

**CERIES**Tohoku University Electro-Related Departments
Global COE Program*Center of Education and Research for Information Electronics Systems*

Wireless Signal Processing & Networking Workshop

"Advanced Wireless Technologies for Future Mobile Communications Systems"

Sponsored by Tohoku University Global COE,
Hosted by Asian Institute of Technology

1. DATE

13 March (Thursday), 2008

2. VENUE

AIT Conference Center, AIT, Bangkok, Thailand

3. PROGRAM

10:45~11:00 Opening remarks, Prof. Kazi Ahmed, AIT, Bangkok, Thailand

11:00~11:30 "Broadband wireless technology for the next generation mobile communications systems"

Fumiyuki Adachi, Professor, Tohoku University, Sendai, Japan

11:30~12:00 "Wireless Access Technologies in LTE and IMT-A",

Dr. Hiroyuki Otsuka, NTT DoCoMo Beijing Lab., Beijing, China

12:00~13:30 Lunch

13:30~14:00 "Frequency-domain signal processing for CDMA signal transmission",

Dr. Kazuaki Takeda, JSPS Postdoctoral Fellow, Tohoku University, Sendai, Japan

14:00~14:30 "Frequency-domain pre-equalization with space-time block coded-joint transmit/receive antenna diversity",

Hiromichi Tomeba, JSPS Research Fellow, Tohoku University, Sendai, Japan

14:30~15:00 Coffee break

15:00~15:30 "Mobile Handsets as Sensing Nodes in an Immediate Post-Disaster Communications Scenario",

Sonia Majid

15:30~16:00 "Performance Analysis of OSTBC OFDM over Nakagami Fading Channels",

Ejaz Ansari

16:00~16:30 Coffee break

16:30~17:00 "Selection Diversity in Cooperative Communication Systems",

Subodha Gunawardena

17:00~17:30 "TBD"

17:30~17:40 Closing remarks, Prof. Nandana Rajatheva, AIT, Bangkok, Thailand

18:00~19:30 Banquet

Note: the above presentation order is tentative and subjected to change.