

General Conference on Weights and Measures (CGPM)

Palais des Congrès, Versailles
Friday 16th November 2018

Open session to consider the redefinition of the SI base units.

8:30 - Start of session

Opening of the session

Sébastien Candel (*Président de l'Académie des Sciences*)/Barry Inglis (CIPM President)

Progress towards a redefinition of the SI and report from the CCU

Joachim Ullrich (CIPM Vice-President)

Achievements in the measurement of k and report from the CCT

Yuning Duan (CIPM)

Achievements with the quantum electrical effects and report from the CCEM

Gert Rietveld (CIPM)

Achievements in the measurement of h and report from the CCM

Philippe Richard (CIPM)

Questions and discussion followed by coffee

10:50 - Start of webcast

Keynote lectures

"The quantum Hall effect and the revised SI"

Klaus von Klitzing (Nobel laureate, Max Planck Institute, Stuttgart)

"The role of the Planck constant in physics"

Jean-Philippe Uzan (*Centre national de la recherche scientifique (CNRS)*, Paris)

"Optical atomic clocks – opening new perspectives on the quantum world"

Jun Ye (JILA, Boulder)

"Measuring with fundamental constants; how the revised SI will work"

Bill Phillips (Nobel laureate, NIST, Gaithersburg)

Introduction to the Resolution "On the revision of the International System of Units (SI)"

Martin Milton (BIPM Director)

Voting on Draft Resolution A and closing remarks

Barry Inglis

13:25 - End of session

In order to provide the opportunity for a wider audience to be part of this event, the session will be open to a limited number of ticket holders. Tickets will be available from the BIPM.

In addition, the lectures by the Keynote Speakers and the voting on the proposed resolution will be transmitted as a webcast. Further information will be available from the BIPM website.