

Activity Report of URSI-F

Reported by Y. Yamaguchi (Chair)

1. Commission meetings in the period of Mar. 2010 – July 2010(For more detail, please see <http://www2.nict.go.jp/pub/ursi-f/>)

(1) No. 542 Meeting Date: Mar. 5, 2010 Place: NTT Yokosuka Research Center (Kanagawa)

Two papers were presented:

1. A new method for estimating the outage intensity
2. Influence of buildings in microwave band in long haul path with low altitude

(2) No. 543 Meeting Date: Apr. 9, 2010 Place: Doshisha University (Kyoto)

This meeting was held under the co-sponsorship of the IEICE professional groups on AP and IEEE AP-S Japan Chapter. Two papers relevant to the field of URSI-F were presented:

1. A study on UHF band propagation loss characteristics for inter-vehicle communication at road faces variation
2. Path loss and delay profile models for ITS in 700MHz band

(3) No. 544 Meeting Date: Apr. 23, 2010 Place: Kanto Gakuin University (Kanagawa)

Three papers were presented:

1. An investigation on asymptotic calculation method of millimeter-wave multipath received intensity over undulating surface
2. Experimental validation of spatio-temporal channel sounding techniques employing an wideband OFDM signal in a narrowband interference environment
3. Experimental evaluation of target localization and direction finding performances in UWB phase-comparison monopulse short-range radars

(4) No. 545 Meeting Date: June 25, 2010 Place: University of Electro-Communications (Tokyo)

Two papers were presented:

1. Comparative evaluation of fading emulator-type MIMO-OTA measurement schemes
2. Numerical simulation of a dynamic wearable BAN channel and consideration of polarization diversity

A guided tour was held by the courtesy of Prof. Karasawa (University of Electro-Communications):

3. Tour to the UEC Museum of Communication.

(5) No. 546 Meeting Date: July 21-23, 2010 Place: Kitami Institute of Technology (Hokkaido)

This meeting was held under the co-sponsorship of the IEICE professional groups on AP and IEEE AP-S Japan Chapter. Two papers relevant to the field of URSI-F were presented:

1. Fundamental study on indoor intrusion/location detection using radio propagation change
2. Propagation analysis of 700MHz band at intersection of residential area using the FDTD method

For more details, please see: <http://www.ieice.org/cs/ap/jpn/>**2. Others**

IGARSS 2011 will take place in Sendai, Japan during August 1-5, 2011.

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