

URSI Commission C in Japan

22th URSI-C-Japan Chairperson Masahiro MORIKURA

(9th scientific conferences)

1. Convener: Prof. Jun-ichi Takada, Tokyo Institute of Technology
 2. Date/time: 13:00 - 17:00, 6th December, 2013
 3. Venue: Tokyo Institute of Technology, Tokyo
 4. Registration fee: Free
 5. Listed attendees: 30 persons
 6. Local arrangement: Prof. Jun-ichi Takada and Mr. Tomoshige Kan, Tokyo Institute of Technology
 7. Session title: "Frequency Spectrum Management and Coexistence among Different Radio Systems"
 8. Exhibition and presentation:
 - 13:00 - 13:10 Opening Remarks, Prof. Masahiro Morikura, Chair,
Commission C of URSI-JNC
 - 13:10 - 14:00 "Harmonization in UWB Regulation for Both Scientific and Commercial Radio Uses", Prof. Ryuji Kohno,
Yokohama National University
 - 14:00 - 14:50 "Interference of Electromagnetic Noise from LED Light Bulbs to Radio Communication Systems", Dr.
Shinobu Ishigami, National Institute of Information and Communications Technology
 - 14:50 - 15:10 Coffee Break
 - 15:10 - 16:00 "On Interference and Coexistence Study between Different Radio Systems for Regulation", Dr. Jun-ichi
Takada, Tokyo Institute of Technology
 - 16:00 - 17:00 Panel discussion "Future of Frequency Spectrum Management and Coexistence among Different Radio
Systems"
 9. Reception: Tokyo Institute of Technology, Tokyo
 10. The steering committee meeting: 11:30 - 12:00, 6th December, 2013.
 11. Concluding Remarks

Scarcity of radio spectrum is getting more and more serious due to the evolution and diversification of radio applications and systems. Although the spectrum management framework for compatibility and coexistence has been discussed in the international organizations such as ITU-R and CISPR, the progress is generally slow to catch up the progress of radio usage considering various stakeholders.

Three speakers presented the issues of coexistence between scientific and commercial use of the spectrum, electric noise radiated from non-radio devices, and regulatory framework of interference study. Panel discussion followed these presentations to actively exchange the opinions and ideas on the future spectrum management and coexistence, including the new approach of regulatory science, future of non-commercial mobile communication systems, review of coexistence criteria etc.
- (International Activities)
- None