

# Tohoku University – ITRI – YRP R&D\* Workshop

Date: March 19, 2024 9:00~17:00(Taiwan Time)

Venue: Rm.3A, Bldg.51, No.195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu, Taiwan

Chairman: Dr. Pang-An Ting, General Director, ICL/ITRI

Master of ceremonies: Ms. Lilian Hsu, ICL/ITRI

※YRP R&D Promotion Committee

## Program

9:00-9:05	<b>Opening Remark</b> Dr. Pang-An Ting, General Director, ICL/ITRI
9:05-9:10	<b>Opening Remark</b> Prof. Fumiyuki Adachi, Director of International Research Institute of Disaster Science (IRIDeS), Tohoku University
9:10-9:30	<b>Studies of COMS ICs Integrated and Dual-Polarized IRS for B5G 28 GHz Band Applications</b> Dr. Wei-Yu Li, Senior Engineer, ICL/ITRI
9:30-9:50	<b>R&amp;D for IRS (Intelligent Reflecting Surface) of advanced 5G/B5G</b> Prof. Qiang Chen, IRIDeS, Tohoku University
9:50-10:10	<b>LC RIS in the Applications of 5G mmWaves and 6G THz Wireless Communications and It's Design Challenges</b> Mr. Jiangson Chen, CEO, YTTEK
10:10-10:40	<b>Coffee Break</b>
10:40-11:00	<b>R&amp;D for network control technology for green and resilient B5G networks</b> Prof. Qiang Chen, IRIDeS, Tohoku University
11:00-11:20	<b>Introduction to 6G JCAS/ISAC and Current R&amp;D Status at ITRI</b> Mr. Wei-Cheng Wang, Senior Engineer, ICL/ITRI
11:20-11:40	<b>R&amp;D for adaptive RAN (Radio Access Network) toward 5G-advanced: Design Concept of Reconfigurable User-centric RAN</b> Prof. Fumiyuki Adachi, IRIDeS, Tohoku University
11:40-13:40	<b>Lunch &amp; Discussion</b>
13:40-14:00	<b>B5G Satellite Communication Project Update and Next Step</b> Dr. Ting-Jung Liang, Technical Director, ICL/ITRI
14:00-14:20	<b>R&amp;D for adaptive RAN (Radio Access Network) toward 5G-advanced:</b>

	<p align="center"><b>Highly efficient, large capacity optical mobile fronthaul</b> (Video presentation)</p> <p align="center">Prof. Keisuke Kasai, Research Institute of Electrical Communication, Tohoku University</p>
14:20-14:50	<b>Coffee break</b>
14:50-15:10	<p align="center"><b>R&amp;D for renewable energy technology for green and resilient B5G networks</b></p> <p align="center">Prof. Hirohito Yamada, IRIDeS, Tohoku University</p>
15:10-15:30	<p align="center"><b>Next Generation Industrial Network</b></p> <p align="center">Dr. Li Fung Chang, SVP, ATAYA</p>
15:30-15:50	<p align="center"><b>R&amp;D for converged network based on resilient energy and information communication technology (R-EICT)</b></p> <p align="center">Prof. Otsuji Taiichi, IRIDeS, Tohoku University</p>
15:50-15:55	<p align="center"><b>Closing Remark</b></p> <p align="center">Prof. Fumiyuki Adachi, IRIDeS, Tohoku University</p>
15:55-16:00	<p align="center"><b>Closing Remark</b></p> <p align="center">Dr. Pang-An Ting, General Director, ICL/ITRI</p>
16:00-17:00	<b>Show Room</b>
17:00-19:00	<b>Dinner party</b>