**ITU-BIPM Workshop**

**“Future of International Time Scale”**

**Agenda**

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| **Thursday, 19 September** | | |
| 8.30-9.30 | **Registration** | |
| 9.30-10.15 | **Opening session**  **Moderator- Vincent Meens, ITU-R SG 7 Chairman** | |
| *Opening remarks*, **Francois Rancy**,  Director, Radiocommunication Bureau  *“Role of the ITU-R in time scale definition and dissemination*”, **Ron Beard,**  Chairman, ITU-R WP7A | | |
| 10.15-10.45 | **Coffee break** | |
| 10.45-12.00 | **Session 1** | |
| *“Realization and maintenance of UTC”*, **Dr. Felicitas Arias,**  The International Bureau of Weights and Measures (BIPM) | | |
| *“The Role of the IERS in the Leap Second”,* **Dr. Brian Luzum***,*  International earth rotation & reference systems service (IERS) | | |
| *“Discussions on the future UTC in the International Astronomical Union”*, **Dr. Mizuhiko Hosokawa**,  President, IAU Commission 31 | | |
| 12.00-14.00 | **Lunch** | |
| 14.00-15.15 | **Session 2** | |
| *“ITU-T Q13/15 activity and its relation with the leap seconds”,*  **Jean-Loup Ferrant,** ITU-T Q13/15 Rapporteur, Calnex Solutions, United Kingdom | | |
| *“The International Union of Geodesy and Geophysics and International Time Scales”*, **Dr. Claude Boucher**,  International Union of Geodesy and Geophysics (IUGG) | | |
| *“On the term of Coordinated Universal time”*, **Dr. D. Finkelman and Dr. K. Warburton**,  International Standardization Organisation (ISO) | | |
| 15.15-15.45 | **Coffee break** |  |
| 15.45-17.00 | **Session 3** | |
| *“The Future of UTC – A British Perspective”*, **Dr Peter Whibberley,**  National Physical Laboratory, UK | | |
| *“The Leap Second's Effect on Society”,*  **Koichi Shibata**,  Time Business Forum, Japan | | |
| *“The Impact of Leap Seconds on Digital Time Services”*, **Dr.Judah Levine**,  National Institute of Standards and Technology, US | | |
| Questions | | |

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| **Friday, 20 September** | |
| **Moderator- Dr Felicitas Arias,** BIPM | |
| 09.00-10.15 | **Session 4** |
| “*UTC leap seconds and Galileo”*, Dr.-Ing. Jörg Hahn, Galileo Programme and Navigation | |
| *“Coordinated universal time and GLONASS”*, Dr. D.Aronov, Dr. I.Zheltonogov, Dr.S. Sorokin,Geyser-Telecom, Russia*“Time scale in GLONASS satellite system and UTC modification problems”,* Dr. A. Druzhin, Dr. A. Tiuliakov*.*  Russian Institute of Radionavigation and Time, Russia | |
| *“Conception, Definition and Realization of Time Scale in GNSS”*, **Dr. Han Chunhao,** Beijing Satellite Navigation Center, China | |
| 10.15-10.45 | **Coffee break** |
| 10.45-11.30 | **Session 5** |
| *“UTC Leap Seconds:  The GPS Directorate Perspective”*, **Lt Col Devin O'Dowd**, GPS Plans & Architecture in the GPS Directorate, US.  *“GNSS and UTC”*, **Dr. Wladimir** **Lewandowsky**, The International Bureau of Weights and Measures (BIPM) | |
| 11.30-13.00 | **Final discussions and closure** |