

## URSI Commission C in Japan

21th URSI-C-Japan Chairperson Kenji ITOH

## 1. Domestic Activities

## 1.1 The 9th scientific workshop presented by the 21th URSI-C in Japan

- i) Convener: Dr. Tadashi Kawai, University of Hyogo
- ii) Date/time: 13:00 - 17:00, 19-Nov.-2010
- iii) Venue: University of Hyogo, Himeji, Japan
- iv) Registration fee: Free
- v) Listed attendees: 30 persons
- vi) Local arrangement: Dr. Tadashi Kawai, University of Hyogo
- vii) Session title: “ Wireless Power Transmission and Rectenna ”
- viii) Presentation: 55 min including Q&A for each speaker
  - Opening Talk, Prof. Ohira, President of URSI-C.
  - "Constitutions and Behaviors of Various Rectennas for Wireless Power Transmission," Prof. Shigeji Nogi, Okayama University.
  - "Wireless Power Transmission to an Object Moving in a 3D Space," Prof. Kimiya Komurasaki, The University of Tokyo.
  - " Recent Progress on Microwave Rectennas, " Mr. Minoru Furukawa, Nihon Dengyo Kosaku Co., LTD.
  - "Trends of Research for Safety of Electromagnetic Fields," Prof. Tomonori Sakurai, and Prof. Junji Miyakoshi, Kyoto University.

ix) Reception and Lamp Session at New Sunpia Himeji Yumesaki, Yumesaki-cho, Himeji, Japan

x) The steering committee meeting took place from 09:00 to 10:00 on 19-Nov.-2010.

## xi) Concluding Remarks

In the workshop, we had interesting several talks about recent progress and perspectives on Wireless Power Transmission (WPT) technologies such as receive antenna, AD-DC converter, rectenna array, and so forth. Furthermore, safety of electromagnetic fields in WPT systems was introduced. In the lamp session, the prospect of wideband gap devices on WPT was illustrated.

## 2. International Activities

## i) URSI-GA 2011 activities

URSI-C members organized and operated their relative sessions in URSI-GA 2011