

2nd Joint Workshop
on 5G and mm-Wave Smart Radar System

Jan. 21, 2019,
Fluctuation Free Facility, New Industry Creation Hatchery Center
Tohoku University

Moderator

Prof. Seiji Samukawa (*IFS/AIMR, Tohoku University*)

Prof. Yiming Li (*ECE, UNCUC*)

Program

- 1) 10:00-10:05 Opening Remarks, Prof. S. Samukawa and Prof. Y. Li
- 2) 10:05-10:40 **Prof. Tetsuya Suemitsu** (CIES, Tohoku University)
“Advanced GaN HEMT for 5G and mm-Wave Mobile Communications”
- 3) 10:40-11:15 **Prof. Jenn-Hwan Tarng** (NCTU)
“Overview 2 Flagship Research Projects 3DNET Smart Campus & Center for mm Wave Smart Radar Systems and Technologies”
- 4) 11:15-11:50 **Prof. Noriharu Suematsu** (RICE, Tohoku University)
“Direct Digital RF Transceiver for 5G & mm-wave Applications”
Lunch Break (100 min)
- 5) 13:30-14:00 **Prof. Akinobu Teramoto** (Niche, Tohoku University)
“High Quality Dielectric Film Formation on GaN Devices.”
- 6) 14:00-14:30 **Prof. Yiming Li** (NCTU)
“GaN HEMTs for future RF applications.”
- 7) 14:30-15:00 **Prof. Seiji Samukawa** (IFS/AIMR, Tohoku University)
“Atomic Layer Defect-free Etching Process for Advanced GaN HEMT”
- 8) 15:00-15:30 **Prof. Zuo-Min Tsai** (NCTU)
“Millimeter-wave CMOS phased array front end design and the Discussion of MEMs device applying on Millimeter-wave phased array radar systems”
- 9) 15:30-16:00 **Prof. Takahito Ono** (SE, Tohoku University)
“Microsensors and Micropower Devices for IoT Sensor Network”
- 10) 16:00-16:05 Closing Remarks, Prof. Jenn-Hwan Tarng (NCTU)
- 11) 16:05-17:30 **Laboratory Tour in Niche.**