

Symposium to celebrate the centenary of the award of the Nobel Prize in Physics to **Charles-Édouard Guillaume**

Saturday 17 October 2020 – 09:30 – 13:00

To follow the Symposium on-line, please register [here](#)

To attend the Symposium at the BIPM (limited seats available), please register [here](#)

This year will mark the centenary of the award of the Nobel Prize in Physics to Charles-Édouard Guillaume (1861-1938). He was born into a watchmaking family in Fleurier, Switzerland. He dedicated more than half a century to metrology through his work at the International Bureau of Weights and Measures (BIPM). His major study of the properties of nickel-iron alloys spanned more than twenty-five years and not only revolutionized geodesy measurements but also chronometry and precision horology; numerous applications still exist for these alloys. In 1915, he became Director of the BIPM, a position he held until his retirement in 1936.

He was awarded the Nobel Prize in Physics in 1920 *"in recognition of the service he has rendered to precision measurements in Physics by his discovery of anomalies in nickel steel alloys"*.

Organizing Committee

Martin MILTON, Director of the BIPM

Philippe RICHARD, Director of METAS (Switzerland) and Member of the International Committee for Weights and Measures (CIPM)

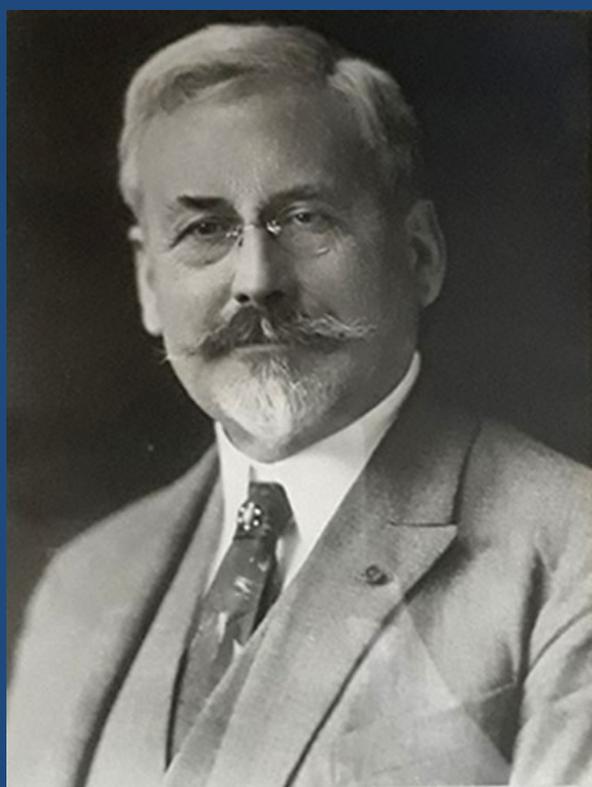
Jean-Louis DILLARD, great-grandson of Charles-Édouard Guillaume and President of the Fondation Charles-Édouard Guillaume

Céline FELLAG ARIQUET, BIPM

Richard DAVIS, BIPM

Chingis KUANBAYEV, BIPM

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On-line and at the BIPM, Pavillon de Breteuil, Sèvres, France

09:30 Opening of the Symposium

Martin J. T. MILTON, Director of the BIPM

09:45 Charles-Édouard Guillaume, from the family perspective

Jean-Louis DILLARD, great-grandson of Charles-Édouard Guillaume and President of the Fondation Charles-Édouard Guillaume

10:00 The BIPM and the Bureau des longitudes

Martina SCHIAVON, University of Lorraine

10:30 Discussion

10:45 – 11:00 Break

11:00 The legacy of Charles-Édouard Guillaume. Introduction

Philippe RICHARD, Director of METAS (Switzerland) and Member of the International Committee for Weights and Measures (CIPM)

11:15 Charles-Édouard Guillaume and the International Bureau of Weights and Measures

Céline FELLAG ARIQUET, BIPM and University of Lorraine

11:45 1920: Charles-Édouard Guillaume and the Nobel Prize: the significance of Guillaume's application-oriented research versus relativity and quantum physics

Jean-Philippe UZAN, Institut d'astrophysique de Paris and CNRS

12:30 Discussion

12:45 Conclusion, end of the Symposium

