

Commission A (Electromagnetic Metrology) Activity Report

July 2010 - November 2010

1. International Meetings in the Period

The 18th meeting of the BIPM-CCTF (Bureau International des Poids et Mesures - Consultative Committee for Time and Frequency) Working Group on Two Way Satellite Time and Frequency Transfer was held at the National Institute of Metrology of China for two days from September 16, 2010. The Intelsat-4 satellite, which used to be connecting Asia Pacific region with European institutes, has stopped its operation since February 2010. Efforts have been made to re-establish the Asia-Europe link by using Russian AM-2 satellite and the link has been partially recovered from October 1, 2010. The detailed procedure to re-establish the remaining part of the link and plan to share the satellite lease expenses were discussed during the meeting.

The 2010 Asia-Pacific Radio Science Conference (AP-RASC'10) was held at Toyama International Conference Center in Toyama, Japan from September 22 to September 26, 2010. Four oral presentations from Japan (including two presentations from National Metrology Institute of Japan, NMIJ) have been made at the session of electromagnetic measurement and standards. In this session, researchers from NMIJ and KRISS contributed to expedite a session as a chair parson. Five sessions were designated as the joint sessions of ATF2010 (Asia Pacific Time and Frequency Workshop). 46 papers related with the time and frequency metrology were presented in the five ATF joint sessions.

2. Future Meetings

The 42nd Annual PTTI (Precise Time and Time Interval) meeting will be held at Hyatt Regency Reston Town Center, Reston, Virginia, USA for four days from November 15, 2010. Various activities and information in the time and frequency metrology field will be discussed and exchanged during the meeting. The General Assembly and related meetings of the APMP (Asia Pacific Metrology Programme) will be held for 7 days from November 14, 2010 at Dusit Thani Pattaya Hotel, Pattaya, Thailand. All activities related with metrology in the region of Asia Pacific will be discussed during the meeting.