出席第17屆ITS世界年會出國報告

壹、前言

以往面對交通問題,多以硬體建設增加供給來解決,但硬體建設投資 成本龐大且曠日廢時,且依據國外的經驗與相關研究,利用硬體建設大量 提供運輸供給,不僅無法有效解決交通問題,反而會衍生更多的運輸需求。 故目前則改以如何將現有交通建設與運輸系統進行最有效的應用,使其發 揮最大效益,提供民眾更具效率、更安全的運輸環境及服務。

因智慧型運輸系統(Intelligent Transportation Systems, ITS)係透過成熟的資訊、通信、電子、控制及管理等技術的應用,適切整合運輸系統中的人、車、路等組成單元,並經由資訊蒐集、處理、發佈與控制策略,提供民眾即時且正確的交通資訊,有效發揮運輸系統的整體效能。因此,各國家均將ITS 列為 21 世紀重要的運輸發展政策。

ITS世界年會(ITS World Congress)係該領域年度盛事,各國之產、官、學、研界可透過年會進行 ITS 策略、規劃及建置等方面之技術與經驗之交流分享,各單位及廠商亦可透過展覽展示其最新研發成果及產品。由於第17 屆 ITS 世界年會係於韓國釜山(Busan)舉辦,而韓國亦為電子產業之重鎮,勢必會利用該產業優勢,提供 ITS 發展之良好環境,故參與本次 ITS 世界年會將可獲得許多 ITS 最新發展資訊,提供我國未來 ITS 發展或建置之參考。

此外,利用此次前往韓國的機會,亦可考察釜山及慶州的交通狀況, 經由實地考察過程,了解目前釜山及慶州的交通設施及大眾運輸的發展狀況,可以其他國家大城市的交通發展經驗,提供我國作為參考。

貳、行程紀要

此次參加 2010 年 10 月 24~31 日於韓國釜山舉辦第 17 屆 ITS 世界年會的成員,本所為運輸資訊組張贊育副組長、綜合技術組朱珮芸研究員及運輸安全組黃明正研究員 3 人參加。因國內有許多機關、學校及公司派員參與此次研討會,且 ITS Taiwan 與經濟部車載資通訊產業推動辦公室(TPO) 共同籌設成立「臺灣館」展覽聯合攤位,故該協會籌劃本屆 ITS 世界大會參訪團,本所人員亦參加該參訪團前往本次年會。

此次參加年會以及考察韓國交通設施共8天行程,其行程內容如下表。

第 1 天	10月24日	前往韓國釜山
第 2~6 天	10月25~29日	1. 參加「第 17 屆 ITS 世界年會」 2. 參加展覽及技術參訪 3. 蒐集資料
第 7 天	10月30日	前往韓國慶州參訪交通設施
第 8 天	10月31日	韓國慶州參訪交通設施,並自韓國釜山返回臺北

年會之會場位於韓國釜山 BEXCO(如圖 1、2),主辦單位依據 BEXCO 問邊飯店位置,設置 5 條接駁車路線,接送與會人士至會場,與會人員可 憑識別證免費乘車。

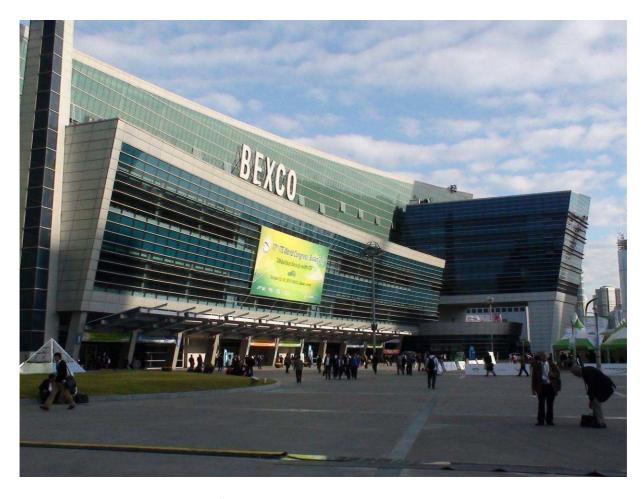


圖 1 第 17 屆 ITS 世界年會會場 Bexco



圖 2 第 17 屆 ITS 世界年會會場入口及註冊報到處

參、第17屆ITS世界年會活動

由於運輸部門所排放之二氧化碳量,佔全球總排放量的28%,因此希望透過發展智慧型運輸系統(Intelligent Transport Systems,簡稱ITS)來面對此一挑戰,提供安全、有效率、低排放之運輸系統。此次於韓國釜山所舉辦5天的17屆ITS世界年會主題,即希望透過提供無所不在(Ubiquity)、透明(Transparency)及可信賴(Trustability)之運輸資訊等3個策略,達成安全(Safe)、便利(Convenient)及綠色移動(Green Mobility)之目標,主題概念如圖3所示。本次年會內容主要可分為研討會(Sessions)、展覽(Exhibition)、技術展示(Showcase)及技術參訪(Technical Visits)4大部分。



圖3 第17屆ITS世界年會主題概念

3.1 研討會(Sessions)

研討會依其主題性質可分為全體會議(Plenary Sessions)、菁英會議 (Executive Sessions)、特別會議(Special Sessions)、科學/技術論文會議 (Scientific/ Technical Paper Sessions)、多媒體互動會議(Media Interactive Sessions)等5類。全體會議於開幕式後於大禮堂進行2個場次會議,由全體與會人員參加;菁英會議則進行12場次討論,由政府、研究機構及全球性企業之高層人員討論目前及未來相關計畫之重點與挑戰;特別會議則就政

府、產業或學術界關注之ITS發展及建置,所推動之特定議題研究或計畫進行討論,共計71個場次;科學/技術論文會議則討論科學及技術方面的進展,共計123個場次;多媒體互動會議則於多媒體大廳透過顯示器播放相關論文簡報,提供對特定議題有興趣人士於現場直接與發表人員交換意見,共計9個場次。開幕式及各類研討會實景如圖4。科學/技術論文會議及多媒體互動會議所發表之論文請參見附錄一,以提供有興趣的同仁查閱。



A. 開幕式



B.科學/技術論文會議



C.全體會議



D.多媒體互動會議

圖4 開幕式及各類研討會實景

3.2 展覽(Exhibition)

在展覽部分,此次共有150個政府單位或民間廠商參與(清單詳如附錄二),在Bexco一樓17,672平方公尺的展覽場,展示他們關於ITS最新的產品、服務、技術與計畫。本次年會在韓國釜山舉辦,因此展覽以韓國政府單位及大企業為主,其他區域及國家之ITS協會,如歐洲、美國、日本、中國及俄羅斯,亦設置相關主題館。此次臺灣亦受主辦單位邀請,由ITS Taiwan與經濟部車載資通訊產業推動辦公室(TPO)共同籌設成立「臺灣館」展覽聯合攤位(如圖5),與中華電信、臺灣世曦、車輛研究測試中心、臺大土木研究所交通組等產、學界展示臺灣在ITS之相關發展及產品。

此次展覽的主題分為5大部分,包括:

- 一、 交通管理服務(Traffic Management Service)
- 二、 交通/用路人資訊服務(Traffic/Traveler Information Service)
- 三、電子收費系統及公共運輸服務(Electronic Fare Payment Service & Public Transportation Service)
- 四、 車輛及公路服務(Vehicle and Highway Service)
- 五、 其它(Other)



圖5 展覽場中的臺灣館

本次展覽另一特色,即有多個單位均透過駕駛模擬器,展示其研發技術或相關產品特色,其功能可運用於研究駕駛人行為、教育訓練、道路設計測試及產品技術展示等多方面,各駕駛模擬器一覽詳如表1。各駕駛模擬器之硬體規格,幾乎都為單人座之小型駕駛模擬器,僅有韓國InnoSimulation公司展出一輛實車駕駛模擬器;在螢幕部分,小型駕駛模擬器皆為前方單一LCD螢幕,更多則為前方3面LCD螢幕組成,僅有InnoSimulation公司之實車駕駛模擬器之前方由4面螢幕組成,車內及車外後視鏡則另安裝LCD螢幕模擬後方道路狀況,本所駕駛模擬器亦有相同的後視鏡功能。此外,已有許多駕駛模擬器可透過6軸油壓動作系統,模擬汽車行駛之加減速感覺,希望提供受測者更逼真的模擬環境,其中許多小型駕駛模擬器之油壓部分結構很小,但無損其模擬功能,而前述InnoSimulation公司之實車駕駛模擬器則於4個輪胎下方加裝薄型固定震動裝置,可使駕駛者於行駛中感受輕微的震動。

表1 展覽場各式駕駛模擬器一覽表

衣1 成見物合式馬歇傑擬品一見衣						
公司或機關	特色	現場照片				
韓國 InnoSimulation 公司	 i-Drive CDS (Compact-type Driving Simulator)小型駕駛模擬器。 模擬場景為3D立體畫面,操作者需配戴3D立體眼鏡。 高效益且多用途之小型駕駛模擬器。 	INNOSIMULATION				
韓國 InnoSimulation 公司	 i-Drive CDS (Compact-type Driving Simulator)小型駕駛模擬器,前方有3個液晶螢幕。 ●具有6軸油壓動作系統。 ●高效益且多用途之小型駕駛模擬器。 	INNOSIMATEDA				
韓國 InnoSimulation 公司	● i-Drive FDS (Full-scale Driving Simulator)實車駕駛模擬器。 ● 前方有4個螢幕,車內及車外後視鏡則另安裝LCD螢幕模擬後方道路狀況。 ● 於4個輪胎下方加裝薄型固定震動裝置,模擬車輛震動情形。 ● 具高臨場感之駕駛模擬	The state of the s				

器。

公司或機關

特色

現場照片

韓國道路安全 局(Road Safety Authority)

- 使用韓國InnoSimulation公司開發之小型駕駛模擬器。
- 用於分析及訓練受測者節 能駕駛方式。
- 前方螢幕畫面隨時顯示目前駕駛行為屬節能或耗能,並於結束畫面顯示能源消耗情形。



韓國道路交通 局Road Traffic Authority

- 小型駕駛模擬器,前方有3 個液晶螢幕。
- 用於研究評估駕駛人之駕 駛行為。
- 測試後系統會顯示受測者 在行駛過程中,是否有超 速或事故等不當駕駛行 為,並評估整體駕駛行為 是否良好。



日本Forum 8 公司

- 小型駕駛模擬器,前方有3 個液晶螢幕。
- 具有6軸油壓動作系統。
- 自行開發模擬場景軟體 UC-win/Road,曾於2002年 獲得經濟產業省頒發的軟 體產品年度大獎,擁有大 量3D模型資料庫。
- 用於駕駛模擬或道路、橋 梁設計模擬測試。



公司或機關	特色	現場照片	
Toyota	小型駕駛模擬器。具有6軸油壓動作系統。用於展示及體驗該公司所開發之車輛偵測技術。	TOYOTA	
Honda	 小型駕駛模擬器,前方有3個液晶螢幕。 具有6軸油壓動作系統。 用於體驗虛擬交通環境場景。 	Cassal Text Demonstration	

在軟體方面,各駕駛模擬器之畫面都可達到相當擬真的模擬場景,行進時畫面亦很流暢,其中InnoSimulation公司之小型駕駛模擬器甚至開發3D立體畫面,操作者配戴3D立體眼鏡後便能看到較具立體畫面的場景。個人在實際操作時,還因工作人員未將3D立體眼鏡功能開啟,致使一開始所看到的畫面如同未配戴3D立體眼鏡般模糊(如圖6)。各模擬器因設計目的不同,故軟體所記錄之內容亦不盡相同。韓國道路交通局之駕駛模擬器係用於研究駕駛人行為,故測試後系統會顯示受測者在行駛過程中,是否有超

速或事故等不當駕駛行為,並評估整體駕駛行為是否良好;韓國道路安全 局之駕駛模擬器則用於分析及訓練受測者節能駕駛方式,前方螢幕畫面隨 時顯示目前駕駛行為屬節能或耗能(如圖7),並於結束畫面顯示能源消耗情 形。

實際試乘及操作展覽場各駕駛模擬器,雖然各駕駛模擬器在畫面、模擬汽車加減速及震動都相當逼真,甚至還有3D立體畫面,惟汽車加減速時常有無法與畫面連結,致使速度過快或過慢,過彎時尤其容易衝出車道,無法如同實際開車時的順暢及掌握行車軌跡,本所之駕駛模擬器亦有類似的問題,可能是目前駕駛模擬器尚待克服的技術課題。



A.操作者配戴3D立體眼鏡



B.未配戴3D立體眼鏡之模糊畫面

圖6 韓國InnoSimulation公司之3D畫面小型駕駛模擬器







B.耗能之駕駛行為畫面(eco為紅色)

圖7 韓國道路安全局之節能駕駛行為駕駛模擬器

3.3 技術展示(Showcase)

此次年會依據安全、便利及綠色移動之目標,透過3個技術展示介紹ITS 之相關應用實例(如圖8所示)。Demo 1為ITS技術應用於手機與網路,Demo 2 為使用者導向之大眾運輸服務,Demo 3則為綠色運具體驗,欲參加之與會 人員需先至櫃台登記預約時間,櫃台會發給一張登記卡,由與會人員依所 列時間至指定地點集合。因Demo 2內容包含捷運系統之盲人導引技術, Demo 3則為搭乘綠能汽車(包括電動汽車或油電混合車)繞會場周邊,故參加 此2 Demo體驗行程,並就相關內容介紹如次。



圖8 年會3個技術展示內容及範圍

一、Demo 2:使用者導向之大眾運輸服務

Demo 2之技術展示主要包含3部分,包括公車候車亭資訊看板、公車內資訊看板及步行輔助系統(如圖9),其中前兩項乘客均可透過遙控器進行操作。一開始參加人員先至解說站集合(如圖10),由解說人員說明本次技術展示之內容及行程,再分組前往不同地點實際體驗,本小組首先至Bexco會場旁的公車候車亭瞭解資訊看板功能。該資訊看板為觸控式螢幕,解說人員示範如何以互動方式查閱公車路線、站牌及目前行駛位置資訊,其站牌位置及目前行駛位置則標示於google地圖,方便乘客查閱(如圖11)。除了大眾運輸資訊外,該資訊看板亦可查詢天氣、新聞、周邊環境等其他相關資訊。由於乘客均可透過遙控器進行操作,該資訊看板便可依據操作者個人化顯示資訊,提供使用者導向之大眾運輸服務。



圖9 Demo 2技術展示內容



圖10 Domo 2行程解說



A.選取公車資訊



B.選擇公車路線



C.於google地圖顯示公車站牌位置



D.示範遙控器使用方式

圖11 Domo 2之公車候車亭資訊看板操作實況

本小組第2站又回到解說站,示範公車內資訊看板相關功能(如圖12)。該看板亦為觸控式螢幕,但面積較公車候車亭資訊看板為小,主要提供乘客查詢公車路線相關資訊查詢,亦可查詢電視新聞、天氣、股市、匯率等其他資訊。乘客亦可透過遙控器進行操作,個人化顯示資訊,最多可容納3名查詢者。若乘客超過10秒無操作動作,看板便會將該使用者自螢幕移除。



A.公車內資訊看板全貌



B.資訊看板左側為公車路線資訊



C.資訊看板左側為其他資訊(如電視新聞、天氣、股市、匯率等)



D.右側顯示有3位使用者(Beta、Nu、Sigma) 以遙控器操作資訊看板

圖12 Domo 2之公車內資訊看板操作實況

因Bexco會場旁為捷運2號線(綠線)之Centum City站,第3站便至該捷運站示範無線射頻識別技術(Radio Frequency Identification,RFID)步行輔助系統(如圖13)。該系統於地面導盲磚鋪設連續的RFID標籤,盲人則手持前端裝設RFID接收器之手杖,透過讀取地面RFID標籤方式,由手杖發出語音導引盲人進入捷運入口匝門;若盲人行走路線離開鋪設RFID標籤的導盲磚或行走方向相反,手杖亦會以語音提示盲人回到正確路線行走。不過由現場設備佈設的情形可發現,本系統僅為本次展示臨時設置,並非已大量建置

之系統,且示範過程中亦發生訊號接收不佳,而由技術人員花了一些時間進行故障排除。同行的鼎漢公司副理亦表示,該公司已於3、4年前進行類似該系統之原型機開發,故相關技術及概念較缺乏獨創性。



A.地面導盲磚鋪設RFID標籤



B.天花板裝設訊號接收器



C.調校RFID接收器



D.示範透過輔助系統進入捷運匝門

圖13 RFID步行輔助系統實地示範

二、Demo 3:綠色運具體驗

此次年會由廠商提供4種綠色運具給與會人員試乘,體驗綠色運具實際

乘坐感覺,包括3輛電動車及1輛油電混合車,4輛車之型號、廠牌及規格詳如表2所示。4輛車陳列於Bexco會場的廣場,除可檢視相關配備及規格外,亦可於展示時間內預約試乘,每10分鐘一梯次。試乘路線為環繞Bexco會場周邊道路,長度約2~3公里,行程則約8~9分鐘,可及時回到出發之廣場搭載下一位乘客。

表2 4種試乘綠色運具一覽表

車種

型號/廠牌及規格



- BlueOn /Hyundai Motor Company
- 高速電動車(最高速度:130km/h)
- 5人座



- Change /AD Motors CO., LTD.
- 低速電動車(最高速度:60km/h)
- 2人座



- e-Zone /CT&T CO.. LTD.
- 低速電動車(最高速度:60km/h)
- 2人座

車種



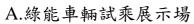
型號/廠牌及規格

- Insight /Honda Motor CO., LTD.
- 油電混合車(最大燃油效率:23km/ 公升)
- 5人座

本次選擇CT&T CO., LTD.製造的e-Zone2人座低速電動車進行試乘(如圖14),由該公司工作人員駕駛及解說。該工作人員因曾至大陸南京攻讀大學,故可以中文直接溝通。試乘過程感覺良好,除了加減速及行駛穩定度好之外,噪音部分也有電動車安靜的特色。解說人員提到e-Zone雖為低速電動車,但其最高時速可達80km,因法令規定低速電動車最高時速不得超過60km,且低速電動車僅能於一般道路行駛,不得行駛高速公路。

在電池續航力部分,解說人員表示此電動車充電一次可應付一天20次 試乘的需求,因此充電一次之續航力約為50km上下。此外,解說人員表示 該公司(CT&T CO., LTD.)另有一款高速電動車,最高時速可達120km,但因 電池及成本等考量,目前尚未上市銷售。







B.試乘低速電動車e-Zone外觀



C.試乘行駛周邊道路情況



D.試乘行駛周邊道路情況

圖14 Domo 3之綠能車輛e-Zone試乘實況

3.4 技術參訪(Technical Visits)

科技參訪共有7個地點,分別為釜山運輸資訊中心(Transportation Information Center, TIC)、釜山至巨濟(Geoje)之連絡道路工程、Hanjin 新港、雷諾三星汽車釜山工廠、WAVE通訊服務示範、釜山捷運4號線、蔚山(Ulsan)交通管理中心(Traffic Management Center, TMC)。因考量參加年會

相關研討會及活動安排,經篩選後選擇參加行程1釜山運輸資訊中心 (Transportation Information Center, TIC)及行程2釜山至巨濟之連絡道路工程。以下分就參訪情況摘錄於後:

一、釜山運輸資訊中心(Transportation Information Center, TIC)

在介紹釜山運輸資訊中心前,首先需瞭解釜山相關資料。釜山位於韓國南部,人口共360萬人,總面積則為766平方公里。截至2010年9月,其登記車輛總數約為114萬輛,其中以小客車約88萬輛為最多。依據2009年12月統計數據,釜山每天約有670萬旅次,其中小客車佔29.9%,公車、捷運及計程車各佔27.3%、13.9%及13.8%。在大眾運輸方面,釜山共有3條捷運線,共計95.8公里長及94個車站;公車則有132條路線及2,532輛公車,另接駁車有140條路線及571輛公車;計程車則有25,065輛,其中11,083輛為公司所有,個人則有13,982輛。

釜山運輸資訊中心為4層樓建物(如圖15),並於2010年4月完工啟用,共有18名員工。該中心功能為蒐集及分析資訊、即時資訊服務、監控交通狀況、交通突發事件及壅塞警示、交通資訊設施維護等,並整合市區道路、大眾運輸、高速公路等8個機構之交通資訊(如圖16)。中心設備除了交通資訊蒐集系統、公車資訊管理系統、CCTV/VMS管理系統、網站/手機系統,還包括215公里長之ITS獨立網路。



圖15 釜山運輸資訊中心



圖16 釜山運輸資訊中心整合8個機構之交通資訊

中心之監控室(situation room)面積有357平方公尺,監控主螢幕由5 x 10 個67吋DLP螢幕所組成,下方則另有10個40吋液晶螢幕(如圖17)。其主要功

能包括監控交通狀況、發生事故或交通壅塞時發送警告資訊及交通資訊服務。中心相關ITS設施詳如表3。

表3 釜山運輸資訊中心之ITS設備數量一覽表

通訊網路	216.47km	可變資訊標誌	91座
無線通訊設備(RSE)	200個	公車站資訊看板	506座
交通資訊偵測(DSRC)	49個	捷運停車導引	10座
CCTV	150個	自行車(U-bicycle)租借站	15個



A.監控室螢幕



B.監控室螢幕



C.監控室操作台



D.監控室操作台

圖17 釜山運輸資訊中心監控室

該中心透過CCTV、DSRC、公車車機及探偵車蒐集相關交通資訊,並透過公共設施(如交通資訊站)、路側發布設施(如可變資訊標誌、公車資訊站)及家戶或個人設施(如有線電視、網路電視、網路、手機、Call center及ARS(自動回覆系統))發布或提供相關交通資訊,讓用路人能隨時透過相關設備掌握交通狀況 (如圖18)。



圖18 釜山運輸資訊中心運作關係圖

該中心為減少民眾使用汽車次數,藉以降低汽車排放量,推動「汽車牌照配給計畫(License plate rationing plan)」,參加計畫之汽車依據其每星期不使用汽車之天數,以不同顏色標籤識別(如圖19),並給予相關規費折扣,最多可減少10%汽車稅及50%公共停車場之停車費。如果所有67萬輛汽車中

有20萬輛參加該計畫,預估每年可減少1114億韓園(約新臺幣33.7億)之汽車使用成本、11萬噸溫室氣體及72億韓園(約新臺幣2.2億)之環境污染成本(如圖19B);惟該計畫實施時間不久,目前尚無法看到實際的成效。該中心另推動自行車自動租借系統(U-bicycle),民眾可至租借站租借及歸還自行車(如圖20)。





A.不同顏色標籤

B.推動計畫預估效益

圖19 釜山推動「汽車牌照配給計畫(License plate rationing plan)」



A.自行車自動租用站



B.點選租用站螢幕



C.借用自行車

圖20 釜山之自行車自動租借系統(U-bicycle)

據參訪行程7蔚山(Ulsan)交通管理中心之人員轉述,釜山運輸資訊中心不若蔚山交通管理中心可進行交通控制作業,目前僅能蒐集及發布相關交通資訊,且因其成立僅約半年,各單位之間的協調作業仍處於磨合期。

二、釜山至巨濟之連絡道路工程

該連絡道路為4線道公路,連接釜山Gadeok島及位於慶尚南道(South Gyeongsang Province)之巨濟市,全長8.2公里,包含南端4.5公里斜張橋路段及北端3.7公里之18段沉箱隧道路段,南端斜張橋路段又分別由2座及3座斜張橋路段所組成(如圖21、22)。其總造價高達18億美金,由韓國最大營建廠大宇公司承建。完工後,兩地車程時間將由3.5小時縮短為40分鐘。

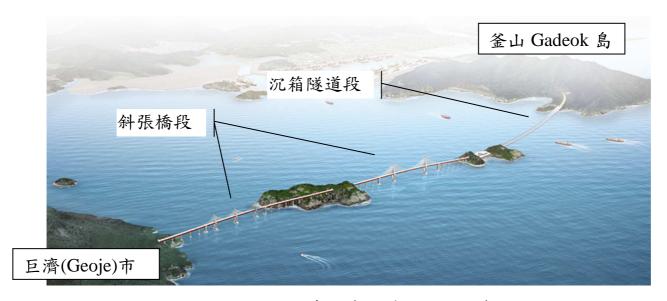


圖21 釜山至巨濟之連絡道路工程路線圖

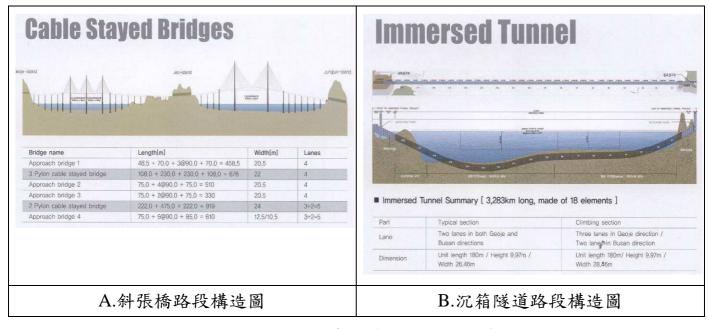
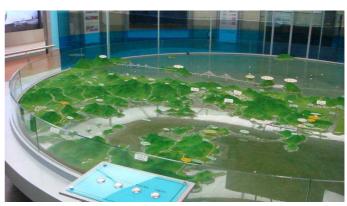


圖22 釜山至巨濟之連絡道路之結構圖

本次參訪先至工程展示中心(如圖23),由解說人員說明整體計畫內容及相關工法,再開車前往其交通控制中心聽取簡報(如圖24)。由於該道路系統包含斜張橋及隧道,因此對於相關交通順暢及安全之要求較高,其交通控制將涉及車道控制系統(Lane Control System)、快速警告系統(Quick Warning System)、速度控制系統(Speed Control System)及事件偵測系統(Incident Detection System)等議題。



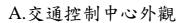


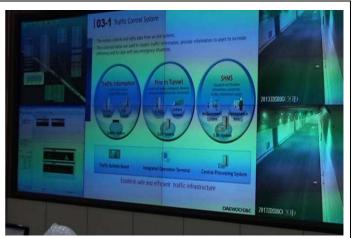
A.工程展示中心外觀

B.工程模型

圖23 參訪釜山至巨濟之連絡道路之工程展示中心







B.簡報內容

圖24 參訪釜山至巨濟之連絡道路之交通控制中心

該交通控制系統包括交通管理、火災監控及橋梁結構監控3大部分。交通管理經由路側系統(如影像、迴圈及路段偵測器)蒐集相關交通資訊,再提供交通維護中心,經過數據蒐集與監視控制系統(Supervisory Control And Data Acquisition,SCADA)分析及研判,其結果除提供系統管理者參考外,亦透過相關訊息發布設施(如VMS、網頁及廣播)將資訊傳達給用路人;火災監控則透過偵測設備(如火災及濃煙偵測器、緊急電話、事件偵測系統),蒐集火災相關徵兆,再提供交通維護中心分析及研判,其結果除提供系統管理者參考外,亦透過聯絡系統通知相關單位,包括警察單位、消防單位、迴護管理單位及用路人;橋梁結構監控則透過結構安全監控系統(Structural Health Monitoring System,SHMS),包括橋梁維護系統、天氣預報系統及設備偵測蒐集相關監控數據,再提供交通維護中心分析及研判,其結果除提供系統管理者參考外,亦通知相關系統(如維護者、用路人)。

由於該工程預計2010年11月底完成,因此10月27日下午參訪時,該連絡道路仍在進行相關工程施作,故尚無法參觀該交通控制系統運作情況,僅能參觀部分路段及斜張橋施工情形(如圖25)。據網路新聞報導,該連絡道路將於2010年12月14日開放通車。



圖25 參訪釜山至巨濟之連絡道路之實際施工情形

肆、釜山及慶州的交通狀況考察

韓國汽車駕駛座的位置靠左,並靠右行駛,皆與我國的開車方向相同。 以下就此次考察釜山及慶州的交通設施所見及心得,分成「車輛」、「道路 及相關設施」、「大眾運輸」3部分介紹,最後則是小結。

4.1 車輛

1. 機車及自行車

在韓國釜山及慶州所看到的機車數量不多,據詢問導遊得知,除了韓國當地氣候較為寒冷,不適合騎乘機車外,主要係因為韓國人較重視「衣」,也就是外在的形象,故其較會選擇購買汽車以提升自我外在形象,所以機車數量相對非常稀少(如圖26)。

自行車數量亦如機車相對較少,釜山的道路上亦較少看到其專用車 道等設施,慶州則因其為觀光勝地,遊客亦常租借自行車騎乘,故自行 車道之設施相對較多(如圖27)。





圖26 韓國機車





A.自行車專用道

B.行人及自行車專用道

圖27 韓國慶州之自行車道路設施

2. 車牌

依據對於韓國車牌的觀察,其自用車之車牌顏色則新舊車牌有所不同。舊式的車牌為綠底白字,新式的車牌則為白底黑字,且新式車牌高度及寬度會隨牌照固定螺絲位置而增加。在牌照編碼部分,舊式的車牌有2行編碼,第1行為2碼數字加上1個韓文,第2行為4碼數字;新式的車牌則只有1行,以「2碼數字+1個韓文+4碼數字」方式編碼。圖28最左邊車輛為舊式車牌,右側2輛車則為新式車牌。

營業車輛(如計程車、公車、遊覽車等)之車牌顏色則為黃底,字體則有藍色及黑色,可能亦與新舊車牌有關。在車牌編碼部分,大客車車牌編碼為2行,第1行為2個韓文加上2碼數字,第2行為1碼韓文加上4碼數字;計程車車牌編碼則為1行,以「1個韓文+2碼數字+1個韓文+4碼數字」方式編碼,較自用車多出最前面1個韓文(如圖29)。



圖28 韓國自用車之車牌樣式



圖29 韓國營業車之車牌樣式

3. 停車

韓國釜山之一般道路很少劃設路邊停車位,且路邊幾乎都劃設黃線禁止停車,大多數路段皆無車輛違規停車,僅在市區較熱鬧路段看到車

輛於黃線禁停路段停車。路邊停車位大多為公車停靠或計程車停靠之停車空間,僅有部分路段(如釜山光復街)看到路邊停車格位(如圖30)。路邊除了劃設黃線禁止停車外,有時也會看到禁止停車標誌及拖吊車之警示(如圖31)。

除了一般停車外,亦有身心障礙或自行車等專用停車位,其身心障 礙專用符碼與我國相同(如圖32),自行車符碼亦容易辨識得知其代表意義 (如圖33)。



A.一般道路路邊劃設黃線禁止停車



B.釜山光復街之路邊停車格位



C. 慶州之計程車停等格位



D.計程車招呼站(右)及禁停標誌(左)

圖30 韓國之路邊停車樣態





A.豎立式禁止停車標誌

B.懸掛式禁止停車標誌

圖31 韓國之禁止停車標誌及拖吊車之警示



A.身心障礙專用停車位



B.身心障礙專用停車位標誌

圖32 韓國之身心障礙專用停車位





A.自行車專用停車位

B.自行車專用停車位標誌

圖33 韓國之自行車專用停車位

4.2 道路交通設施

1. 公車專用道

在韓國釜山許多市區路段設有公車專用道,專用車道多佈設於最外側的車道,相關路段會以標誌及標線標示專用道的範圍(如圖34)。標誌為長方型藍底白圖案,並以白箭頭標示專用車道所在位置,另以白底黑字之附牌標示雙語之公車專用道訊息及專用時段;標線則為藍色之車道線(虛線),並於專用車道上標繪專用標字及時段。惟在交通尖峰時,會看到部分車輛違規停車占用最外側之公車專用道。



A.公車專用道標誌(兩側車道)



B.公車專用道標誌(下方車道)



C.韓國之公車專用道(道路最外側車道)

圖34 韓國之公車專用道佈設方式

2. 標誌

韓國的標誌在禁制標誌(例如禁止停車、速限等),其外觀大致與我國相同,但最低速限則於速限標誌之數字下方加上底線,與我國改以藍底

白數字之方式不同;警告標誌形狀與我國相同皆為三角型,但其底色則為黃色,但亦看到少數白底之警告標誌,另對於人行道、兒童穿越及自行車穿越等,其警告標誌則為類似三角形之藍底白圖案標誌(如圖35)。惟其對於進入學校附近道路會加強警示,將藍底之兒童穿越警告標誌嵌入黃底大方框中,加強提示駕駛人注意學童安全,離開學校附近道路時則於警告標誌加上5條黑色斜線,解除上游兒童穿越警告標誌之警示(如圖36)。



A.禁制標誌



B.高速公路最高(左)及最低(右)速限標誌



C.不同底色之警告標誌



D.黄底之注意兒童警告標誌

圖35 韓國之禁制及警告標誌





A.進入學校附近道路之警告標誌

B.離開學校附近道路之結束警告標誌

圖36 韓國之進入及離開學校附近道路之警告標誌

在指示標誌部分,一般道路之指示標誌為藍底白字,其預告標誌多以圖形化標示,到了路口行動點再改以分離式文字化標誌,路型複雜者則仍以圖形化標誌標示,其路線編號則均標示於箭身。其圖形化方式類似我國圖形化標誌,惟其各方向通往之地名係標示於箭頭前,故其箭身較短以容納標示地名之空間。韓國之觀光標誌則為棕底白字,指示對象不僅有觀光地區,還包含機場、渡口及車站等運輸場站,有時亦會標示其代表符碼圖案。觀光標誌較少單獨設置,大多以嵌入一般指示標誌方式標示。相關指示標誌如圖37。

除了嵌入觀光標誌外,一般道路指示標誌亦會嵌入綠底之高速公路 指示資訊,有時則會與禁制標誌結合標示(如圖38)。雖然韓國之一般道路 指示標誌變化程度較我國多,惟設置有時未注意是否遭到上游其它標誌 或號誌遮蔽,或是設置過多標誌而影響市容景觀(如圖39)。

韓國在指示標誌多以韓文及英文標示雙語資訊,英文可標示於韓文 下方或右側,惟對於運輸場站及觀光地區則會加上中文,形成標示3語之 特殊現象。



A.一般道路之指示標誌(預告)



B.一般道路之指示標誌(行動)



C.觀光標誌嵌入一般指示標誌(預告)



D.觀光標誌嵌入一般指示標誌(行動)



E.特殊路型之圖形化標誌



F.嵌入觀光及高速公路之圖形化標誌

圖 37 一般道路之指示標誌樣態



A.禁止右轉標誌與指示標誌結合



B.共線之路線編號(2與77)標示方式

圖38 一般道路指示標誌之特殊標示方式



A.指示標誌遭其它標誌或號誌遮蔽



B.設置標誌過多影響市容景觀

圖39 不佳的道路標誌設置情形

韓國之高速公路指示標誌顏色為綠底白字,在交流道出口前原則會 於距出口2公里處開始設置3道出口預告標誌及1道出口標誌,部分交流道 則會於中間再加數道出口預告標誌(如圖40)。其標示內容係橫向方式排 列,包括出口銜接道路編號、地名、右箭頭等,箭頭下方則標示該出口 預告標誌至出口之距離,地名之英譯則標示於韓文右側。出口預告標誌 右上方另標示該交流道名稱,包含左側黑底白字之交流道序列編號,部 分簡化之牌面則會省略英譯及交流道名稱。

除了出口預告標誌外,高速公路主線亦會設置地名里程標誌,其中可能因部分高速公路納入亞洲公路系統中,還會標示其亞洲公路系統之編號,其編號樣式同我國之縣道標誌,為長方形白底黑框黑數字(如圖41)。在進入收費站前,因其設有電子收費車道,故會以藍底白字之電子收費標誌指示車道所在。

韓國之高速公路相關標誌,除了里程牌等小型標誌設置於路側,其它均以懸臂或門架方式設置,並未看到我國於路外邊坡以豎立式方式設置相關標誌。



圖40 韓國高速公路之出口預告標誌



圖41 韓國高速公路之其它指示標誌

韓國高速公路除了相關指示標誌外,還有1項特殊的設施,即於路側設置客運站供乘客上下車(如圖42)。在客運站200公尺前會先以藍底白字的標誌指示,接近時則於主線車道外加設1車道供大客車進入客運站,分流處設置防撞設施、護欄及分流標誌導引及防護車輛,右側則設置交通桿及護欄導引,兩側護欄中間則設置類似警車之紅藍警示燈,而乘客似乎由客運站旁之出入口進出。



A.高速公路客運站上游指引標誌



B.高速公路客運站車道入口處



C.高速公路客運站

圖42 高速公路客運站相關交通設施

除了前述相關標誌,韓國有時會以特殊圖形化標誌處理複雜路口指引,或以可變資訊標誌(CMS)顯示前方道路之順暢程度。在彎道的警示導引部分,除了設置與我國相同之安全方向導引標誌「輔2」黃底黑箭型標誌外,還於每面標誌上加設俗稱九孔之第三類危險標記,並間隔設置危險警告標誌及方形箭頭燈號(如圖43)。雖然顯示對於彎道的警示相當重視,但設置之設施似乎過多且功能重複。



A.特殊複雜路口之指示標誌(橋下左轉)



B.特殊複雜路口之指示標誌(左右道路將匯流)



C.可變資訊標誌(CMS)顯示道路順暢程度



D. 彎道的警示導引設施

圖43 韓國其它特殊標誌及設施

3. 標線

韓國標線大致與我國相同(如圖44),其中車道線及路面邊線與我國相同,惟市區車道寬度較窄,約僅有3公尺寬,往往可因此多劃1-2個車道,但相對大型車行駛時之兩側淨寬較小;分向線則為雙黃實線或單黃實線,到路口時則以白虛線連接直行或轉彎後之分向線;公車專用車道則以藍色車道線區隔。

據觀察韓國有數種標線與我國差異較大,第1是路口行穿線雖同為枕木紋,但部分行穿線分左右兩側將實、虛部分交錯,且入口處還劃設箭頭指引行人靠右行走;第2是對於禁止轉向或進入雖有相關禁制標誌,但亦會設置相關禁制標線,其作法為指向線之箭身加繪「X」表示禁止轉向或進入;第3是地面標字大多為白色,未見黃色標字,且有多個車道同時標繪相關標字(如速限)時,有時不會標繪於道路同一斷面,而是由右向左車道逐漸將標字往前標繪。相關標線如圖45。



圖44 由高空鳥瞰韓國路口相關標線之樣式及繪設方式



A.行穿線之左右兩側交錯及劃設箭頭



B.禁止右轉標線



C.禁止進入標線



D.地面標字由右自左向前繪設

圖45 韓國與我國差異較大之標線

4. 號誌

路口行車管制號誌之燈面樣式與我國相同,但無紅燈倒數之功能, 且設置方式有所不同,大多以懸臂的方式設於路口遠端,且車道數較多 之路口還於遠端設置兩組號誌,但不具車道管制號誌功能,又另於對向 車道之懸臂桿設置一近端號誌。至於為何以此方式設置近、遠端號誌, 經詢問導遊及年會展覽會場相關人員,均因習以為常,而不知為何如此 設置。至於行人專用號誌部分,其型式大致與我國相似,但僅有少數行 人專用號誌設有倒數計時功能。路口行車管制號誌及行人專用號誌樣式 如圖46。



圖46 韓國之路口行車號誌及行人號誌樣式

4.3 捷運(Metro)

韓國釜山捷運如前述共有3條捷運線,1號為紅線、2號為綠線、3號為棕線,共計95.8公里長及94個車站。車站入口設有捷運圓形識別標示,進入車站後設有售票機等相關設備。售票機可選擇韓、英、中、日4種語言顯示,惟中文係簡體字,乘客可購買單程票或以使用儲值票乘車。因市政府優待老人免費搭乘捷運,故老人可至敬老車票售票機取票,但不清楚購票機以何種方式識別取票者是否合乎資格。售票機旁亦設有防毒面具置放櫃,可提供地下車站發生火災或毒氣攻擊時使用。由於不同乘車方向之入口不同,故入口會指引該方向之終點站及重要站名,站名則以韓、英、中三語標示,乘客則以單程票或儲值卡通過入口旋轉匝門。捷運車站入口相關設施如圖47。



A.捷運車站入口



B.購票機等相關設備



C.購票機可選擇韓、英、中、日4種語言



D.月台入口及相關指引



E.防毒面具置放櫃



F.捷運入口旋轉匝門

圖47 韓國釜山捷運車站入口相關設施

進入月台後,相關指引標示及設施均配合該路線之代表色來標示顏 色,例如2號為綠線,相關指標或護欄會以綠帶強調所在路線。月台亦如同 入口處設置捷運行車方向及重要站名指引,而月台與軌道邊則以矮護欄避 免乘客摔落軌道(如圖48)。進入列車後,車廂兩側之列車門上方分別標示捷 運整體路網及該捷運路線之各站與轉運資訊,其中各站除站名外還有編 號,而兩端之LED顯示器則會顯示各站資訊及列車門由何側開啟,以利乘 客下車。列車之博愛座設置於頭尾兩端,與臺北捷運設置於列車門旁不同, 博愛座上方氣窗處則以圖案標示老殘及孕婦可使用博愛座;列車到站後, 月台層於列車門開啟對應之牆面設置本站站名及兩方向之重要站名(如圖 49)。

捷運車站亦在部分車站設置地下街,例如1號線及2號線交會的西面站 及設有地下街,因其鄰接樂天百貨及樂天飯店,還於臨接通道處配合造景, 使地下街與百貨公司及飯店周遭景物融為一體,相當有質感(如圖50)。



A.月台指引標示



B.月台旁護欄

圖48 韓國釜山捷運月台層設施



A.整體捷運路網圖



B.單一路線各站及轉運資訊



C.列車博愛座適用對象圖案



D.列車門開啟之月台層站名及方向資訊

圖49 韓國釜山捷運之列車相關資訊



A.捷運西面站地下街



B.捷運西面站地下街連接樂天百貨處

圖50 韓國釜山捷運之西面站地下街

伍、心得與建議

5.1 心得

此次前往韓國參加在釜山舉辦的第17屆ITS世界年會,並順道考察釜山及慶州當地交通狀況,除了在年會中蒐集許多ITS最新資訊,瞭解各國及產業界為達成「安全」、「便利」及「綠色移動」之目標所做的努力,並透過參觀展覽內容及參加技術展示與技術參訪之體驗,獲得許多寶貴資訊與經驗。綜整此次出國心得如次:

- 一、本次年會提供各國對於ITS經驗及技術之良好交流平台,相關論文 發表篇數超過1,000篇,顯示各國及各界均投入許多研發及建置之 資源,才能獲得如此豐碩的成果。參加人員亦可透過此平台,快 速瞭解世界各地之ITS發展情形與經驗,並獲得相關資訊,作為後 續推動ITS計畫之參考。
- 二、經由年會之技術展示及技術參訪體驗,以及實地考察韓國釜山及 慶州當地交通設施,瞭解韓國已將ITS各項技術逐漸融入民眾「行」 的方面,並提供ITS各項便利的服務。用路人可透過交通資訊站等 公共設施、CMS等路側發布設施及網路或手機等家戶或個人設 施,獲得相關交通資訊,讓用路人能隨時透過相關設備掌握交通 狀況。
- 三、韓國之道路交通設施雖然大致與我國相同,但仍有些不同樣式或 應用方式,例如特殊的標誌、標線或交通設施,可提供我國進行 相關道路交通設施之建置或改善時,不同思考方向及參考素材。

5.2 建議

以下歸納3點建議供參考。

- 一、本次年會在研討會部分,有許多安全與節能方面觀念、技術與經驗之論文發表,雖然無法參與每一場論文研討,但透過大會提供之CD資料,可查閱各論文之詳細內容,提供本所未來相關研究之參考與應用。
- 二、本所對於駕駛模擬器已有多年的發展經驗與成果,此次透過年會展覽內容,易對於其他國家或公司發展駕駛模擬器之技術與現況有更深刻的體驗與認識。藉由此次觀摩與學習,可將所蒐集之資料提供本所未來持續發展與改善駕駛模擬器之參考,使駕駛模擬器提供更擬真的駕駛模擬情境,作為本所及各單位進行相關研究之實驗平台。
- 三、韓國在指示標誌部分,依據道路層級將底色區分為藍底及綠底, 且一般道路多以圖形化標示,並將觀光標誌及高速公路資訊嵌入 同一牌面,甚至會與禁制標誌結合標示,標示路口禁止轉向之訊 息,提供用路人更直覺、更便利的行車資訊。故未來可參考韓國 指示標誌之設計方式,檢視我國指示標誌之牌面設計是否有再提 升行車資訊指引之空間。

附錄1、研討會發表論文清單

	胃發衣調又用中
場次名稱	論文題目
SP01_ Intelligent Vehicle	Panoramic Vision System for an Intelligent Vehicle Using a Laser Sensor and Cameras
Safety: Advanced Driver	Pedestrian Detection Using Local Pedestrian Classifiers
Assistance Systems (I)	Real-time Recognition of Blue Traffic Signs from Blue Sky Background
	Towards 3D Automotive LIDAR Processing - How to Deal with Vehicle Dynamics
	The Analysis of Potential Cost Saving for Large Trucks with Rearview Video System (RVS)
SP02_ Traveller Information	Connected Traveler - Toward the Field Testing of a Mobile Multi-modal Traveler InformationSystem
Services	Freeway Dynamic Message Sign Evaluation Using Bluetooth Sensors: A Case Study
	Development of a Hybrid Model for Freeway Incident Duration: A Case Study in Maryland
	Empirical Analysis and Modeling of Drivers' Response to Variable Message Signs in Shanghai
	Development of User Satisfaction Models for Traffic Information Devices
SP03_ Simulation & Planning	Traffic Modeling within the Interactive Spatial Planning Tool Urban Strategy
	Smart Transportation System to Support the Freight Transportation Related Information
	Simulation of Mixed Traffic Using Embedded Neural Network Based Vehicle Following Models
	Railway Safety Development in Thailand : An Initiative Concept
SP04_ Traffic Control &	Estimation of Non-recurrent Traffic Congestion Caused by Precipitation Using Archived Weather and ITS Traffic Data
Congestion Management (I)	A Novel Approach of Dynamic Time Warping for Traffic Congestion Detection and Shortterm Prediction
	Examining the Effect of Connecting Auxiliary Lanes on Mitigation of Expressway Traffic Congestion
	Travel Times, Congestion Levels, and Delays at Intersections Calculated on the Basis of Floating Car Data
SP05_ Intelligent Vehicle Safety	
and Electronics	Evaluation of the Applicability of High-speed Camera Data to Full-scale Vehicle Crash Tests
	Wireless Black Box for Real Time Accidental Monitoring of Vehicle
	SAFERIDER HMI Strategies for Motorcycles' ARAS and OBIS
SP06_ Green Mobility	Sustainability Verification of Eco-driving Behavior Based on Driving Simulator Experiments
	A Methodology for Quantification of Fuel Reduction Potential for Different Driving
	User Needs in Green ITS: The Results of a Questionnaire Survey on Dutch and Japanese Drivers
SP07_Vehicle-infrastructure	Accuracy Assessment for Traffic Information Derived from Floating Phone Data
Cooperation (I)	An Empirical Study of Inter-vehicle Communication Performance Using NS-2
(-)	How to Study the Variability of the Impact of Intelligent Speed Adaptation (The French LAVIA Project) among Drivers: A
	Data Mining Approach
	Directions for Next Generation Microscopic Traffic Simulation Modeling Tool under the IntelliDrive Environment
SP08_ Intelligent Demand	Utilizing Taxi Empty Cruise Time to Solve the Short Distance Trip Problem
Management	City Planning with Using the Adjusted On-demand Bus Log Data
Training errorr	Multi-tier Multi-hop Routing in Large-scale Wireless Sensor Networks for Freight-train Monitoring
	An Efficient Implementation of Origin-Destination Demand Adjustment Problem Using Column Generation
SP09_ Policy & Planning	A New Traffic Counting Program for Intercity Roads Based on Integer Linear Optimization
or or a rone, con mining	Impact of Green House Gas Tax on Reducing Green House Gas Emission: A Case Study in Metropolitan Area of Seoul,
	Korea
	Access to Transportation's Data Cloud
	Proposition of Solutions with Low-cost and Fast Profits to the Continental Gateway and Trade Corridor Quebec-Ontario
	(CGTCQO): a Benefit-Cost Analysis and a National Planning Methodology
	Building Value in ITS Services
SP10_ Traffic Control &	Combination Method and Multiple Interval Freeway Volume Forecasting
Congestion Management (II)	An Optimal Control Model for Traffic Corridor Management
	Data Fusion Concept to Estimate Vehicle Trajectories on Urban Arterials
	IHIGHWAY NEIWORK ANALYSIS AND Defection Assessment Framework
	Highway Network Analysis and Detection Assessment Framework Identifying Promising Segments for Safety Improvement through Speed Management
	Identifying Promising Segments for Safety Improvement through Speed Management
SP11 Traveller Information:	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior
SP11_ Traveller Information: Forecasting and Information	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement
Forecasting and Information	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction
	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution
Forecasting and Information	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors
Forecasting and Information	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results
Forecasting and Information	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition
Forecasting and Information Service	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis
Forecasting and Information	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis Rule-based Information Extraction from Long Distance Travel Data
Forecasting and Information Service	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis Rule-based Information Extraction from Long Distance Travel Data Improvement of Microscopic Traffic Simulation with Driver's Parameter Variation Using Travel Time Estimation
Forecasting and Information Service	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis Rule-based Information Extraction from Long Distance Travel Data Improvement of Microscopic Traffic Simulation with Driver's Parameter Variation Using Travel Time Estimation Microscopic Freeway Traffic Simulation Model Calibration Using Latin Hypercube Experimental Design Approach
Forecasting and Information Service	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis Rule-based Information Extraction from Long Distance Travel Data Improvement of Microscopic Traffic Simulation with Driver's Parameter Variation Using Travel Time Estimation Microscopic Freeway Traffic Simulation Model Calibration Using Latin Hypercube Experimental Design Approach Development of Dynamic Multi-Interval Traffic Volume Prediction Based on System Approach Using Historical and
Forecasting and Information Service	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis Rule-based Information Extraction from Long Distance Travel Data Improvement of Microscopic Traffic Simulation with Driver's Parameter Variation Using Travel Time Estimation Microscopic Freeway Traffic Simulation Model Calibration Using Latin Hypercube Experimental Design Approach Development of Dynamic Multi-Interval Traffic Volume Prediction Based on System Approach Using Historical and Real-time Data
Forecasting and Information Service	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis Rule-based Information Extraction from Long Distance Travel Data Improvement of Microscopic Traffic Simulation with Driver's Parameter Variation Using Travel Time Estimation Microscopic Freeway Traffic Simulation Model Calibration Using Latin Hypercube Experimental Design Approach Development of Dynamic Multi-Interval Traffic Volume Prediction Based on System Approach Using Historical and Real-time Data Development of SIDRA-TRIP Integrated GPS Model to Evaluate Fuel Consumption/Emission on Expressway and
Forecasting and Information Service	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis Rule-based Information Extraction from Long Distance Travel Data Improvement of Microscopic Traffic Simulation with Driver's Parameter Variation Using Travel Time Estimation Microscopic Freeway Traffic Simulation Model Calibration Using Latin Hypercube Experimental Design Approach Development of Dynamic Multi-Interval Traffic Volume Prediction Based on System Approach Using Historical and Real-time Data Development of SIDRA-TRIP Integrated GPS Model to Evaluate Fuel Consumption/Emission on Expressway and Alternative Road
Forecasting and Information Service	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis Rule-based Information Extraction from Long Distance Travel Data Improvement of Microscopic Traffic Simulation with Driver's Parameter Variation Using Travel Time Estimation Microscopic Freeway Traffic Simulation Model Calibration Using Latin Hypercube Experimental Design Approach Development of Dynamic Multi-Interval Traffic Volume Prediction Based on System Approach Using Historical and Real-time Data Development of SIDRA-TRIP Integrated GPS Model to Evaluate Fuel Consumption/Emission on Expressway and Alternative Road A Statistical Method for Assessing the Periodicity of Traffic Flow Time Series
Forecasting and Information Service SP12_ Modeling and Simulation	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis Rule-based Information Extraction from Long Distance Travel Data Improvement of Microscopic Traffic Simulation with Driver's Parameter Variation Using Travel Time Estimation Microscopic Freeway Traffic Simulation Model Calibration Using Latin Hypercube Experimental Design Approach Development of Dynamic Multi-Interval Traffic Volume Prediction Based on System Approach Using Historical and Real-time Data Development of SIDRA-TRIP Integrated GPS Model to Evaluate Fuel Consumption/Emission on Expressway and Alternative Road A Statistical Method for Assessing the Periodicity of Traffic Flow Time Series Introduction to Modeling Experimental Design When Operating SCATS within Simulation
Forecasting and Information Service SP12_ Modeling and Simulation SP16_ Intelligent Vehicle	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis Rule-based Information Extraction from Long Distance Travel Data Improvement of Microscopic Traffic Simulation with Driver's Parameter Variation Using Travel Time Estimation Microscopic Freeway Traffic Simulation Model Calibration Using Latin Hypercube Experimental Design Approach Development of Dynamic Multi-Interval Traffic Volume Prediction Based on System Approach Using Historical and Real-time Data Development of SIDRA-TRIP Integrated GPS Model to Evaluate Fuel Consumption/Emission on Expressway and Alternative Road A Statistical Method for Assessing the Periodicity of Traffic Flow Time Series Introduction to Modeling Experimental Design When Operating SCATS within Simulation Development of a New Drowsy Driving Monitoring System
Forecasting and Information Service SP12_ Modeling and Simulation SP16_ Intelligent Vehicle Safety: Advanced Driver	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis Rule-based Information Extraction from Long Distance Travel Data Improvement of Microscopic Traffic Simulation with Driver's Parameter Variation Using Travel Time Estimation Microscopic Freeway Traffic Simulation Model Calibration Using Latin Hypercube Experimental Design Approach Development of Dynamic Multi-Interval Traffic Volume Prediction Based on System Approach Using Historical and Real-time Data Development of SIDRA-TRIP Integrated GPS Model to Evaluate Fuel Consumption/Emission on Expressway and Alternative Road A Statistical Method for Assessing the Periodicity of Traffic Flow Time Series Introduction to Modeling Experimental Design When Operating SCATS within Simulation Development of a New Drowsy Driving Monitoring System Research on Pre-Warning Experimental System of Driving Fatigue
Forecasting and Information Service SP12_ Modeling and Simulation SP16_ Intelligent Vehicle	Identifying Promising Segments for Safety Improvement through Speed Management Integrated Route Guidance and Ramp Metering System Consistent with Drivers' Dynamic Diversion Behavior Data Fusion Algorithm for Travel Time Prediction Improvement A Spatial Correlation Determining Method for Space-time Traffic Prediction Utilisation of Really Simple Syndication for Real-time Traffic Information Distribution The Effects of VMS on Driver Detours and Identification of Influencing Factors The Impact of Information on Travel Mode Choice: Some Preliminary Results The Modification of Logit Model for Traffic Mode Split under the Information Supplying Condition Relationship of Vehicle Kilometers Traveled and Social Economic Status - Using Panel Data Analysis Rule-based Information Extraction from Long Distance Travel Data Improvement of Microscopic Traffic Simulation with Driver's Parameter Variation Using Travel Time Estimation Microscopic Freeway Traffic Simulation Model Calibration Using Latin Hypercube Experimental Design Approach Development of Dynamic Multi-Interval Traffic Volume Prediction Based on System Approach Using Historical and Real-time Data Development of SIDRA-TRIP Integrated GPS Model to Evaluate Fuel Consumption/Emission on Expressway and Alternative Road A Statistical Method for Assessing the Periodicity of Traffic Flow Time Series Introduction to Modeling Experimental Design When Operating SCATS within Simulation Development of a New Drowsy Driving Monitoring System

場次名稱	論文題目
and visit	Advantages of Friction Estimation in Collision Avoidance and Mitigation Calculations
SP17_ Intelligent Vehicle	Lane Detection System for Vehicle Platooning
Safety: Autonomous Driving & GIS	Autonomous Driving Based on LQ Path Following Control and Platooning with Front and Rear Information
GIS	Digital Lane Marking for Geo-Information Dissemination A Real-time Robust Slam for Large-Scale Outdoor Environments
	Enhanced Radar-based Target Identification and Tracking on Curved Road
SP18_ Public Transport:	The Influences of Real Time Information Provided On-board Rail Services
Operations, Services and	Study on the Optimal Detector Location for the Active Bus Signal Priority of the Median Bus Lane
Scheduling	Monitoring Transit On-Time Performance Real Time Using a Web-Service Dataset
<u> </u>	Analytical Evaluation of Innovative Taxi Operation and Service
	Project Adapted Scheduling Algorithm for the On-demand Bus System
SP19_Vehicle-infrastructure	Performance of Cooperative Communication Scheme with Visible Streetlights for ITS Applications
Cooperation (II)	Probe Vehicle Based Estimation of Parameters for Adapting Traffic Signal Control at Single Intersections
	Field Tests for Cooperative Intersection Signal Violation Warning System (CISVWS)
SP20_ Initiatives and Evaluation	Evaluation on Effectiveness of Intelligent Transport Systems in Suwon
	Interface Protocol and Message Set Definition between Traffic Signal Controllers and Detectors
	A Case Study of 'Continuous Risk Profile' Approach for Hotspots Identification on Korean Expressways
SP21_ Vulnerable Users:	Advanced Traffic Devices for Bicycles and Pedestrians to Friendly Cross Interchanges
Cyclists & Pedestrians	Identifying and Analyzing Reference Scenarios for the Development and Evaluation of Preventive Pedestrian Safety
	Systems
	Predicting the Injury Severity of Pedestrians in Frontal Car Crashes Based on Empirical, Indepth Accident Data
SP22_ Traffic Control &	Development of Left-turn Actuated Traffic Control Strategy for T-intersections Using Image Detection Technology
Congestion Management (III)	Inconsistency of Optimal Signal Timing Plans at Design and Evaluation Stages in ITS Management
	Intelligent Decision Support for Traffic Management
SP23_ Traveller Information:	Adaptive Traffic Control System for Developing Countires
Route Guidance and Navigation	GuideWeb: An Introductory Solution for v2v-communication A Shortest Path Algorithm Considering Turn Penalty in Urban Road Networks
Route Guidance and Navigation	Dynamic Programming Approach for a Concierge Service Problem in Location-Based Services
	New MPEG-2 Compression Method for the Streaming Video Service
	The Analysis of Drivers' Route Changing Factors in Car Navigation System
SP24_ Payment Systems	Vehicle License Plate Tilt Correction Based on the Straight Line Fitting Method
Si 2 i_ i ujiment systems	Development of a Standard Purchase SAM for Nationwide Interoperable Transportation Card System in Korea
	Trust and Privacy in Interoperable Autonomous Tolling
	Modeling the Reduction of Traffic and Air Pollution by Dynamic Tolling
SP25_ Traffic Control &	Impact of One-way Divided Highway Scheme
Congestion Management (IV)	Simulation-based Optimal Time-dependent Evacuation Planning Framework Using Genetic Algorithm
	Intermodal Traffic Management Networks- Methods for Converting Bilateral Data Exchange to Service-oriented
	Architecture
	Development of Vessel Traffic System for Small Ship
SP26_ Traveller Information:	Travel Time Prediction for School Bus
Trip Planning	A Multi-modal Trip Planning System with Real-time Traffic and Transit Information: Design, Implementation and
	Evaluation Wide Discourse Alice Control Discourse Disco
	High Performance Multiagent Interpolation System by Probe Car Data
SP27_ Traffic Surveillance &	Travel Time Prediction for Urban Networks: The Comparisons of Simulation-based and Time- Series Models Prediction Method for the Occurrence Probability of Freeway Traffic Collisions
Incident Management	Development of Integrated Data Collection and Enforcement System
merdent Wanagement	Evaluation of Traffic Data Accuracy Using Korea Detector Testbed
SP28_ Intelligent Vehicle	Securing Vehicular Communication in Ubiquitous-transportation Sensor Network
Safety: Advanced Driver	Safety Message Transmission in Vehicular Communication Networks
Assistance Systems (III)	Toward a Safer Ecological Driver Assistant System
SP29_Intelligent Vehicle	Specification and Development of a HMI for ADAS, Based in Usability and Accessibility
Safety: Human Machine	Principles
Interface	Effects on Eye-fixation-related Potential of a Driver's Conversation and Visual Search
	Comparison of Mental Workload Levels of Eleven Tasks to Reveal Driver Distraction
SP30_ Privacy, Security &	Short-lived, Unlinked Certificates for Privacy-preserving Secure Vehicular Communications
Positioning in Communication	Verifying Mobility Data under Privacy Considerations in Car-to-X Communication
	The Potential of Cellular Phone Positioning Technology in Travel Behavior and Traffic Impact Study
SP31_ Intelligent Road	Enhancing Safety through Advanced Proactive Traffic Management
Infrastructure and Safety	Design of Filtering Process to Provide Real-time Instant Information for City Telematics Service
	Design of GPS-based Floating Vehicle Data Using Data Fusion to Provide Instant Traffic Information for City Instant
	Traffic Service
TP001_ Traffic Management	EGNOS-on-the-road: What Can Be Expected from EGNOS Compared to GPS for Road Traffic Management Services
	Roadside Unit as a Service Based on a Model for the IT Integration into the ITS
	Large Scale Urban Traffic Management Using a Wireless Network Lessons Learned during
TD000 T CC C : 1	Wireless Communication System for Public Transport Management as Part of Bucharest Traffic Management System
TP002_ Traffic Control and	INTELVIA- An Integral System for Safe and Intelligent Traffic Operational Management
Congestion Management	The SafeTRIP Project: Improving Road Safety for Passenger Vehicles Using 2-way Satellite Communications Advanced Testing Techniques in Speed Enforcement Techniques
TD002 Troffic Mon	Advanced Testing Techniques in Speed Enforcement Technology Introduction and Effect of Expressions Long Control System in Gyangpam Province
TP003_ Traffic Management:	Introduction and Effect of Expressway Lane Control System in Gyeongnam Province

場次名稱	論文題目
Smoothing Use of Expressways	Design and Implement of a Variable Speed Limit System with Travel Time Display - A Case Study in MD, USA
	The Use of VSL for Traffic Control
	Proving Test to Develop a Practical Service to Optimize Lane Utilization Rates at Sag Sections of Expressways
	The Methods to Solve the Congestion of Express way Analysis and Control Strategy Development of the Lane Control System by divided Merging Area in Highway
TP004_ Management	Compatibility of Network Management Systems for Road Traffic
11 004_ Management	Innovative Traffic Signal Solutions That Can Relief Emerging Urban Traffic Congestion
	Benefits and Costs from the Caltrans IRIS Open Traffic Management System Demonstration Study for ITS World
	Congress BUSAN 2010
	How ITS is Making Georgia DOT a Leaner, More Efficient Machine
	ITS and Travel Time Reliability in the Second Strategic Highway Research Program
TP005_ Modeling and	The Need of Combining Different Traffic Modelling Levels for Effectively Assess ITS Applications
Simulation (I)	Re-estimating Free-flow Speeds on Rural Expressways using Archived ITS Data
	Environmental Evaluation of Non-stop Driving Assistance Service by a High-spatiotemporal Resolution Traffic Simulator A Novel Behavior Model Based Estimation Method for the Traffic Capacity of Signalized Intersections
	Comparing Calibration Methods for Microscopic Traffic Simulation Models
TP006_ Regional and National	Updates on the Australian Intelligent Access Program Future Transport - A Multimodal Challenge: ITS Supporting More
Initiatives	Environmentally Friendly Transport
	Implementation of the Fully Networked Car Based Transportation Connectivity Systems
TP007_ Experiences	ITS FOT Plan in Kashiwa City, Japan
	CityMobil, Advanced Road Transport for the Urban Environment First Results
	Result of the Galileo Speed Warning Project: Incentivizing Drivers to Improve the Adoption Rates of Intelligent Speed
	Adaptation(ISA) Technology Lessons Learnt from the Showcase in Amsterdam - A User Experience of Worldclass
	Tampere Region ITS - Status and Results of the TRITS Network in Finland
	Nomadic Devices in the Vehicle Environment: Planning of Field Operation Tests in Greece
TP008_ Business Models and	PASTORI Project Defines the Future ITS Services Portfolio
Cases - Part (I)	Innovation Trends in Vehicle Technologies Related to ITS, as Seen from the World of Patents
	Methodology for the Implementation of the Safe Logistic Chain Process
	Challenges and Opportunities of Brazil's Traffic Services
TP009_ A Speedier Society with	Modeling Optimal Parking Route Guidance System
Travel Information	The Research for USN Applications of Parking Guidance Information System
	Analysis of Basic Characteristics for Providing Parking Information
TP010 Vehicle to Infrastructure	E-Adept a Complete Support and Guidance System for Elderly and Disabled People
TP010_ Vehicle to Infrastructure Communication (I)	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks
	E-Adept a Complete Support and Guidance System for Elderly and Disabled People
	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation
	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline
	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band
Communication (I)	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System
	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions
Communication (I)	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics
Communication (I) TP011_ Vehicle Systems	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed
Communication (I)	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics
Communication (I) TP011_ Vehicle Systems TP012_ Upcoming	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars
Communication (I) TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and Detectors	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems:	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems:	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System The Experimental Verification of Energy-saving Effect by ETC Technology
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS Evaluation	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System The Experimental Verification of Energy-saving Effect by ETC Technology Merging GNSS Tolling from Truck to Passenger Cars- The OBU Model
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS Evaluation	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System The Experimental Verification of Energy-saving Effect by ETC Technology Merging GNSS Tolling from Truck to Passenger Cars- The OBU Model GNSS/CN-Based Smart Client Applicable Both for Road Charging and Telematics Services An Analysis of Navigation and Communication Aspects for GNSS-based Electronic Fee Collection SAFERIDER-Advanced Telematics for Enhancing the Safety and Comfort of Motorcycle Riders
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS Evaluation	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System The Experimental Verification of Energy-saving Effect by ETC Technology Merging GNSS Tolling from Truck to Passenger Cars- The OBU Model GNSS/CN-Based Smart Client Applicable Both for Road Charging and Telematics Services An Analysis of Navigation and Communication Aspects for GNSS-based Electronic Fee Collection SAFERIDER-Advanced Telematics for Enhancing the Safety and Comfort of Motorcycle Riders A Study on the Implementation of Transfer Pedestrian Concierge Service Based on Context-Awareness
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS Evaluation	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System The Experimental Verification of Energy-saving Effect by ETC Technology Merging GNSS Tolling from Truck to Passenger Cars- The OBU Model GNSS/CN-Based Smart Client Applicable Both for Road Charging and Telematics Services An Analysis of Navigation and Communication Aspects for GNSS-based Electronic Fee Collection SAFERIDER-Advanced Telematics for Enhancing the Safety and Comfort of Motorcycle Riders A Study on the Implementation of Transfer Pedestrian Concierge Service Based on Context-Awareness A Study on Analysis of Driver's Visual Behavior on the VMS Message Display Form
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS Evaluation	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System The Experimental Verification of Energy-saving Effect by ETC Technology Merging GNSS Tolling from Truck to Passenger Cars- The OBU Model GNSS/CN-Based Smart Client Applicable Both for Road Charging and Telematics Services An Analysis of Navigation and Communication Aspects for GNSS-based Electronic Fee Collection SAFERIDER-Advanced Telematics for Enhancing the Safety and Comfort of Motorcycle Riders A Study on the Implementation of Transfer Pedestrian Concierge Service Based on Context-Awareness A Study on Analysis of Driver's Visual Behavior on the VMS Message Display Form Validation of a Taxi-FCD Sys
TP011_ Vehicle Systems TP011_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS Evaluation TP014_ Safer Travel with Travel Information	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System The Experimental Verification of Energy-saving Effect by ETC Technology Merging GNSS Tolling from Truck to Passenger Cars- The OBU Model GNSS/CN-Based Smart Client Applicable Both for Road Charging and Telematics Services An Analysis of Navigation and Communication Aspects for GNSS-based Electronic Fee Collection SAFERIDER-Advanced Telematics for Enhancing the Safety and Comfort of Motorcycle Riders A Study on the Implementation of Transfer Pedestrian Concierge Service Based on Context-Awareness A Study on the Implementation of Tensfer Pedestrian Concierge Service Based on Context-Awareness Effect Anal
TP011_ Vehicle Systems TP012_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS Evaluation	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System The Experimental Verification of Energy-saving Effect by ETC Technology Merging GNSS Tolling from Truck to Passenger Cars- The OBU Model GNSS/CN-Based Smart Client Applicable Both for Road Charging and Telematics Services An Analysis of Navigation and Communication Aspects for GNSS-based Electronic Fee Collection SAFERIDER-Advanced Telematics for Enhancing the Safety and Comfort of Motorcycle Riders A Study on the Implementation of Transfer Pedestrian Concierge Service Based on Context-Awareness A Study on Analysis of Driver's Visual Behavior on the VMS Message Display Form Validation of a Taxi-FCD Sys
TP011_ Vehicle Systems TP011_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS Evaluation TP014_ Safer Travel with Travel Information	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V21 Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Wehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System The Experimental Verification of Energy-saving Effect by ETC Technology Merging GNSS Tolling from Truck to Passenger Cars- The OBU Model GNSS/CN-Based Smart Client Applicable Both for Road Charging and Telematics Services An Analysis of Navigation and Communication Aspects for GNSS-based Electronic Fee Collection SAFERIDER-Advanced Telematics for Enhancing the Safety and Comfort of Motorcycle Riders A Study on the Implementation of Transfer Pedestrian Concierge Service Based on Context-Awareness A Study on Analysis of Driver's Visual Behavior on the VMS Message Display Form Validation of a Taxi-FCD Sys
TP011_ Vehicle Systems TP011_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS Evaluation TP014_ Safer Travel with Travel Information	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System The Experimental Verification of Energy-saving Effect by ETC Technology Merging GNSS Tolling from Truck to Passenger Cars- The OBU Model GNSS/CN-Based Smart Client Applicable Both for Road Charging and Telematics Services An Analysis of Navigation and Communication Aspects for GNSS-based Electronic Fee Collection SAFERIDER-Advanced Telematics for Enhancing the Safety and Comfort of Motorcycle Riders A Study on the Implementation of Transfer Pedestrian Concierge Service Based on Context-Awareness A Study on Analysis of Driver's Visual Behavior on the VMS Message Display Form Validation of a Taxi-FCD Sys
TP011_ Vehicle Systems TP011_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS Evaluation TP014_ Safer Travel with Travel Information	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V21 Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement foughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System The Experimental Verification of Energy-saving Effect by ETC Technology Merging GNSS Tolling from Truck to Passenger Cars- The OBU Model GNSS/CN-Based Smart Client Applicable Both for Road Charging and Telematics Services An Analysis of Navigation and Communication Aspects for GNSS-based Electronic Fee Collection SAFERIDER-Advanced Telematics for Enhancing the Safety and Comfort of Motorcycle Riders A Study on the Implementation of Transfer Pedestrian Concierge Service Based on Context-Awareness A Study on Analysis of Driver's Visual Behavior on the VMS Message Display Form Validation of a Taxi-FCD Sys
TP011_ Vehicle Systems TP011_ Upcoming Technologies in Sensors and Detectors TP013_ E-Payment Systems: Evaluation and GNSS Evaluation TP014_ Safer Travel with Travel Information	E-Adept a Complete Support and Guidance System for Elderly and Disabled People Location Aware Fast Handover between WiMAX and WiFi Networks Trajectory Information-based Routing Protocol for Wireless Mesh Networks with Mobile Mesh Router A Study on Seamless Handover Algorithm in the U-TSN Environment V2I Data Exchange Architecture for Enhanced Vehicle-road Cooperation Design of Tapped-line Bandpass Filter for Harmonic Rejection with Meander Spurline Propagation Characteristics for Vehicle-to-Infrastructure Communication System in UHF Band A Wireless Mesh Network with TDMA Scheme for u-TSN System Comparison of Crossing Incidents Gathered from Drive Recorders in Three Regions The Development of Parking Support System Considering Driving Characteristics Studying the Effect of Using Vehicular Ad-hoc Networks on Vehicles' Average Speed Vehicle Segmentation from Video Using Color and Edges A Study on the Detecting Method of Intercept Violation Vehicles Using an Image Detector Use of Video Analytics for Turning Movement Counts Employing Intelligent Algorithms with New Generation Radars Intelligent Pavement for Traffic Flow Detection Fiber Optic Pavement for Traffic Flow Detection Fiber Optic Pavement Roughness Monitoring Development of Methodology to Estimate Reduced CO2 Emissions Through ETC (Electronic Toll Collection) System Electronic Toll Collection Systems to Improve Road Safety The Applications by Electronic Toll System in Traffic Data Collection Support System The Experimental Verification of Energy-saving Effect by ETC Technology Merging GNSS Tolling from Truck to Passenger Cars—The OBU Model GNSS/CN-Based Smart Client Applicable Both for Road Charging and Telematics Services An Analysis of Navigation and Communication Aspects for GNSS-based Electronic Fee Collection SAFERIDER-Advanced Telematics for Enhancing the Safety and Comfort of Motorcycle Riders A Study on the Implementation of Transfer Pedestrian Concierge Service Based on Context-Awareness A Study on the Implementation of Transfer Pedestrian Concierg

場次名稱	論文題目
	Traffic Signs Recognition for Detailed Digital Maps Development and Driver Assistance Systems
	Large-scale FOT for Analyzing the Impacts of Advanced Driver Assistance Systems
	Multi Angle Vision System to Supplement Driver's Visual Field Data Transmission Performance of DSRC (5.8GHz) typed Pedestrian-Vehicle Communication to Avoid Conflict between
	Right-turn Vehicles and Pedestrians
TP018_ On-board Sensors	Discrimination of Traffic Lane Departure Based on GIS Using DGPS
	Improvement of Distant Approaching Vehicle Detection Based on Perspective Transformation Using On-board Rear View
	Camera
	Pedestrian Tracking and Detection with On-board Multi View Angle Cameras
	A Study on Combined GPS/GLONASS RTK Receiver using Embedded Platform and Field Test Results in Urban Area
TP019_ STafer Travel with Vehicle Communication	Fog Warning System in Venice Region
Systems	A Comparison between TETRA and DMR for New ITS Projects Redefining the Paths to ITS Standards Training
Systems	Iterative Design and Assessment of an Audio Visual Warning Concept for Car2x Communication Systems
	Developing Travel Time Estimation Algorithms in the Wireless Vehicle to Vehicle Communication Network
TP021_ Vehicle to Infrastructure	Technological Model for Application of Optical Character Recognition Technology to Monitor Vehicles
Communication (II)	Network Coding Scheme for Enhanced Data Throughput in VANET
	Toward the Realization of Smartway Service
	Fuel Economy Benefit of Traffic Signal to Vehicle Communication System
	Remote Freight Information
ΓΡ022_ Advanced Driver Assistance Systems (II)	Effect of Combined Stimuli to Raise Driver Vigilance - Using Vibration and Auditory Stimulus-
Assistance Systems (II)	Human Physiological Signals Extraction and Estimation Using a Car Seat Built-in Piezo-film Sensors Cooperative Adaptive Cruise Control: Driver Selection of Car-following Gaps
	Joint Interpretation of On-board Vision and Static GPS Cartography for Determination of Correct Speed Limit
	Bio-signal Indices to Evaluate Driver Stress of Automatic Platooning
	Enhanced Perception Suitable for Active Intervention in Automotive Safety Applications - The InteractIVe Project
TP023_ Road Hazard Detection,	Measures to Raise the Sophistication of Expressway Snow and Ice Management
Reporting and Clearance	The Introduction of the Snow Vehicle Position Monitoring System and Its Effectiveness A Discussion of Advancements in
	Data Collection and Provision Using Next-generation ITS Technology in Regions of Cold and Heavy Snow
	A Study on Provide Road Surface Information Through Road Surface Hazard Grade Assessment Extensional Smartphone Probe for Road Bump Detection
TP024_ E-Payment Systems:	Finding Fairness in Tolling Schemes
Principle and Strategies	New Flexible Toll Measures and Handling of the System
1	Experimental Test of Mobile Enforcement of Oncoming Vehicles Using DSRC
	GNSS Road Pricing: The Six Pillars of Acceptance
	Ensuring Trust in Autonomous EFC Systems
TP025_ Architectural Design for	GNSS-enabled Services Convergence - The Role Model
Various ITS Services	Design of Large Volume Traffic Information Service Based on U-TIS
	Freeway Intelligent Transportation System Architecture Planning of Beijing
TP026_ Traffic Management:	The Development of an Indoor and Outdoor Navigation System A Review of the Adaption of Balance System in Korea
Adaptive Traffic Signal Control	St. Louis Avoids "Apocalypse" Using Wireless Vehicle Detection
(I)	Neuro-fuzzy Traffic Signal Control for Queue Length Management
	Priority of Commercial Trucks within Coordinated Signalling
	Development of Traffic Signal Control System for Airside
TP027_ Traffic Management:	Countermeasures against Traffic Accidents by Wrong Way Driving
Traffic Incident Management (I)	The Conceptual Framework of Detection System for Emergency Situation Associated with SMART Highway
	Portable Visibility Warning System for the Safety of Highways
	Identification of Traffic Accident Propensity in Tunnel as a Strategy of Freeway Tunnel Incident Management EGNOS Telematics Support Safety in HAZMAT
TP028_ Traffic Management:	Study of CO2 Emission Estimation and Clarification of Congestion Length Using DSRC Probe Data
Traffic Data Collection to	Application of Probe Data Collected via Infrared Beacons to Traffic Management
Improve Traffic Flow	Crowd Sourcing as a Business Model for the Connected Vehicle
TP029_ Test and Simulation (I)	eVALUE - A Test Program for Active Safety Systems
	A Study on Correlation between Skid Distance and Pre-braking Speed
	Simulating Cooperative Intelligent Driver Safety Systems with a Micro-simulation Model
TD000 M 1 I'	Probabilistic Situation Assessment for Intelligent Transportation Systems
TP030_ Modeling and Simulaiton (II)	Macro-Micro Integration in Traffic Simulation Models: An Oregon Highway Case Study Heat Transfer Analysis on Road Surface Temperature Near a Traffic Light
Simulation (II)	On-line Freeway Corridor Analysis System for Advanced Traffic Control and Management
	An Exploration of Capacity of Dual-right-turn Lanes at Signalized Intersections under Mixed Traffic Conditions
	A Simulation Study for the Effect of Dynamic Route Guidance with Embedded Drivers' Behavior
	Development of a Statistical Framework to Guide Traffic Simulation Studies
	Study on Effect of DSRC Evaluation Utilizing Traffic Simulation(VISSIM)
TP031_ Organizational Issues	Development Plan for Assessment Technology of Advanced Safety Vehicle
	Traffic Management / Competition on Governmental Organisation
	A Master Plan for Kimpo-City's Intelligent Transportation Systems(ITS) based on Ubiquitous Paradigm
ED022 F 11 C	AHP - Promethee Based Model for Decision Making in Road Construction Projects
TP032_ Field Operations Test -	Field Operational Tests in the New Tomei Expressway

	論文題目
Vehicle to Infrastructure (I)	Field Operational Test toward the Practical Use of Vehicle-infrastructure Cooperation Systems(DSSS)
	Evaluation of Connectivity Quality for V2V Communication System
	Application of V-I Cooperative Experiment for Safe Driving in Kanagawa
TP033 Business Models and	The Conformance Test of Communication for Seamless Services under High Speed Environment How TTS Con Assist to Bridge the Con between Fricting Read Networks and Enveroisty New Philds
Cases - Part (II)	How ITS Can Assist to Bridge the Gap between Existing Road Networks and Expensive NewBuilds Market Introduction of Cooperative Vehicle Safety Systems - Knowledge, Acceptance & Willingness-to-pay of Potentia
Cuscs Turt (II)	Customers
	The Study on Improvement Measures with regard to Bidding System for Korea's Intelligent Transport System
	Market Model for a GNSS-enabled Service Converged Platform
	New Strategies to Design IT Resources under Future Traffic Environments
TP034_ Public Transport:	A Study on Ubiquitous Based Public Transportation Information Service
Information and Intermodalism	GPS-Based Estimated Time of Arrival(ETA) for Buses - Chennai's Investment into the Future
	A Mobile Transit Information System Using Smart Phone The Role of ITS for Implementing Intermodalism
	Intelligent Green Travel Service (I-GTS) Based on Context Awareness Intermodal Connectivity
	Characterizing the Type of Transfer Center Using Intermodal Time and Entropy
	Development Passengers Transfer Procedure for City Transport in Riga
	A Study on the Effect of Establishing BIS in the Integrated Conurbation (Focusing on Southwest Capital Area)
TP035_ Vehicle to Vehicle	IPv6 GeoNetworking for ITS: Lessons of the GeoNet Project
Communication (I)	Inter-vehicle Communication for Truck Platooning(2nd Report)
	Methods to Improve DSRC NLOS Link Reliability Using Commercial 802.11A Transceivers Comparison of CSMA/CA and CDMA Based Inter-vehicle Communication for Collision Warnings in Large Scale Road
	Systems
	Challenges of Platooning on Public Motorways
TP036_ Autonomous Vehicle (I)	Look-ahead-Distance for Lateral Control of Vision-based Vehicles
	The Trajectory Generation Method for Autonomous Vehicle Driving System
	Defining the Operating Performance Envelope of an Intlligent Vehicle
	Automatic Guidance Control of an Articulated - All Wheel Steered Vehicle
ED027 1 11 12 1 D 1	Operational Concepts for Truck Automation Systems
TP037_ Intelligent Road Infrastructure - Roadside	Fibre Technology to the Roadside End Device Service Delivery Point in the England's 'All Purpose Trunk Roads' Development of Breakaway Support for Small Signs in Korea
Devices	Improving Rural Work Zone Safety in California Using Augmented Speed Enforcement
	Variable Message Signs: The State of Practice
	Analysis of Accident Types for Intersection Install Red Light Cameras
TP038_ E-Payment Systems:	An Optimal Layout of Hi-Pass Lane in Expressway Toll Plaza Considering Traffic Flow
System Design	Practical Use of Active DSRC Battery Powered OBU
	Attempts to Remote Operation of ETC Facility in Case of Unusual Incidents at ETC Lanes
TP039_ Integrated Highway	Addressing Transport Policies through Application of Road User Charges Study on the Missing Data Collected by Microwave Detectors of Beijing Urban Expressway
Information Management	Video Based Highway Monitoring
	Analysis and Measurement of Water Emissivity for the Monitoring of Road Surface State
	Traffic Safety Augmented ITS for a Fog-prone Road
TP040_ Fleets	Integrated Microsimulation to Evaluate Freight on Urban Network and Operation at Inner Port Area
	Utilization of Tracking in Maintenance Resource Coordination
	Innovative Use of Technology in Taxi Operation
	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics
	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan
TP041 Traffic Management:	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0
TP041_ Traffic Management: Adaptive Traffic Signal Control	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan
_	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations
Adaptive Traffic Signal Control	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management
Adaptive Traffic Signal Control (II)	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea
Adaptive Traffic Signal Control (II) TP042_ Management: Traffic	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries
Adaptive Traffic Signal Control (II)	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries Incident Management System Development for Croatian Tunnels
Adaptive Traffic Signal Control (II) TP042_ Management: Traffic	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries Incident Management System Development for Croatian Tunnels Maintaining 'Control Consoles' Responsible for Controlling Traffic across Metropolitan Tokyo
Adaptive Traffic Signal Control (II) TP042_ Management: Traffic Incident Management (II)	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries Incident Management System Development for Croatian Tunnels Maintaining 'Control Consoles' Responsible for Controlling Traffic across Metropolitan Tokyo A Practical Perspective on the System Level Benefits of Combined Traffic Assignment and Control Method
Adaptive Traffic Signal Control (II) TP042_ Management: Traffic	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries Incident Management System Development for Croatian Tunnels Maintaining 'Control Consoles' Responsible for Controlling Traffic across Metropolitan Tokyo
Adaptive Traffic Signal Control (II) TP042_ Management: Traffic Incident Management (II) TP043_ Traffic Management:	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries Incident Management System Development for Croatian Tunnels Maintaining 'Control Consoles' Responsible for Controlling Traffic across Metropolitan Tokyo A Practical Perspective on the System Level Benefits of Combined Traffic Assignment and Control Method The Research of Bi-directional Pedestrian Platoon Crossing Mechanism at Signalized Intersection
Adaptive Traffic Signal Control (II) TP042_ Management: Traffic Incident Management (II) TP043_ Traffic Management: Vulnerable Road Users	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries Incident Management System Development for Croatian Tunnels Maintaining 'Control Consoles' Responsible for Controlling Traffic across Metropolitan Tokyo A Practical Perspective on the System Level Benefits of Combined Traffic Assignment and Control Method The Research of Bi-directional Pedestrian Platoon Crossing Mechanism at Signalized Intersection Effects of Indication of Pedestrian Traffic Lights on Drivers' Behavior in Dilemma Zone: Analysis via Driving Simulator Measures to Improve the Traffic Environment of Pedestrians by Traffic Lights Safety and Smooth Measures on the Traffic Flow with the Movement Control in Susono-city
Adaptive Traffic Signal Control (II) TP042_ Management: Traffic Incident Management (II) TP043_ Traffic Management: Vulnerable Road Users TP044_ Test and Simultation	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries Incident Management System Development for Croatian Tunnels Maintaining 'Control Consoles' Responsible for Controlling Traffic across Metropolitan Tokyo A Practical Perspective on the System Level Benefits of Combined Traffic Assignment and Control Method The Research of Bi-directional Pedestrian Platoon Crossing Mechanism at Signalized Intersection Effects of Indication of Pedestrian Traffic Lights on Drivers' Behavior in Dilemma Zone: Analysis via Driving Simulator Measures to Improve the Traffic Environment of Pedestrians by Traffic Lights Safety and Smooth Measures on the Traffic Flow with the Movement Control in Susono-city Analysis of Vehicle's Behavior in Intersections Reproduced Using a Survey Simulator to Evaluate Safety Systems
Adaptive Traffic Signal Control (II) TP042_ Management: Traffic Incident Management (II) TP043_ Traffic Management: Vulnerable Road Users	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries Incident Management System Development for Croatian Tunnels Maintaining 'Control Consoles' Responsible for Controlling Traffic across Metropolitan Tokyo A Practical Perspective on the System Level Benefits of Combined Traffic Assignment and Control Method The Research of Bi-directional Pedestrian Platoon Crossing Mechanism at Signalized Intersection Effects of Indication of Pedestrian Traffic Lights on Drivers' Behavior in Dilemma Zone: Analysis via Driving Simulator Measures to Improve the Traffic Environment of Pedestrians by Traffic Lights Safety and Smooth Measures on the Traffic Flow with the Movement Control in Susono-city Analysis of Vehicle's Behavior in Intersections Reproduced Using a Survey Simulator to Evaluate Safety Systems (ASSESS)
Adaptive Traffic Signal Control (II) TP042_ Management: Traffic Incident Management (II) TP043_ Traffic Management: Vulnerable Road Users TP044_ Test and Simultation	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries Incident Management System Development for Croatian Tunnels Maintaining 'Control Consoles' Responsible for Controlling Traffic across Metropolitan Tokyo A Practical Perspective on the System Level Benefits of Combined Traffic Assignment and Control Method The Research of Bi-directional Pedestrian Platoon Crossing Mechanism at Signalized Intersection Effects of Indication of Pedestrian Traffic Lights on Drivers' Behavior in Dilemma Zone: Analysis via Driving Simulator Measures to Improve the Traffic Environment of Pedestrians by Traffic Lights Safety and Smooth Measures on the Traffic Flow with the Movement Control in Susono-city Analysis of Vehicle's Behavior in Intersections Reproduced Using a Survey Simulator to Evaluate Safety Systems (ASSESS) Core European ITS Services from a National Perspective
Adaptive Traffic Signal Control (II) TP042_ Management: Traffic Incident Management (II) TP043_ Traffic Management: Vulnerable Road Users TP044_ Test and Simultation	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries Incident Management System Development for Croatian Tunnels Maintaining 'Control Consoles' Responsible for Controlling Traffic across Metropolitan Tokyo A Practical Perspective on the System Level Benefits of Combined Traffic Assignment and Control Method The Research of Bi-directional Pedestrian Platoon Crossing Mechanism at Signalized Intersection Effects of Indication of Pedestrian Traffic Lights on Drivers' Behavior in Dilemma Zone: Analysis via Driving Simulator Measures to Improve the Traffic Environment of Pedestrians by Traffic Lights Safety and Smooth Measures on the Traffic Flow with the Movement Control in Susono-city Analysis of Vehicle's Behavior in Intersections Reproduced Using a Survey Simulator to Evaluate Safety Systems (ASSESS) Core European ITS Services from a National Perspective The VisLab Intercontinental Autonomous Challenge: 13,000km, 3 months,No Driver
Adaptive Traffic Signal Control (II) TP042_ Management: Traffic Incident Management (II) TP043_ Traffic Management: Vulnerable Road Users TP044_ Test and Simultation	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries Incident Management System Development for Croatian Tunnels Maintaining 'Control Consoles' Responsible for Controlling Traffic across Metropolitan Tokyo A Practical Perspective on the System Level Benefits of Combined Traffic Assignment and Control Method The Research of Bi-directional Pedestrian Platoon Crossing Mechanism at Signalized Intersection Effects of Indication of Pedestrian Traffic Lights on Drivers' Behavior in Dilemma Zone: Analysis via Driving Simulator Measures to Improve the Traffic Environment of Pedestrians by Traffic Lights Safety and Smooth Measures on the Traffic Flow with the Movement Control in Susono-city Analysis of Vehicle's Behavior in Intersections Reproduced Using a Survey Simulator to Evaluate Safety Systems (ASSESS) Core European ITS Services from a National Perspective
Adaptive Traffic Signal Control (II) TP042_ Management: Traffic Incident Management (II) TP043_ Traffic Management: Vulnerable Road Users TP044_ Test and Simultation	The Application of Data Mining Technologies on Commercial Vehicle GPS Data - A Case Study on Formosa Plastics Transport Corp., Taiwan Extending the Reach of Freight Transport Information with Google Android 2.0 Evaluation of Phase Force-off Methods in Coordinated-actuated Arterial Operations Evaluation of Adaptive Traffic Signal Control: Case Study of Cobb County SCATS An Improved Method for Subsequent Offset Optimization of Traffic Lights RTA and NICTA: Innovating on Successful Traffic Management A Study on Operation Analysis of Permissive Left-Turn Signals in Korea Incident Detection and Response Utilizing Traffic Responsive across Agency-jurisdictional Boundaries Incident Management System Development for Croatian Tunnels Maintaining 'Control Consoles' Responsible for Controlling Traffic across Metropolitan Tokyo A Practical Perspective on the System Level Benefits of Combined Traffic Assignment and Control Method The Research of Bi-directional Pedestrian Platoon Crossing Mechanism at Signalized Intersection Effects of Indication of Pedestrian Traffic Lights on Drivers' Behavior in Dilemma Zone: Analysis via Driving Simulator Measures to Improve the Traffic Environment of Pedestrians by Traffic Lights Safety and Smooth Measures on the Traffic Flow with the Movement Control in Susono-city Analysis of Vehicle's Behavior in Intersections Reproduced Using a Survey Simulator to Evaluate Safety Systems (ASSESS) Core European ITS Services from a National Perspective The VisLab Intercontinental Autonomous Challenge: 13,000km, 3 months,No Driver An Operational Perspective on the Organisation of Large Scale Field Operational Tests of Intelligent Vehicles

場次名稱	論文題目
	The Mississippi DOT ITS Program - A Decade of Amazing Success
	Improving Knowledge of ITS - Swedish ITS Training Program Incorporating Technology Transfer into ITS Professional Capacity Building
TP047 Field Operations Test -	COOPERS Field of Test on French Motorways
Vehicle to Infrastructure (II)	Assessing the Impact of In-vehicle Traffic Management Information in the Demonstration Phase of COOPERS
,	Study of a Method of Quantitatively Evaluating the Effectiveness of Advanced Cruise-assist Highway Systems
	The Facility Layer for Cooperative Applications and Services
TP048_ Evaluation - Is It	Long-term Plan with Evaluation of ITS Operation and Performance
Taking Us Where We Want to	The Effectiveness Analysis of Bus Information and Management Deployment on Busan Metropolitan City
Go?	Study on the Evaluation Method for CO2 Reduction Effectiveness of Bus Information System
TP050_ Vehicle to Vehicle	An Integrated Simulator for Safe Drive Support Systems
Communication (II)	Effect of Transmission Parameters on Efficiency and Reliability of V2V Networks
	Cooperative Position Verification - Defending Against Roadside Attackers 2.0
TP051_ Autonomous Vehicle	A Consideration of Location Surveying for Vehicle-to-Vehicle Communication Using the UHFBand Smart Car Algorithm Using Fuzzy Rules
(II)	Performance Evaluation of the 2D Positioning by M-CubITS in Plural Traffic Lane Roads
(11)	Road Environment Perception for Automated Vehicle
	Development of Human Machine Interface for Platooning Systems - Fundamental Proposal of HMI for Risk Avoidance
TP052_ Safety: Intelligent	Incident Detection Systems for Enhancing Traffic Safety on Existing and New Road Infrastructure
Roads	Operational and Crash Evaluation of Lighted Pavement Marker Stop Bars and Led Outlined Traffic Signal Backplates
	The Application of 3D Visual Interactive Drive Simulation Technology to Safer Road Design
	Impact Conditions of Performance Evaluation and Development of High-performance Roadside Barrier for Longitudina
	Barriers of SMART Highway
TP053_ E-Payment Systems:	Implementing GNSS/CN HGV Tolling in New Zealand
Trial and Development	Swedish Distance Based Charging - Field Trials Results
	EGNOS Evaluation Trial for Road User Charging
TP054_ Better Travel	An Adaptive System Architecture for a Heterogeneous ETC System
Information Systems	Quality Traffic Information Road Administration Responsibility for Traffic Information from a Societal Perspective
mornation Systems	Achieving Integrated Management on the Schuylkill Expressway Corridor in Southeastern Pennsylvania
	Automatic Journey Replanning for Passengers in the Case of Incidents
	Development of Car Speed Estimation Model by Using Route Bus Speed
	Research on the Impact of New Variable Message Sign on Route Choice in Beijing
	Teleport: Journey Time Measurement in Real Time
TP055_ Freight and	VTOL UAV for Postal and Parcel Services
Commercial Transport	Cargo Centric Approach for Supply Chain Design - Reference Architecture
	Using GPS/GIS to Support an On-demand-type Parcel Collection and Delivery System
	A Unified Multimodal Level of Service Definition for Cargo Transportation Based on Network Analysis
TP056 Vehicle to Vehicle	Supply Chain System through ITS Technology A Study on Efficient Location Oriented PN Code Allocation in Multi-Code Sense CDMA at an Intersection
Communication (III)	Simulation Evaluation of Random Access Control for Pedestrian ITS in Intersection Scenario
Communication (III)	Implementation of Mobile MAC for V2V DSRC Communicatio
	Vehicle Mobile Gateway for Provisioning and Support of ITS Services on Nomadic Devices
	CoCarX - LTE as a Means of Providing Managed Vehicle Telematic Services
TP057_ Intelligent Vehicle	Development of a Safe Driving Management System and its Application
Safety - Advanced Driver	Development of the Device to Prevent Wrong-way Driving
Assistant Systems	A Safety Evaluation and Design Method at Freeway Exit Ramp Based on Driving Behavior
	Study on Eyes Movement of Drivers with Different Driving Experience on Perception of Traffic Signs
	Applying Intelligent Transportation Systems to Decrease Hydroplane Related Traffic Crashes in Greenville County, South
	Carolina
	CrossWatchTM - Real Time Accident Prevention Clustering DSRC-Based Networks for Logistics Operations in Ports
TP058_ Safety: Truck and	Development of Automated Platooning System Based on Heavy Duty Trucks
Management	Prospect of Using Weigh-in-motion System for Enhancing Vehicle Weight Enforcement - A Case Study of Malaysian
Tranagement	Roads
	Prospect of Using Weigh-in-motion System for Enhancing Vehicle Weight Enforcement - A Case Study of Malaysian
	Roads
	Study on Qualitative Standard of Driver Behavior Comfort
TP059_ E-Payment Systems:	To Tag - or Not to Tag Vehicles for Electronic Toll Collection
Vehicles Recognitions	ALPR as a Precondition for MLFF (ORT) Tolling Systems; Prospects and Challenges of Optical License Plate
	Recognition Systems
	A Parallel License Plate Recognition System for Efficiency Improvement of ETC Enforcement
	Plate Fingerprinting for Reliable Vehicle Identification in Tolling Application License Plate Recognition of Low Resolution Images
TP062_ Vehicle to Vehicle	Merging Assistance at a Non-signalized Intersection with Vehicle-to-Vehicle Communications
Communication (IV)	Dynamic Adaptations of LPG-based Vehicular Ad Hoc Networks
(2.)	High Accurate Direction Finding of Target Objects in Intersection Using Cumulative Likelihood of DOA Estimation for
	Anti-collision Warning System

場次名稱	論文題目
	Performance of OFDM/MIMO Scheme for ITS Applications
	Methods to Reduce DSRC Channel Congestion and Improve V2V Communication Reliability
TP063_ Environment Issues -	CO2 Reduction by Fuel-cut Driving in the Downhill Part of Roads
Case Study	Evaluating the Benefits of Reduced Fuel Consumption by Diffusion of 3-Media VICS Receivers on Board Commercial Vehicles
	Smart Intersections for Green Cities: A Case Study in Paris, France
	The Contents of Carbon Dioxide Emission on Public Transport Information Web Service in Korea
TP064_ Smart Road Technology	Wireless Communication Technologies for Smart Highway
(I)	Evaluation of Eco-driving Skill Using Traffic Signals Status Information
	Cooperative Vehicle Localization for Efficient Urban Mobility
	Development of Consecutive Vehicle Crash Prevention Using Multicast and Anycast Communication
	Priority of Commercial Trucks through Dedicated Lane Assignment
TP065_ E-Payment Systems:	On the Verge of Full Cashless Payment on Motorway Network
Case Study	The Multilane System Activation Plan Using ETCS
	Make Boring On-board Units for Road-pricing More Interesting
	Toll Collection Service in Kansai
	Enhancement of Hi-pass Reliability with Cooperative Sensing for ITS
TP066_ Using Information to	Smart Traveler Service Experiences in U.S and Korea
Help Travelers Navigate	WISETRIP: Wide Scale Multimodal and Intelligent Journey Planning Learning User Perception to Traveler Situation
Different Modes	Awareness Alerts on Mobile Devices
	Personalised Multi-modal Commuter Services in a Middlesized Region of Sweden
TP067_ International	The Strategic Plan of Intelligent Safety Bridge Model Based on Ubiquitous Sensor Networks
Cooperation and New	Automated Border Crossing - System for Handling Queues with Long Waiting Time
Positioning Tools	A Comparative Analysis of Face Recognition Performances for Advanced Immigration Services
	A Study of a Positioning System Using Address Information on Web and Spot Information in Cityscape Technical Applysic of A CORA CUSO 17573 31 and Open L DTM
	Technical Analysis of AGORA-C[ISO17572-3] and OpenLRTM
	Kernel-RLS Aided GPS/INS Integration with Application to Land Vehicle Navigation Development on Next Generation Intelligent Airport System
TP068_ Traffic Management:	An Integrated Design for Lane Allocation and Signal Optimization at Signalized Intersections
Traffic Signal Management	Evaluation on Signal Coordination Effects on Arterial Travel Time - Case Study of City of Irvine
Trusse Signar Francisco	Promoting Smoother Road Traffic by Effective Maintainance and Operation of Vehicle Detectors
	Advanced and Integrated New Traffic Control System on Tokyo Metropolitan Expressway
	Real-time Traffic Management Pilot Study - Port of Long Beach Case Study
	Development of a Real-time Traffic Control Evaluation System Using Hardware-in-the-Loop-Simulation
	Intelligent Traffic Systems Deployment on SungNam City
TP069_ Traffic Management	A Case Study on Local Accident Investigation by Means of Transport Safety Information Management and Analytical
and Incident Management Area	Processing (TSMAP)
Control	Investigation of Attributes of Kinematic Waves Preceding Traffic Collisions
	ITS Operation in Singapore
	Developing Extensible Multi-use Traffic Management Software for Use Across Wide Regions
	Advanced Traffic Control & Surveillance System for Hong Kong Route 8
TT0000 T 00 14	An Analysis on the Operating Effects of Beijing Urban Intelligent Transportation Management Systems
TP070_ Traffic Management:	Ubiquitous Traffic System Together with Low Carbon Green Growth Dedicated to Busan City
Ways of Improving Traffic Flow	Sustainable Effects of Increasing Queue Discharge Flow Rate by Using the Variable Message Signboard
	The Traffic Flow Control Using Probe Vehicle Data
	Evaluation of the Benefits of Route Guidance System Using Combined Traffic Assignment and Control Framework
TD071 Troffic Surveillance and	A Development of Traffic Analysis Support System for Gyeonggi-Do Traffic Information Center Red Light Enforcement and Video Detection Technology - A Perfect Synergy
Enforcement (I)	A Rule-based Vehicle Tracking with Multiple Video Sequences
Emoreement (1)	Experiences and Next Step in Operating the Swedish Traffic Safety Camera System
	USN-based Multivalent System Approach to Traffic and Road Weather Management
	Monitoring Improvement for Restrictive Vehicle Enforcement System on Express Highways
TP072_ Modeling and	Analysis on the Running Safety and Investment Effect by Severity Model of Big Traffic Accidents
Simulation (III)	A Multi-Mode Variable Demand Traffic Assignment Problem for the Transportation Network Investment
` ,	A Transportation Evacuation Framework for Multi-Institutional Centers
	Development of a Driving Simulator for Education of Safe Driving on Expressways
	Roundabout Metering: Simulation and Reality
	Development of Dynamic Lane Control Model Based on Multiple Merging Point in Highway
	Quantitative Analysis of Traffic Conflicts in Traffic Impact Studies
TP073_ Role of Government in	ITS - Present and Future in Brazilian Granted Federal Highway
Benchmarking Management	The Study for ITS Establishment in Colombia - 4 Cities Case Study
Systems and Standardization	A Study on Organizational Approach for Traffic Management Center Operation – Busan Matropolitan City Consideration
TP074_ Infrastructure	Correlation between Surface Deterioration Degree and Electrochemical Impedance Spectroscopy Results for Epoxy
Maintenance	Primer-coated Steel
	Structural Monitoring System at Marine Section of the Incheon Bridge
	The Study of a Safety Documents Assessment Program
	A Study on Aircraft Rapid Arresting System Development
TP075_ Evaluation Tools and	Toolkit for Sustainable Decision Making in ITS Deployment Methodology for Determining Optimum Letter Spacing for
Strategies - Part (I)	Highway Signs Based on Driver's Legibility Performance

場次名稱	論文題目
	The ITS Test Beds Project
	Needs for Cooperation on Field Operational Tests
EDOS C D III E	The Conditions for Diffusion of Car Navigation System
TP076_ Public Transport:	Estimating Passenger Origin-Destination Matrix of Fixed-fare Bus Routes with Smart Card Usage Information
Passengers	Research of TSBToA Based Positioning Algorithms and Technology in Wi-Fi Environment
	Development of the Purchase Terminal for Nationwide Interoperable Transportation Card System in Korea Research on the BRT Priority Signal Optimization Methods Based on Actuated Control
TP077_ Using Advanced	Bio-inspired Neuromorphic Vision by CMOS Conductance for Intelligent Monitoring System of Passenger Emergency
Communication Technology (I)	Three-Tier Wireless Communication Network in Sugar Land, Texas
Communication Technology (1)	Discuss on the Application of 3G Web Video Processing Technology in Traffic Flow Analysis
	Improving Performance of DS/SS IVC Based on Location Oriented PN Code Allocation
TP078_	Low Emission Zone 2.0 Future Deployment Options
Emission/Climate/Weather	Travel Demand Management by Bonus Credits for Parking
Related Traffic Management	Idling Reduction Using Intelligent Traffic Signal Controller Algorithms Weather-based Intelligent Transportation Systems
•	A Key to Network Safety and Mobility
	Weather Impact on Floating Car Data
	The Dynamic Index Smart Access and Emergency Control of Highway Network Operational Status in Adverse Weather
	Conditions
	Optimization of Speed Limit Impact Area in Highway Intersections
	Research on Design Road Traffic Weather Laboratory
	A Study on the Calculation Method of Greenhouse Gas in Road\
TP079_ Smart Road Technology	
(II)	Wireless Traffic Safety Network between Cars - Real Time Road Weather, Incident and Accident Data to Vehicles
	Mobile Virtual Synchronous Machine for V2G Applications
	Freeway Flow Management Based on Vehicular Sensor Network
	Proving Tests of Automatic Selection of Safe Driving Assistance Information According to Traffic Condition
TP080_ Implementation	To Tag - or Not to Tag Vehicles for Electronic Toll Collection
	Improvement of the Accuracy of Evaluating The Vehicle Detecting System
	iCARS Thematic Network Project? ICT For Energy-Efficiency In Transport
	Travel Demand Analysis Based on Land Use Factors in Incheon
T00001 VV : T	Development of Integrated Road Traffic Information Infrastructures toward u-Korea
TO081_ Using Travel	TeleFOT, Field Operational Tests of Aftermarket Nomadic Devices in Vehicles, Early Results
Information Systems for Better	Conformance Test for TPEG Receivers
Travel Planning	Wide-Area Route Information Provision Service For Urban Expressways
	Travel Information Decision Support Systems
TTD006 TT 00 G 111	Methodology for Correcting Erroneous Individual Vehicle Speed Data Using Locally Weighted Regression
-	Tolling Overweight Vehicles on Highways
Enforcement (II)	Developing a Flexible Traffic Safety Camera System Development and Application of the Non-stop Overweight Control System Using HS-WIM
	Construction of Overhead-view Images Using Single Camera at a Road Intersection
	Image Infomation Collection of CCTV Dead Zone Using Wireless AP
TP088_ Role of Government	A Study on a New Transportation System for Seoul
and Organizational Issues	Monitoring and Analysis of Bus-only lane Policy & Lane Control System on Gyeongbu Expressway
and Organizational Issues	Parameters Determining Route Choice in Pedestrian Networks
	Master Plan and Basic Design for ITS of Incheon Free Economic Zone
	The Architecture for GNSS Enabled Service Converge
	A Study on the World Geodetic System-84 Environment
TP090_ Evaluation Tools and	Evaluating the Public Transport Priority System: Identifying Background Data Impact
Strategies - Part (II)	Development of the Safety Evaluation System for Korea Rural Highways
8	Data Collection Method Analysis for Evaluation of Public Transport System Performances
	Quantitative Evaluation of Accidents due to a Complex Traffic Environment
	Development of the Assurance Test System for the Nationwide Interoperable Transportation Card in Korea
	Evaluation of Geofences Technology Using the Weighting for the Transit Time Method Considering Its Variability
TP091_ Public Transport:	Development of Bus Reliability Index Considering Bus User's Waiting Time
Scheduling/Operations	Cellular-based Location Tracking Using Decision Tree and Neural Networks Techniques
	A Study on the Introduction of the Demand Responsive Headway for Urban Bus
	Intelligent Bus Scheduling System with Real-time Optimization and Monitoring
	PRONTO: Event Recognition for Public Transport
TP092_ Using Advanced	Sensor Network Infra Test for Monitoring of Hi-speed Railway
Communication Technology (II)	
	Region Wide Interoperability for Electronic License Plates: A Utopia or Close Future Reality?
	Next Generation of Automotive Security: Secure Hardware and Secure Open Platforms
	UAV Controlling and Monitoring Workstation-UCMW
TP094_ In-vehicle Networks	A Study on the Performance of Ultra Wideband Intra-Vehicle Networked Control System
	A Study on Vehicle Wireless Communications with UWB in ITS System
	Control Area Network Bus at Vehicle Diagnostic Interface
	Design and Implementation of a Fiber Optic Transceiver for In-vehicle Networks
TP095_ System Architecture	Methodology of Architectural Project Applied in Systems for Supervision Operation and Information to the User of
and Advanced Travel Systems	Highways

場次名稱	論文題目
	A Research on Methodology and Architecture for Logical Realization of Ubiquitous-ITS
	Developing a Methodology for Choosing ITS Market Packages in Intercity Roads
	El Segundo Area ITS Project Arterial Traveler Information? Is It Possible?
	ETC Data Based Freeway Traffic Information Mining Techniques
TP096_ Road Weather	Traffic Data Platform as ITS Infrastructure for Intelligent Traffic Data Management Road Weather Information System
Information	Study on the Development of the Road Weather Information System in China
	Comparison between Legibility of Guide Signs in Diverse Weather Conditions
	Intelligent VMS Responding to Weather Information
TP098_ Wireless Technologies	Design of Harmonic Suppressed Stub Bandpass Filter in Tapped Line Geometry
in ITS (I)	Measuring and Using the RSSI of IEEE 802.11p
	A 0.5 - 5.8 GHz Wideband Two-gain Mode Low Noise Amplifier
	Implementation of Novel Automatic Gain Control in Vehicular Environments
	Development of Multi Frequency Antenna with a Single Feeding Point In-vehicle Use
	Signal Quality Improvement of in-Vehicle Telecommunication Equipment Using Digital Processing Technique
TP099_ Environment Issues - Benefit Evaluation (I)	Assessing Air Quality Impacts of Managed Lanes
	Validation Scheme for Traffic Simulation to Estimate Environmental Impacts in 'Energy-ITS Project'
TD100 V C V C	Estimation and Analysis of GHG Emission on Expressway Construction
TP100_ Influencing Driver	Standardization of Message Sets for Exchange of Transfer Information at Transfer Center
Behavior with Better Data and Travel Information	Eco Routing for European Market
Traver information	Driver Behavior Analysis Method for Improving Route Searching Results Estimation of Coverage Area of VICS-FM Multiplex Broadcasting
TP101_ Standardization Efforts	Brazilian Standardization for ITS Architecture
for ITS Development	ITS SUB-Architectures Deployment Over IMS (4G NGN)
lor 115 Bevelopment	A Performance Standard Study on Public Transportation Communication System
	Hybrid Telematics System Combining WAVE DSRC with WiMAX
	CARS (Condition Acquisition Reporting System) and the CARS Group
TP102 Geographic Information	Benchmarking Evaluation Study of Personal Navigation Devices in TeleFOT
Systems(GIS) in ITS	Discovering the Value of Three-dimensional Road Geometry in Advanced Intelligent Automotive Applications
	Mapping Road Safety Attributes: A Public-private Partnership between Road Authorities and Map Providers
	Navici AVL - Automatic Vehicle Location and Reporting Service
	Visual Odometry for Accurate Vehicle Localization - An Assistant for GPS Based Navigation
TP103_ Traveling Greater	Efficiency of Probe Data Acquisition through Vehicle-to-Vehicle Communication
Distance More Often with	Dynamic Freeway Path Travel Time Prediction Based on NPR Approach Using DSRC System Data
Advanced Traveler Systems	Efficient Traffic Data Collection - New Business Models for ITS Applications Connected to e-Freight
TD101 T 1 1 T 1	A Study on Improving Travel Time Prediction Method on Motorways
TP104_ Evaluation Tools and	A Study on the Economic Effects of Expressways in Korea
Strategies - Part (III)	Modeling Service Quality and Benefits of Multi-service Architectures in Road Transport Telematic Applications
	Efficiency in Expressway Operation Agency in Korea Integrating Ramp Signal, Intelligent Transport Systems & Network Performance Measurement
	Estimating the Economic Impact of the Busan ITS World Congress
	Perspective on Cost-Benefit Analysis for Intelligent Transport System Projects
	Technological Model for Application of Bridge Weight in Motion Technology to Inspection of Goods
TP105_ Public Transport: Use	Use of Systems Engineering for Public Transport ITS Projects: How Effective Is It?
of ITS	ITS Deployment in Johannesburg
	Cooperation between a Static Problem for Optimal Sequencing of Arrival Flights and a Linear Dynamic Model for Traffic
	Flow Estimation
	Economic Feasibility of Public Transportation - Bus, OLEV, Subway
	Flexible and Intelligent Tram
	Intelligent Traffic Systems Deployment on AnSan City
TP106_Wireless Technologies	5.9 GHz Dedicated Short Range Communications (DSRC) Standards Overview and Status
in ITS (II)	DSRC for Safer Transport - Data and Radio Communication Architectures for ITS
	Preliminary Study on Dynamic Bandwidth Reservation Using Road Layout and Bidirectional Navigator in Wireless
	Multimedia Networks Multime Pass atation Antonnes for SMART Highway
TP107 Environment Issues -	Multiple Base-station Antennas for SMART Highway Evaluation of Feasibility for NEV (Neighborhood Electric Vehicle) Operation according to Classification of Roads
Benefit Evaluation (II)	Available ITS Technology to Overcome Climate Change Risks, Nature Disasters
Benefit Evaluation (II)	In-Time: Intelligent and Efficient Travel Management for European Cities
TP108_ Cognition	Safe Road Trains for Environment: Human Factors' Aspects in Dual Mode Transport Systems
	Information Computing of Driving Decision Support Information Environment in IV
	Driver's Cognition of Human Presence in Far-infrared Images
	Analysis of Cognitive Characteristics for Automotive Augmented Reality Interface Systems
	The Assessment of Risky Driving Caused by the Amount of Time Focused on an In-vehicle Display System
TP109_ Funding Models;	ACTIF - A Tool for Conceptualizing Concrete Answers in the Challenge for Sustainable Mobility in Public Transportation
Pricing, Payment, Priorities	Economic Features of Safety-related Intelligent Transport Systems and Their Diffusion
	Dynamics in Urban Spaces
	How to Toll a Country for Free
	The Case for Fairness in Urban Congestion Mitigation and Emission Reduction Measures
	ITS Policy Models Development - The Base for Legislation of ITS Schemes

場次名稱	論文題目
TP110_ Vulnerable Users (I)	Study on Introduction of Korean Bicycle New Signal System (Bicycle Priority Signal) and its Effectiveness
Tring valuerable essens (r)	Study on Universal Design of the Bus Safety Zone for the Mobility-Handicapped
	Servey on Pedestrian Network Data Collection for Vulnerable Road Users
	Active Pedestrian Protection System, Project Review
	ITS for Vulnerable Road Users: The Use of Digital Maps for the Evaluation and Improvement of a Bicycle_network and
	Infrastructure
TP111_ Driver Capability	Real-time Estimation of Driver's Mental Workload Using Physiological Indexes
	Implementation of a Driver Aware Vehicle Using Multimodal Information
	Performance Based Specification for Heavy Vehicle Fatigue and Speed Monitoring
	Detecting Driver's Drowsiness Level Using Auto Adjust Scale
TD112 Emarganov	Estimating Probability of Automobile Accident from Driver's Reaction Time under Different Arousal States Application of Navigation System on the Cut Slope Management System in Korea
TP113_ Emergency Management & Access Control	Expressway Traffic Control System Reflecting the Risk of Large Scale Earthquakes
The state of the s	Traffic Control and Demand Management - Case Study of Bergamo, Bologna and Turin (Italy)
	A Design of Low Power Operable Parking Guidance System for Green Building
	Innovative Interagency Partnerships - The Mississippi MsTraffic-MED-COM Project
TP114_ Mapping and Emerging	A Study on the Necessary Map Related Data for ADAS and Other Emerging ITS Services
Communication Technology	eCoMove - Efficient Dynamics Approach to Sustainable CO2 Reduction
	A Collision Avoidance System based on Galileo Satellite
	A Knowledge Parallel Heuristic Search Algorithm in Ubiquitous Creativity System
	Development of "DSRC Safety Mobile Phone" for Pedestrian Using 5.8GHz DSRC Inter-Vehicle Communication
	Technology
	Recent Automatic Accident Recording System (AARS) in Korea
TP115_ Modeling and	Simulation Study of Active Traffic Management to Improve Freeway Mobility
Simulation (IV)	Analysis and Evaluation of Traffic Flow at Variable Speed Limit Using the Cell Transmission Model
	Comparative Study of Port Passenger Demand Estimation Techniques
TED116 D.1. 6G	Improvement of Port Entrance System Using RFID
TP116_ Role of Government in	Improvement on the Connection of Express Highways for the Preparation of Emergency Situation
Multi-modal Development Planning	Not in My Car! Political Perspectives on Intelligent Speed Adaptation
lammig	Co-modal ITS and ITS in Railways, Reflections from the Swedish Rail Administration after ITS World Congress in
	Stockholm 2009
TP120_ Environment and	Development of Monitoring System for Expressway Noise Management
Sustainability: Management	Intelligent Infrastructure Testing and Evaluation of Electric Vehicle Performance
	Simulation for Effective Operation of NEV (Neighbor Electric Vehicle)
	Global Intelligent Transportation System
TP121_ Data Management and	The ROADIDEA Data Mediation - Data Support for ITS Deployment
Traffic Information Integration	Making Accident Data Compatible with ITS-based Traffic Management: Turkish Case
	Study on the Theoretical System of Experimental Traffic Engineering Method
	Singapore Electronics Road Pricing System The new Dual-mode In-Vehicle Unit
	Singapore Traffic Information Platform: Enabling Traffic-Aware Applications & Systems
TD100 VII II VI (T)	Application of System Engineering to a Major Integrated Corridor Mobility Project
TP123_ Vulnerable Users (II)	The Green Man Plus System
	Navigation for Visually Impaired Persons Tracilities for the Elderly and Disabled
	Facilities for the Elderly and Disabled An Analysis of Segway Behavior Focusing on Safety Distance for Pedestrians and Gaze of Riders
	A Study on the Visibility of the Colored Bike Lanes
	Traffic Accident Prevention Using Image Processing Pedestrian Detectors
IS01_ Safety with Ubiquity	Driver Workload in Simulated Road Tunnels - Possible Implications for ITS Applications
	A Ubiquitous Structure Health Monitoring System of Seohae Bridge
	A Case of the Management of the Bridge under Flood Level Using the Mobile System
	Application of High Strength Concrete to Prestressed Concrete Bridge
	Fog Detection by Scattering and Absorption Properties of Particles
	Road Condition Estimation by Optical Property of Water: Absorption of Infrared Ray Energy and Reflection of Visible
	Ray
	Test Installation of Intelligence Systems for Accident Prevention at Railway Level Crossing
	Development of Road Assessment Program for Korea
	Design of a Large Bridge Maintenance, Management, Measurement and Monitoring System
	Road-side Multi-mode Radar System Concept for Obstacle Detection on the Various Road Conditions in the Highway
	Road-side Multi-Mode Radar System Concept for Obstacle Detection on the Various Road Conditions in the Highway
	Driver's Perception Reaction Time for Road Design Improvement of Upper Structure to Prevent Falls from High Sky
	Improvement of Upper Structure to Prevent Falls from High Sky Integrated Brocket Development for Efficient Management of Various CCTV Pan/Tilt
	Integrated Bracket Development for Efficient Management of Various CCTV Pan/Tilt Improvement of CCTV Housing Which IS Robust to External Environment
	Core Reduction Plan for Optical Network of ITS Equipment
	Remote System Development for Monitoring Power Condition of VMS
	Improvement for Compatibility and Standard of ITS Transmission Equipment
	VDS Measurement Data Monitoring Plans through Wireless Transmission
	Improvement of Sensor Error Correction of WIM Systems

場次名稱	論文題目
物人石榴	
	Remote System Development on Automatic Recovery of ITS Equipments Monitoring System for Highway Slope and Debris Flow Disaster Prevention
	Improvement of Road Safety from Debris Flow Disaster by Risk Evaluation
	Using Thermal Images to Identify and Track Big Animals to Avoid Car-animal Crash
	Partial Replacement Repairing Method for Aged Steel Box-girder Bridge and ITS Applicability
	Expressway Disaster Management Utilizing IT
	Cooperative Safety Systems in 2020
	Effectiveness of Incident Response Service on V2V Wireless Communication Systems
IS02_ Safety with Transparency	An ITS Solution Integrated to the IRT Architecture in Cape Town within the FP7 Project Stadium
	The Wireless Communication Requirements and Performance for Infra Sensor Based Unmanned Vehicle
	Development of Advisory Safety Speed Model Using Real-time Vehicle Data on Smart Highway
	Infrastructure-Oriented IntelliDriveSM Applications - IntelliDriveSM Pooled Fund Study Overview
	Implementation of L2 Handover Scheme in Vehicle Environment
	Construction of Runaway Vehicle Capturing System Applying LPR(License Plate Recognition)
	The Design of a Wireless Access in Vehicle Environments (WAVE) MAC Scheduler (WMS)
	Development of Traffic Operation Strategies at Non-signalized Intersections on V2I Wireless Communication Systems
	Safety Information Providing System for Intersection Environment by Using WAVE Study on Improvement and Operation of Data Registry for Reflecting Users' Need
	The Analysis of Installation & Interface Test for Developed Single-phase MJ81 Switch Point Machine
	Performance of Adaptive Channel Coordination Mechanism in WAVE System
	An Adaptive Handover Prediction Technique for Next-generation Navigation Systems
	A High Efficient Doherty Amplifier for Digital TRS Repeater Applications
	Development of the New National ITS Architecture of Korea
	Effectiveness of Freeway Non-stop Tolling Service on V2I Wireless Communication Systems
	Smart Intersection for ITS
	Experiences on Requirements Analysis of Railway Signaling Systems Based on Formal Methods
	The Vision of Applications of V2I Communication Based on DSRC in ITS
	Research on the Trend of ITS Standard in Korea
	The Certificate Management System for Commercial Vehicles Based on DSRC
	Modeling Driver's Advanced Lane Selection Behavior under V2V Communication Technology
	Expressway Management System on Utilizing Cutting-edge IT
	Implementation of Road Control Radar Signal Processing in Smart Highway
	Optimal Vehicle Speed Using Fuzzy Rules
	An Architectural Design of an Integrated Platform for U-City
1000 G 6	Verification of Method of Individual Lane Level Analysis for Signalized Intersections: A Case Study
IS03_ Safety with Trustability	Pre-study for New Model of Winter Road Maintenance in IRAN
	Challenges to Deployment of Cooperative Systems: White Paper for Deployment An Analysis Method for Probe Car System
	iTransport - A Discussion Paper on Transport Technology in Victoria
	The Macroscopic Methodologies for Analyzing the Impact of Various Congestion Pricing Strategies for Urban Freeway
	Research on Installing Smart Interchange to Improve Expressway Accessibility
	A Remodeling Plan for the Osan-Yangjae Section on the Gyeongbu Expressway
	Development of a Signalized Intersection Safety Evaluation Model Using Backpropagation Algorithm
	Introduction to Toll-booth Metering on Expressway
	Expressway Tunnel Fire Case Analysis: Effective Safety Improvement Planning
	An Effect Analysis of SMART-HIGHWAY Construction for Low CO2 & Green Growth
	Development of ITS Master Plans for Small and Medium-sized Cities: A Case Study of the City of Siheung
	A Complex Base Station Architecture Design for SMART-Highway
	Development of Web-based Flooding Evaluation System for Safe Operation of Bimodal Tram
	Development of High-tech Walking-aid system through unions of 2D barcode and braille block for the visually
	handicapped person
	Position and Orientation Estimations of Magnetically Guided-Articulated Vehicle
	Position and Orientation Estimations of Magnetically Guided-Articulated Vehicle
	Market Segmentation Modeling of Telematics Services for Urban Car Drivers Using Support Vector Machine Method
	A Study on the Improvement of Hi-pass Application Interface
	Effective Integration Strategy of Traffic Information: The Case of Seoul TOPIS
	A Link-based Label Correcting Multi-objective Shortest Paths Algorithm in Multimodal Transit Networks The Application of Risk Assessment for Railroad-tunnel Fire Incidents
	Study on Field Conditions for ITS Evaluation & Certification System for Vehicle Detecting System
	Safety Analysis of Toll Booth Operation at Osan Interchange
	Intelligent Transportation System (ITS) in Ulsan Metropolitan City
	Improving Ground Truth Measurement Using Microscopic Simulator for Urban Network
	Development of Simulation Test-bed of Uninterrupted Traffic Under Ubiquitous Transportation Environments
	Effective Ways for Quality Control and Performance Evaluation of VMS
	InteractIVe - High Precision Maps for Sustainable Accident Reduction with the Enhanced Dynamic Pass Predictor
IS04_ Convenience with	Smart Navigation - Potential and Real Benefits to Road Users and Society
Ubiquity	Computer System Expansion Scheme for Road Side Equipment
_ -	Small AM Omni-directional Antenna for the Vehicle Radio
	Design of CAN Component for an Eco-driving Service

場次名稱	論文題目
	A Study on the Fundamental Framework for the Railway IT Convergence
	Conceptualization of Ubiquitous Based Bicycle Services and its Adoptability
	A Novel ORTI Aware Debugging Environment for OSEK/VDX Systems
	Transportation Service by User Creative Contents
	Development of Multi-class Assignment for Real-time Transportation Information System Utilization of Road Data in Gear Shift Robot in Heavy Duty Vehicles A Study on the Connecting Methods of Traffic
	Information Using OPEN-API
	Relay Amplifier for and Method of Amplification for Actively Selecting Channels
	Performance Analysis of OFDM Based WAVE System in Vehicular Channel Environments
	A Study on the Security for a Vehicle Using TPM
	Concept Design of a Novel Park and Ride Service using 5.8GHz DSRC for ITS FOT in Kashiwa
	Energy Saving Route Guidance Using Altitude Information
	Proposal of MI WyNE Box for M-CubiTS Pedestrian WYSIWYAS Navigation Environments
	The Development of Wave Modem Chip Supporting IEEE 802.11p
	A Flexible Simulator for Cooperative Communication Systems in Vehicular Environment DATEX II: What's New in Location Referencing?
	A Study Protection of the Surge in the ITS
	Study on Multi-sensor Data Fusion of Highway Traffic Flow Detection Based on WSN
	Open-API Based Traffic Information Recommendation System Using Ontology
	High Resolution Long Range Radar with Small Aperture
	Maintenance & Operation System of Road Facility in Combination of Measurement Information Using GPS/INS
	Equipments, GIS and Real-time Video Image Information
	A Combined Reader Selection Method for Positioning Accuracy Improvement in Indoor WLAN Environments
	Vehicular antennas for Intelligent Transportation System Bus Information System Deployment on Sun-Cheon City
	Monitoring of Road Surface Status Using a Passive Millimeter Wave Sensor
IS05_ Convenience with	Networking on the Internet - A Pilot is "Going Europe"
Transparency	Fraud & Manipulation
	Hot Origin-destination Area Estimation by Using Taxi GPS Data
	Categorization of Vehicles with New Specification Utilizing Vehicle Number Recognition of TCS
	GINA -GNSS for Innovative Road Applications- : The Adoption of EGNOS / GALILEO for Road User Charging and
	Value Added Services for the Road Sector
	Facility Management Using Remote Monitoring System A Study on the Electronic Parking Payment System by Applying ETC Technologies
	A Study on the Development of ETCS OBU for Toll-Discounted Vehicles
	Toll Discount System with ETC
	Research of Evaluation Method for Nomadic Device Application at Intermodal Connectivity and Transfer Service Center
	Research of Evaluation Method for Nomadic Device Application at Intermodal Connectivity and Transfer Service Center DBMS Development for the Utilization of Railway Safety R&D Results
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS)
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road Definition of Requirements and Functions for SMART Tolling System A Study of Developing Integrated Management System for the Smart Tolling System
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road Definition of Requirements and Functions for SMART Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study on the Application of Radio Frequency Identification (RFID) to an Air Cargo Terminal
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road Definition of Requirements and Functions for SMART Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study on the Application of Radio Frequency Identification (RFID) to an Air Cargo Terminal For Whom, the Road Tolls? Time to Put the Customer First
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road Definition of Requirements and Functions for SMART Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study on the Application of Radio Frequency Identification (RFID) to an Air Cargo Terminal For Whom, the Road Tolls? Time to Put the Customer First A Study of Correction of National Highway ITS Decision Algorithm for Traffic Flow with Deteriorated Weather
ISO6 Convenience with	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road Definition of Requirements and Functions for SMART Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study on the Application of Radio Frequency Identification (RFID) to an Air Cargo Terminal For Whom, the Road Tolls? Time to Put the Customer First A Study of Correction of National Highway ITS Decision Algorithm for Traffic Flow with Deteriorated Weather Considered
IS06_ Convenience with Trustability	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road Definition of Requirements and Functions for SMART Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study on the Application of Radio Frequency Identification (RFID) to an Air Cargo Terminal For Whom, the Road Tolls? Time to Put the Customer First A Study of Correction of National Highway ITS Decision Algorithm for Traffic Flow with Deteriorated Weather Considered Driving Assistance System Using Brake Control in Conjunction with Car Navigation System
IS06_ Convenience with Trustability	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road Definition of Requirements and Functions for SMART Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study on the Application of Radio Frequency Identification (RFID) to an Air Cargo Terminal For Whom, the Road Tolls? Time to Put the Customer First A Study of Correction of National Highway ITS Decision Algorithm for Traffic Flow with Deteriorated Weather Considered Driving Assistance System Using Brake Control in Conjunction with Car Navigation System Offline Optimization of Curve Speed Warning Applications
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road Definition of Requirements and Functions for SMART Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study on the Application of Radio Frequency Identification (RFID) to an Air Cargo Terminal For Whom, the Road Tolls? Time to Put the Customer First A Study of Correction of National Highway ITS Decision Algorithm for Traffic Flow with Deteriorated Weather Considered Driving Assistance System Using Brake Control in Conjunction with Car Navigation System
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road Definition of Requirements and Functions for SMART Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study on the Application of Radio Frequency Identification (RFID) to an Air Cargo Terminal For Whom, the Road Tolls? Time to Put the Customer First A Study of Correction of National Highway ITS Decision Algorithm for Traffic Flow with Deteriorated Weather Considered Driving Assistance System Using Brake Control in Conjunction with Car Navigation System Offline Optimization of Curve Speed Warning Applications Operating Platoons on Public Motorways: An Introduction to the SARTRE Platooning Programme
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road Definition of Requirements and Functions for SMART Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study of Correction of National Highway ITS Decision Algorithm for Traffic Flow with Deteriorated Weather Considered Driving Assistance System Using Brake Control in Conjunction with Car Navigation System Offline Optimization of Curve Speed Warning Applications Operating Platoons on Public Motorways: An Introduction to the SARTRE Platooning Programme A Path Travel Time Estimation on Expressways Using TCS and VDS Link Data Platooning Control Based on Two-layer Controller An Unscented Kalman Filter based Motion Stereo Method for a Wide-Angle Camera
	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road Definition of Requirements and Functions for SMART Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study on the Application of Radio Frequency Identification (RFID) to an Air Cargo Terminal For Whom, the Road Tolls? Time to Put the Customer First A Study of Correction of National Highway ITS Decision Algorithm for Traffic Flow with Deteriorated Weather Considered Driving Assistance System Using Brake Control in Conjunction with Car Navigation System Offline Optimization of Curve Speed Warning Applications Operating Platoons on Public Motorways: An Introduction to the SARTRE Platooning Programme A Path Travel Time Estimation on Expressways Using TCS and VDS Link Data Platooning Control Based on Two-layer Controller An Unscented Kalman Filter based Motion Stereo Method for a Wide-Angle Camera Adaptive Forward Ligh
_	DBMS Development for the Utilization of Railway Safety R&D Results DAB Dynamic Traffic Information Broadcasting System of Hefei, China An Improvement of Toll Collection System by Classifying Micro Cars Forecast on the Demand of Ubiquitous Information Sensor Centering on Ubiquitous Vehicle Sensor (UVS) Improvement of Efficient Vehicle Monitoring on Hipass Lanes Improvement for Express Highway Hipass Use of Freight Transportation Vehicles On an Providing Additional Information for UTIS CNS Automatic Control Algorithm of Variable Message Sign for the Active Detour Traffic Information Traffic Monitoring System and More in Jeju Analysis of Travel Time Characteristic of Multiple Vehicle Classes Based on License Plate Recognition System Construction of Chinese Highway Emergency Communication Support System The Importance of Electronic Toll Collection Lane Configuration Mode and Solutio A necessity and concept of Tourism ITS from the NAGASAKI EV&ITS Project Analysis of DSRC-based Traffic Information Sample Size in Metropolitan Area Development of a Traffic Information Display System Using CCTV Technique for Automatically Issuing Tax Invoices for Using a Toll Road Definition of Requirements and Functions for SMART Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study of Developing Integrated Management System for the Smart Tolling System A Study of Correction of National Highway ITS Decision Algorithm for Traffic Flow with Deteriorated Weather Considered Driving Assistance System Using Brake Control in Conjunction with Car Navigation System Offline Optimization of Curve Speed Warning Applications Operating Platoons on Public Motorways: An Introduction to the SARTRE Platooning Programme A Path Travel Time Estimation on Expressways Using TCS and VDS Link Data Platooning Control Based on Two-layer Controller An Unscented Kalman Filter based Motion Stereo Method for a Wide-Angle Camera

場次名稱 Design/Construction of New Green Transit System Bimodal Tram Evaluation of a Vehicle Mounted Stereo Camera System for Distance Measurement and Obs A Study on Road Control Radar System in Smart Highway Real Time Lane-mark Detection System Based on Directional Edge-link Features Speed Control for Precision Stop of Bimodal-tram Security Upgrades on Turkish Card-based Toll Collection System Measurement on RCS Backscattering from the Scaled Road Surface and Obstacle Using 9.4 Improvement of Driver Recognition on Hipass Lanes Visualizing Knowledge Domains of Transportation: A case Study of Intelligent Transportation Travel Time Estimation with Transfer Function Technique and Data Fusion	GHz Instrument Radar
A Study on Road Control Radar System in Smart Highway Real Time Lane-mark Detection System Based on Directional Edge-link Features Speed Control for Precision Stop of Bimodal-tram Security Upgrades on Turkish Card-based Toll Collection System Measurement on RCS Backscattering from the Scaled Road Surface and Obstacle Using 9.4 Improvement of Driver Recognition on Hipass Lanes Visualizing Knowledge Domains of Transportation: A case Study of Intelligent Transportation. Travel Time Estimation with Transfer Function Technique and Data Fusion	GHz Instrument Radar
Real Time Lane-mark Detection System Based on Directional Edge-link Features Speed Control for Precision Stop of Bimodal-tram Security Upgrades on Turkish Card-based Toll Collection System Measurement on RCS Backscattering from the Scaled Road Surface and Obstacle Using 9.4 Improvement of Driver Recognition on Hipass Lanes Visualizing Knowledge Domains of Transportation: A case Study of Intelligent Transportation. Travel Time Estimation with Transfer Function Technique and Data Fusion	
Speed Control for Precision Stop of Bimodal-tram Security Upgrades on Turkish Card-based Toll Collection System Measurement on RCS Backscattering from the Scaled Road Surface and Obstacle Using 9.4 Improvement of Driver Recognition on Hipass Lanes Visualizing Knowledge Domains of Transportation: A case Study of Intelligent Transportation. Travel Time Estimation with Transfer Function Technique and Data Fusion	
Security Upgrades on Turkish Card-based Toll Collection System Measurement on RCS Backscattering from the Scaled Road Surface and Obstacle Using 9.4 Improvement of Driver Recognition on Hipass Lanes Visualizing Knowledge Domains of Transportation: A case Study of Intelligent Transportation. Travel Time Estimation with Transfer Function Technique and Data Fusion	
Measurement on RCS Backscattering from the Scaled Road Surface and Obstacle Using 9.4 Improvement of Driver Recognition on Hipass Lanes Visualizing Knowledge Domains of Transportation: A case Study of Intelligent Transportation Travel Time Estimation with Transfer Function Technique and Data Fusion	
Visualizing Knowledge Domains of Transportation: A case Study of Intelligent Transportation Travel Time Estimation with Transfer Function Technique and Data Fusion	
Travel Time Estimation with Transfer Function Technique and Data Fusion	
	on System in Taiwan
SDU-APTSS: A Middlleware-based Approach to Advanced Public Transportation System	
A Case Study of Fire Risk Analysis for Guide Way Transit Passenger Coach	
An Analysis of Saccadic Eye Movement Using FFT for Assessing Vigilance Levels during S	Simulated Driving
Research on Fuzzy Logic Sliding Mode Variable Structure Control of Automated Vehicle Cl	lutch
Improving Legibility and Energy Efficiency of Variable Message Sign(VMS)	1D' -1 D 1 1
A Research on Application of RFID to the Unified Tolling System of Publicly-Funded Exp. Ones	ressways and Privately-Funded
A Meta-Heuristic Approach for On-line Travelling Repairman Problem - A Case Study of Si	ignal Repair Problems
A Study on the Effects of Driving Conditions and Preferred Media on Diversion	8
Design of 5.8GHz Patch Array Antenna for Traffic Management Roadside Equipment (Base	
A Study on Services for the Smart Information & Traffic Management System of a Smart H	
ISO7_ Green Mobility with Ubiquity Implementing Road Maintenance Machineries Management System Based on GPS and GPI Implementing Visual Monitoring System in Iran Roads Network	RS Technologies in Iran
Freeway Guidance System Design Based on Meteorological Information	
Traffic Accident Migration Depending on the Operation of Automatic Traffic Enforcement 1	Equipment
Video Image Control Apparatus with Integrated Controlling and Monitoring Means for ITS	
Effective Ways to Build Image Incident Detection System in Tunnel	
Detection Improvement Strategy through Reforming Constructions of VDS Using Image Ar	nalysis
A Case Study of Construction on ITS Evaluation & Certification System	
A Decision Support System for Winter Road Maintenance Developing a Decision Support System for Transportation Policy on Expressways Using Sk	etch Planning
A Control Method of High Resolution CMOS Sensor for Multi-lanes LPRS (License Plate F	
Multi-lanes Traffic Information Collection by Extracting Multi-features of a Vehicle	
Development of Traffic Situation Map for Expressway	
Development of Mobile Device for Vehicle to Monitor GHGs Emission	
Development of ITS Countermeasures for Traffic Safety in Frequently Foggy Areas	. D.
Approach to Estimate Vehicle Emission on Motorway Using Electronic Toll Collection Syst Research on Weather Detection Technology of Traffic Video	tem Data
Driver Behivor Under the Green Signal Countdown Information	
Advanced Low-carbon Traffic Management System Based on Ubiquitous Transportation Se	ensor Network (u-TSN)
Construction of Traffic Management System for Incheon Bridge Using ITS	
Freeway Work Zone Simulation Model Development	
The Research of IC Card Certificate of Commercial Vehicle Enforcement Equipment Based	
The Effect of FDWS(Fog Detect & Warning System) on Speed by Visibility Distance Level Development of a Visibility Meter Using Infrared LE	
A Case Study of Intelligent Traffic System Operation and Construction of Video System of	Maintenance Vehicle
Novel Parking Information Concepts Enrich Traffic Information Services	TAME TO THE TOTAL THE TOTAL TO THE TOTAL TOT
Interoperability Requirements of Digitally Signed Videos in Traffic	
A Study on the Standardization Method of Layer7 Interface based on the 5.8GHz D	OSRC Transmission of Traffic
Information A Study of Suitshillty Verification Method of Vericus Medium Windows Communications	via Vahiala Tampinal and Tagt
A Study of Suitability Verification Method of Various Medium Wireless Communications Environment Construction	via venicie ferminai and fest
A Case Study of the Digital Image System for the Intelligent Transport Systems	
A Vehicle Recommend Speed Study Using RWIS(Road Weather Information System) at the	Eulsukdo-Bridge in Busan
ISO8_ Green Mobility with Treatment of Metals from Expressway Stormwater Runoff Using Zeolite Filtration	
Transparency Minimizing Operation Error of ETCS through OBU Certification	
A Study on a Cell-based Location Determination System in Wireless LAN Research of Communication and Positioning Technology for Establishment of Intermoderation and Intermode	dal Connectivity and Transfer
Service Environment	dai Connectivity and Transfer
An Application of Smart Card Data for the Behaviour Analysis on Public Transit Users	
A Development of Hybrid Position System Model for Nomadic Device at Indoors & Outdoo	
A Performance Analysis of WiFi-based Real Time Location Technology for Locationbased	Service
Human Behaviors Analysis at or Near Public Transportation Asset	
Vision Based System for Pedestrian Detection and Crowd Congestion Analysis Accuracy Improvement of Estimated Bus Arrival Time based on the Second City BIS/BMS	
Accuracy Improvement of Estimated Bus Arrival Time based on the Seoul City BIS/BMS A Study on the Requirement Management System for the Railway Safety	
SMART FREIGHT: Smart Freight Transport in Urban Areas	
Public Transporation Information System Personalized by the Remote Control	
Study on Operation Control System of Bimodal Tram	

Operation An Integrated Material Management Information System for Bus Storage Industries A Study on the Development of Road Transport Sector GHG Emission Model as Road Type A Study on the GO2 Emissions Inventory Making from Road Freight Transport of Logistics Company A Study on the GHG Emissions Inventory Making from Road Transport Sector A Study on the Development of Driving Cycle Mode as Road Type and Class Using the Digital Tachometer Information A Study on the Analysis of GHG Reduction Effect from Road Transport Sector Using VIMS Data Investigation of Flow Behavior in the Railway Tunnel Mock-up Using PIV Proposed Demand Responsive Bus Services in the City of Gimhae Effect of Urban Road Design Depending of Road Heat Island ITS Trends and Directions for Advancement Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pase(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Bed Information by using Hi-Pase(DSRC) Technology Necessity of Simultaneous Bed Information by System in Tunnel Improving Space-mean Speed Information of System in Tunnel A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Constru	場次名稱	論文題目			
Application of Green Traffic Technology Based on ITS Using Spatial Information and Wireless Technology to Develop Real Time Management System for Commercial Vehicle Operation An Integrated Material Management Information System for Bus Storage Industries A Study on the Development of Road Transport Sector GHG Emission Model as Road Type A Study on the Development of Road Transport Sector GHG Emission Model as Road Type A Study on the GHG Emissions Inventory Making from Road Freight Transport of Logistics Company A Study on the GHG Emissions Inventory Making from Road Freight Transport of Logistics Company A Study on the Analysis of GHG Reduction Effect from Road Transport Sector Using VIMS Data Investigation of Flow Behavior in the Railway Tunnel Mock-up Using PIV Proposed Demand Responsive Bus Services in the City of Gimbae Effect of Urban Road Design Depending of Road Heat Island ITS Trends and Directions for Advancement Implementing Fars' Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aeral Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass/DSNSC/ Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Section of Relieving Traffic Congestion in the A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Algorithms		Accuracy Improvement of Real-time Passenger Information Using the Zigbee Communication			
Using Spatial Information and Wireless Technology to Develop Real Time Management System for Commercial Vehicle Opperation An Integrated Material Management Information System for Bus Storage Industries A Study on the Development of Road Transport Sector GHG Emission Model as Road Type A Study on the CO2 Emissions Inventory Making from Road Preight Transport of Logistics Company A Study on the Development of Driving Cycle Mode as Road Type and Class Using the Digital Tachometer Information A Study on the Development of Driving Cycle Mode as Road Type and Class Using the Digital Tachometer Information A Study on the Development of Driving Cycle Mode as Road Type and Class Using the Digital Tachometer Information A Study on the Development of Driving Cycle Mode as Road Type and Class Using the Digital Tachometer Information A Study on the Development of Investigation of Investigation of Flow Behavior in the Railway Tunnel Mode-up Using PIV Proposed Demand Responsive Bus Services in the City of Gimhae Effect of Urban Road Directions for Advancement ITS Trends and Directions for Advancement ITS Trends and Directions for Advancement ITS Trends and Directions for Advancement Implementing Iran's Road Information and Traffic Management Center (RITMC) Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase I. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Arial Images and a Digital Map A Study on Application of Airship Traffic Collecting System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC		Bus Position Tracking Method through Link-based Map-matching			
Operation An Integrated Material Management Information System for Bus Storage Industries A Study on the Development of Road Transport Sector GHG Emission Model as Road Type A Study on the GO2 Emissions Inventory Making from Road Freight Transport of Logistics Company A Study on the GHG Emissions Inventory Making from Road Transport Sector A Study on the Development of Driving Cycle Mode as Road Type and Class Using the Digital Tachometer Information A Study on the Analysis of GHG Reduction Effect from Road Transport Sector Using VIMS Data Investigation of Flow Behavior in the Railway Tunnel Mock-up Using PIV Proposed Demand Responsive Bus Services in the City of Gimhae Effect of Urban Road Design Depending of Road Heat Island ITS Trends and Directions for Advancement Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pase(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Bed Information by using Hi-Pase(DSRC) Technology Necessity of Simultaneous Bed Information by System in Tunnel Improving Space-mean Speed Information of System in Tunnel A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Constru		Application of Green Traffic Technology Based on ITS			
As Integrated Material Management Information System for Bus Storage Industries A Study on the Development of Road Transport Sector GHG Emission Model as Road Type A Study on the CGI2 Emissions Inventory Making from Road Transport of Logistics Company A Study on the GHG Emissions Inventory Making from Road Transport Sector A Study on the Development of Driving Cycle Mode as Road Type and Class Using the Digital Tachometer Information A Study on the Development of Driving Cycle Mode as Road Type and Class Using the Digital Tachometer Information A Study on the Analysis of GHG Reduction Effect from Road Transport Sector Using VIMS Data Investigation of Flow Behavior in the Railway Tunnel Mock-up Using PIV Proposed Demand Responsive Bus Services in the City of Gimhae Effect of Urban Road Design Depending of Road Heat Island ITS Trends and Directions for Advancement Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Refieving Traffic Congestion in the Secope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation o		Using Spatial Information and Wireless Technology to Develop Real Time Management System for Commercial Vehicle			
A Study on the Development of Road Transport Sector GHG Emission Model as Road Type A Study on the GCO2 Emissions Inventory Making from Road Freight Transport of Logistics Company A Study on the Development of Driving Cycle Mode as Road Type and Class Using the Bigital Tachometer Information A Study on the Analysis of GHG Reduction Effect from Road Transport Sector Using VIMS Data Investigation of Flow Behavior in the Railway Tunnel Mock-up Using PIV Proposed Demand Responsive Bus Services in the City of Gimthe Effect of Urban Road Design Depending of Road Heat Island ITS Trends and Directions for Advancement Implementing Fars' Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transier Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expr		Operation			
A Study on the CO2 Emissions Inventory Making from Road Treight Transport of Logistics Company A Study on the GHG Emissions Inventory Making from Road Transport Sector A Study on the Development of Driving Cycle Mode as Road Typa and Class Using the Digital Tachometer Information A Study on the Analysis of GHG Reduction Effect from Road Transport Sector Using VIMS Data Investigation of Flow Behavior in the Railway Tunnel Mock-up Using PIV Proposed Demand Responsive Bus Services in the City of Gimhae Effect of Urban Road Design Depending of Road Heat Island ITS Trends and Directions for Advancement Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Inages and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Space Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tran Algorithms for Generation of Traveler-customized Tipp Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic					
A Study on the GHG Emissions Inventory Making From Road Transport Sector A Study on the Development of Driving Cycle Mode as Road Type and Class Using the Digital Tachometer Information A Study on the Analysis of GHG Reduction Effect from Road Transport Sector Using VIMS Data Investigation of Flow Behavior in the Railway Tunnel Mock-up Using PIV Proposed Demand Responsive Bus Services in the City of Gimhae Effect of Urban Road Design Depending of Road Heat Island ITS Trends and Directions for Advancement Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase I. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transife Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Applicat		A Study on the Development of Road Transport Sector GHG Emission Model as Road Type			
A Study on the Development of Driving Cycle Mode as Road Type and Class Using the Digital Tachometer Information A Study on the Analysis of GHG Reduction Effect from Road Transport Sector Using VIMS Data Investigation of Flow Behavior in the Railway Tunnel Mock-up Using PIV Proposed Demand Responsive Bus Services in the City of Gimhae Effect of Urban Road Design Depending of Road Heat Island ITS Trends and Directions for Advancement Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Space Hormation by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Indused to Domestic Terminal in Gimpo Airport) A Study on Real-time Intermo		A Study on the CO2 Emissions Inventory Making from Road Freight Transport of Logistics Company			
A Study on the Analysis of GHG Reduction Effect from Road Transport Sector Using VIMS Data Investigation of Flow Behavior in the Railway Tunnel Mock-up Using PIV Proposed Demand Responsive Bus Services in the City of Gimbae Effect of Urban Road Design Depending of Road Heat Island ITS Trends and Directions for Advancement Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Treeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System in Tunnel Improving Space-mean Speed Information by using Hi-Pass (DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC obsord Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector Tis Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before an					
Investigation of Flow Behavior in the Railway Tunnel Mock-up Using PIV Proposed Demand Responsive Bus Services in the City of Ginhale Effect of Urban Road Design Depending of Road Heat Island ITS Trends and Directions for Advancement Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ET/OJSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan Casaed on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamen		A Study on the Development of Driving Cycle Mode as Road Type and Class Using the Digital Tachometer Information			
Proposed Demand Responsive Bus Services in the City of Gimhae Effect of Urban Road Design Depending of Road Heat Island ITS Trends and Directions for Advancement Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Day		A Study on the Analysis of GHG Reduction Effect from Road Transport Sector Using VIMS Data			
Effect of Urban Road Design Depending of Road Heat Island ITS Trends and Directions for Advancement IS09_ Green Mobility with Trustability Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections		Investigation of Flow Behavior in the Railway Tunnel Mock-up Using PIV			
ITS Trends and Directions for Advancement Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for E		Proposed Demand Responsive Bus Services in the City of Gimhae			
Implementing Iran's Road Information and Traffic Management Center (RITMC) Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - C		Effect of Urban Road Design Depending of Road Heat Island			
Trustability Speed Management Using Real-Time Traffic Counting System to Improve Road Safety in Iran Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector TITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Ba		ITS Trends and Directions for Advancement			
Development of Reference Standards for Evaluating Traffic Detectors Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using STISA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)	IS09_ Green Mobility with	Implementing Iran's Road Information and Traffic Management Center (RITMC)			
Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1. Car Following Behavioral Threshold in Long Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)	Trustability				
Car Following Behavioral Threshold in Log Tunnel A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using STTSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Development of Reference Standards for Evaluating Traffic Detectors			
A Policy for the Active Management of Freeways A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Accelerated Delivery of Managed Motorways: Birminghambox Phrase 1.			
A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Car Following Behavioral Threshold in Long Tunnel			
Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		A Policy for the Active Management of Freeways			
Method of Registering a Time Sequence of Aerial Images and a Digital Map A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		A Real Time Video Surveillance with Vehicle Tracking System for Measuring Traffic Parameters			
A Study on Application of Airship Traffic Collecting System Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Using SITSA-C to Define Functionality and Organisation of National Traffic Management Centre			
Effective Ways to Build Image Incident Detection System in Tunnel Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Method of Registering a Time Sequence of Aerial Images and a Digital Map			
Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		A Study on Application of Airship Traffic Collecting System			
Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Effective Ways to Build Image Incident Detection System in Tunnel			
Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Improving Space-mean Speed Information by using Hi-Pass(DSRC) Technology			
A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Necessity of Pedestrian Detection based on Images for Design and Management of Transit Center			
Construction of Wireless Controlled PSD of Smart Station for Bimodal Tram Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Initiatives for Simultaneous Setup of ETC/DSRC onboard Equipment			
Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport) A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		A Coordinated Control Strategy Used for Relieving Traffic Congestion in the Scope of Exit-ramp of the Expressway			
A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)					
Detector ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Algorithms for Generation of Traveler-customized Trip Plan (based on Domestic Terminal in Gimpo Airport)			
ITS Based Traffic Management Systems of the Incheon Bridge Expresswa Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		A Study on Real-time Intermodal Transfer Information Design and Development of Urban Traffic Video Integrated			
Development of Low Height Road Lighting Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Detector			
Intelligent Transportation System in Jordan Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)					
Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Development of Low Height Road Lighting			
Expressway Monitoring System Utilizing Digital CCTV Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)					
Comparative Assessment of Impacts Before and After Opening ITS Service Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Effect of "Count-Down Timer Display" Application on Reduction of Start Delay at Signalized Intersections			
Fundamental Study on Road Snow Melting and Tunnel Daylighting System A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Expressway Monitoring System Utilizing Digital CCTV			
A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		Comparative Assessment of Impacts Before and After Opening ITS Service			
(CVM) A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)					
A Study for Executive BMS - Case of Daegu Metropolitan City BMS Study on Traffic Information System Using DSRC (Based on Expressway)		A Study on Estimating the Benefits by Pedestrian Environment Improvements by Use of Contingent Valuation Method (CVM)			
Study on Traffic Information System Using DSRC (Based on Expressway)					
		, i			
		Green Traffic Information System in the Master Plan of ITS Development on Suncheon City			

附錄2、參加展覽單位及廠商清單

Aisin AW Co., Ltd.	European ITS Congress	Highway Industry Development Organization - HIDO	Nara Controls Inc.
Aisin Seiki Co., Ltd.	ERTICO - ITS Europe	TO THE PROPERTY OF THE PROPERT	NewCom Technology Co., Ltd.
Alcatel-Lucent	Brintex	East Nippon Expressway	NIS GLONASS
Arada Systems	European Pavilion	Company - NEXCO-E	Noptel
ARH Inc.	ERTICO - ITS Europe	Central Nippon Expressway	OCTACOMM
Asiana IDT Inc.	TISA - Traveller Information	Company - NEXCO-C	OMN/UUAE Electrical Research Institute
ATEC Co., Ltd.	Services Association	West Nippon Expressway	Panasonic Corporation
AustriaTech GmbH	C-S	Company - NEXCO-W	Parkor Korea Indus Co., Ltd.
Siemens AG Österreich	ITS Finland	Metropolitan Expressway Company	Pohang Techno Park
Avego Ltd.	Trafi - Finnish Transport Safety	Hanshin Expressway Company	Posco ICT
BasisSoft Inc.	Agency	Mitsubishi Electric	PTV AG
Bitcarrier	Finnish Transport Agency	IHI	Ritco
Busan International Motor Show 2012	VTT - Technical research centre	VeriServe	Road Korea
- BIMOS 2012	of Finland	JAFMATE	Road Traffic Authority
Busan Metropolitan City	ITS Sweden	CBC	RTA & NICTA
Busan Port Authority	Swedish Transport Administration	Ikegami Tsushinki	Road Traffic Authority Australia
Canada Pavilion	ITS Council	KDDI R&D Laboratories	National ICT Australia
Delcan Corporation	EasyWay / VIKING	Ministry of Land, Infrastructure,	ITS Australia
IBI Group	Logica	Transportation and Tourism	Sensis
International Road Dynamics	NetPort Karlshamn AB	Jeast Networks Korea, Inc.	Samsung SDS
ITS Canada	ITS Dalarna	Jeju Knowledge Industry	SAMWON FA Co., Ltd.
	Sweco	Promotion Agency	Seoul Commtech Co., Ltd.
Ontario Ministry of Economy Development and Trade		Jeju Special Self-Governing Province	
2214 71 44 72	Sensys ITS Posternel unto School	JENOPTIK Robot GrobH	Shanghai Ruishi Machine Vision
Skymeter Corporation	ITS Postgraduate School		Technology Co., Ltd.
Transport Canada	ITS Norway	JINSUNG I&T	Shanghai Super Electronics Technology
CCTV Pavilion	Firefly AB	Kapsch TrafficCom AG	Showcase
HuNS	Flow Traffic Limited	Keon-A Information Technology	Signtelecom Co., Ltd.
INTOTECH	Forum 8 Seoul Office	Co., Ltd.	SK C&C
COMINET	Fujitsu Limited	KI Technology Co., Ltd.	SOLTECH Co., Ltd.
TRUEN Co., Ltd	Fujitsu Ten Limited	KICT - Korea Institute of Construction	STMicroelectronics
COMART SYSTEM CO., LTD	GBM Inc.	Kistler Korea Co., Ltd.	Suhdol Electronic & Communication
Center for Urban Maglev Program	GEO C&I Co., Ltd.	KNE Corporation	Company
- KIMM	GEWI	Korea Electronics Technology Institute	SUJIROADTECH Co., Ltd.
China Pavilion	GIL Information Systems	Korea Expressway Corporation	Sumitomo Electric Industries, Ltd.
ITS China	Gitsn Inc.	Korea Land & Housing Corporation	SurgeLAB
CenNavi Technologies Co., Ltd.	Globaltelecom Ltd.	Korea Rail Network Authority	Thinkware
Hanwang Technology Co., Ltd.	Hanil Display Co., Ltd.	Korea Railroad Research Institute	TOPES Co., Ltd.
Neusoft Corporation	Hitecomsystem Co., Ltd.	Korea Traffic Systems Co., Ltd.	Toshiba Corporation
Hisense TransTech Co., Ltd	HMI Technologies Ltd	Korea Transportation Safety Authority	Toyota Motor Corporation
Zhejiang Dahua Technology Co., Ltd.		KOTI - The Korea Transport Institute	Tricomtck Co., Ltd.
Shanghai Donghai Computer Co., Ltd.	Hyundai & KIA Motor	KRIHS - Korea Research Institute	TSS
CHUNIL RF Co., Ltd.	IBEO Automotive Systems GmbH	for Human Settlements	TTI - Traffic Technology International
Citilog	IBM	KT	UBIZCORE CORPORATION
Continental Automotive Asia Pacific	CONTRACTOR OF THE PROPERTY OF	K-water	Ulsan Metropolitan City
Co., Ltd.	Innosimulation, Inc.	LBCSOFT Corp.	Un-Nam Trading Co., Ltd.
CREVIS	Inpeg Vision Co., Ltd.	LG CNS Co., Ltd.	US Pavilion
DAEYEONG UBITEX Co., Ltd.	A No. of the Annual Conference of the Conference	Lifetech Inc.	
	International Road & Traffic Expo 2011 - ROTREX 2011	LOTTE Data Communication Co. Ltd.	Eberle Design, Inc.
Daihan Motors			Econolite
DB CS	iT telecom Co., Ltd.	LS Industrial Systems	ITS America
Denso Corporation	Itronics	M&Soft, Inc.	OSI LaserScan
DILAB	ITS Bank Co., Ltd.	Magus Trading Corporation	U. S. Department of Transportation
DLR - German Aerospace Center	ITS Korea	MapsiSoft Inc.	Wavetronix
EFKON AG	ITS Singapore	MatterSoft	Vaisala Oyj
ELP Co., Ltd.	ITS Taiwan	Maxfor Technology Inc.	Vitronic
ENARUTNT Co., Ltd.	Japan Pavilion	MediaDevices Co., Ltd.	Vitzrosys Co., Ltd.
ERF-IRF	ITS Japan	MIKOH	World IT Show 2011 - WIS 2011
Ericsson	Universal Traffic Management	Ministry of Land, Transport and	Yeo Myung Systems
ESRI	Society of Japan - UTMS	Maritime Affairs	YONGSUNG HighTECH Co., Ltd.
Essetel	Tokyo Metropolitan Government	Mitsubishi Heavy Industries, Ltd.	Yujin System Co., Ltd.
ETRI - Electronics and	Nagasaki Prefecture	Moru Industrial Systems	
Telecommunications Research Institute	Vehicle Information and	Movon Corporation	
	Communication System Center-VICS	MYbi	