

June 30, 2011

Activity Report of URSI-F

Reported by Y. Yamaguchi (Chair)

1. Commission meetings in the period of March 2011 – June 2011(For more detail, please see <http://www2.nict.go.jp/pub/ursi-f/>)

(1) No. 552/553 Meeting

Date: April 22, 2011 Place: Kanto Gakuin University (Kanagawa)

Four papers were presented:

1. Laboratory experiment of millimeter-wave multi-path propagation over an undulating surface
2. Construction of fading-emulator-type MIMO-OTA testing system - realizing wideband propagation environment with a simplified configuration -
3. Study of propagation model and fading characteristics for wireless relay link between long-haul train cars
4. Recent activities of the standardization on radiowave propagation technology in ITU-R SG3

(2) No. 554 Meeting

Date: May 12-13, 2011 Place: The Yakushima Environmental Culture Village Center (Yakushima)

This meeting was held under the co-sponsorship of the IEICE Technical Committee on AP and IEEE AP-S Japan Chapter. One paper relevant to the field of URSI-F was presented:

For more details, please see: <http://www.ieice.org/cs/ap/jpn/>

1. Two-rays model and propagation characteristics in view of Hata's empirical equations

(3) No. 555 Meeting

Date: June 24, 2011 Place: University of Electro-Communications (Tokyo)

Three papers were presented:

1. Dependency of MIMO parameters to the effect of vertical angle spread in OTA spatial channel emulation
2. A possibility of earthquake prediction by means of electromagnetic effects
3. A study on long-term variability of rain attenuation statistics in Ka and Ku band satellite communications links

2. Others

The 552 meeting was scheduled on March 25. However, due to the great earthquake and its disaster, the meeting 552 was merged into no.553.

IGARSS 2011 will take place in Vancouver, Canada, during July 25-29, 2011. (This meeting was planned to be held in Sendai, Japan, during Aug. 1-5, and changed due to the great earthquake in east Japan)

Asia-Pacific Synthetic Aperture Radar (APSAR 2011) will be held in Seoul, Korea, which deals with recent radar technology. Date: Sept. 26-30, 2011.

APSAR 2013 will be held in Japan.