



Seminar on Small Power Wireless Communications

主催: 小電力無線通信プロジェクト研究会(通研共同プロジェクト研究)

This is one of the series of seminars on small power / short range wireless communications as part of a collaborative research program on “Small Power Wireless Communications” funded by Research Institute of Electrical Communications(RIEC), Tohoku University. The series of seminars will focus on “Millimeter wave device technologies”, “Global standardization & applications”, and “Wireless networking & device technologies” for wireless LAN (WLAN), wireless PAN (WPAN), wireless sensors and others for small power wireless communications.

The seminar topic is “Propagation Characteristics for Millimeter-wave and Cellular Communications”. We will have 6 presentations including one keynote and two invited talks (all presented in English).

Date and time; December 27 (Monday), 13:30~17:50

Place: RIEC #2 Building, Room W301 (Katahira, Tohoku Univ.) (東北大学 片平通研2号館 W301号室)

- Keynote speech (13:15-14:00)
“Super Broadband (60 GHz) Indoor Wireless Communications and Their Roll in 4G Mobile Communications Era”
Prof. Shuzo Kato (Tohoku Univ.)
- Invited talk 1 (14:00-14:30)
“Influence of Hand Tremor for 60-GHz-Band Broadband Wireless Communication Terminal Based on Advanced Kiosk Model”
Prof. Suguru Kameda, S. Tomita, N.H.Tran, Y. Miyake, K. Komatsu, H. Oguma, N. Izuka, S. Tanifuji, N. Suematsu, T. Takagi and K. Tsubouchi (Tohoku Univ.)
- Presentation 1 (14:30-15:00)
“Design and Performance of Beam-Forming Antenna with Discrete Phase Shifter for Practical Millimeter-Wave Communications Systems”
Mr. Yosuke Sato (Tohoku Univ.)

Coffee Break (15:00-15:20)

- Presentation 2 (15:20-15:50)
“Wireless Harness Communications System Using Radio Hose”
Mr. Kazuya Fujita (Tohoku Univ.)
 - Presentation 3 (15:50-16:50)
“Millimeter-wave Propagation Characteristics and Channel Modeling”
Prof. Hirokazu Sawada (Tohoku Univ.)
 - Invited talk 2 (16:50-17:50)
“Evaluation of Multipath Clusters in a Multi-antenna Cellular Environment”
Prof. Lawrence Materum (De La Salle Univ., Philippines)
 - Reception (18:00-19:00): ; Participation fee - ¥1,000 (Student participation – free)
- Contact: Y. Shoji (Tel:022-217-5477, E-mail: yukako.shoji@riec.tohoku.ac.jp)
(Advanced notification of attendance appreciated)