

ANNOUNCEMENT

BIPM workshop on *Development of advanced time and frequency transfer techniques* to be held at the BIPM on 28-29 June 2011

During the past decade very significant advances have been made in the field of optical frequency metrology, concerning both ultra-stable optical frequency standards as well as the means to compare frequencies locally using the optical comb technique. This has led to the establishment by the CCTF of a list of secondary representations of the second and to serious consideration of a future redefinition of the second. These developments imply strong requirements on time and frequency transfer techniques, which are not satisfied by the methods currently in common use, and it is urgent to focus attention on this aspect. The objectives of this workshop are therefore to survey the current situation of time and frequency transfer, to project future needs and to study the perspectives for satisfying them. The workshop is organised by the CCTF Working Group on Coordination of the Development of Advanced Time and Frequency Transfer Techniques (WGATFT) and will serve as a basis for further work by the WG in support of preparations for future improvements of the SI second and of time scales.

Programme

Specialist sessions (28 June 10:00 to 29 June 14:00):

Summary of current and future requirements for time and frequency transfer

Current and future time and frequency transfer methods:

- microwave links
- optical fibre links
- free-space optical links
- transportable clocks
- other methods

Discussion of recommendations on the way forward

Attendance

Persons interested in attending the workshop are invited to submit a registration form. Registration forms should be sent to the BIPM to the attention of Céline Fellag Ariouet, atft.workshop@bipm.org, no later than

2 May 2011

Acceptance will be notified by 16 May 2011.

Contributions

The programme will include both invited and selected presentations, with ample time for discussion. Participants wishing to propose a talk (of about 20-30 minutes) are invited to submit an abstract with their registration form.

Registration fee

The registration fee is 200 euros, which covers local arrangements at the BIPM, including coffee and tea breaks and lunches on the two days.

A dinner will be held on the evening of 28 June, for an additional cost of 45 euros.

Accommodation

Attendees should make their own arrangements for accommodation. A list of hotels at the surroundings of the BIPM is available on request.

Web site

Information about the workshop is posted on the web site at http://www.bipm.org/en/events/advanced_time_frequency

Attachment: Registration and abstract form