

Agenda for the BIPM Workshop on “Advanced Time and Frequency Transfer: the ultimate frontier for remote comparison methods”

Venue: Pavillon du Mail, BIPM, Sèvres, France.

Start: Thursday 10 October 2019 at 09:00

09:00 - 09:05 Opening address of the Workshop
[Prof. Joachim Ullrich (PTB) and Dr Davide Calonico (INRIM), Chairs of the Workshop]

09:05 - 09:15 Introduction on CCTF WGATFT activity
[Dr Davide Calonico, INRIM (Italy)]

Session 1: Chair: Prof. Joachim Ullrich, (CCU President)

09:15 - 10:00 Global quantum communication and precise time frequency dissemination
[Dr Qiang Zhang, University of Science and Technology (China)]

10:00 - 10:45 Optical two-way time and frequency transfer over terrestrial free space links with frequency combs
[Dr Nathan Newbury, NIST (USA)]

10:45 - 11:15 Tea / Coffee Break

11:15 - 12:00 Optical time synchronization in the Kepler satellite navigation system
[Prof. Dr Christoph Günther, DLR (Germany)]

Session 2: Chair: Dr Helen Margolis (NPL)

12:00 - 12:45 Intercontinental Frequency link via VLBI
[Dr Mamoru Sekido, NICT (Japan)]

12:45 - 14:00 Lunch

14:00 - 14:45 White Rabbit: accurate time and frequency transfer using standard-based technology
[Dr Maciej Lipinski, CERN (Switzerland)]

14:45 - 15:30 Coherent optical fibre links: clock comparisons and beyond
[Dr Davide Calonico, INRIM (Italy)]

15:30 – 16:00 Tea / Coffee Break

Session 3: Chair: Dr Davide Calonico (Chair of CCTF WG-ATFT)

16:00 - 18:00 Panel discussion: “Moving forward with remote comparison and dissemination in time and frequency”

18:00 Close of the meeting