

SEMINAR ANNOUNCEMENT

**DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
COLLEGE OF DESIGN AND ENGINEERING**

Website: <https://cde.nus.edu.sg/ece>

Area: Microwave & Radio Frequency

Host: Professor Chen Zhi Ning

Jointly organized by:

IEEE Singapore RFID Chapter and

Department of ECE, NUS

Technical Seminar

TOPIC	:	Technology Trends and Research Directions of Base Stations
SPEAKER	:	Dr. Liu Wei Director of HUAWEI SG Metantenna Lab
DATE	:	Tuesday, 30 August 2022
TIME	:	10:00AM to 11:45AM [Singapore Time, GMT+8]
VENUE	:	E-Cubes (E4-04-06/07) NUS College of Design and Engineering, NUS
REGISTRATION		<p>All attendees are required to register via link: https://nus-sg.zoom.us/meeting/register/tZUrcemqgjopHNfLh2soubRz-O_w76lcOY_K</p> <p>Alternatively,</p> <p>Scan to Register</p> 

ABSTRACT

An industry perspective on the development of base stations will be shared in this talk. After an overview of the application scenarios and development history of base station antennas, current industry challenges will be discussed. Then, the technology trends of the next-generation base stations will be presented. Finally, several new directions of antenna technologies will be introduced for future research.

BIOGRAPHY



Dr. Liu Wei received the Ph.D. degree from the Department of Electronic Engineering and Information Science, University of Science and Technology of China (USTC), Hefei, China. Since 2021, Dr. Liu has been with Huawei, where he is currently the Director of Huawei SG Metantenna Lab. Prior to joining Huawei, he has worked with National University of Singapore and the Institute for Infocomm Research, A*STAR, Singapore. His main research interests include the theory, modeling, and design of metamaterial/metasurface antennas and arrays.

Dr. Liu was the recipient of Institution of Engineers Singapore (IES) Prestigious Engineering Achievement Award 2014. He has authored and co-authored one Book Chapter and more than 50 peer-reviewed journal and conference papers. He has served as the TPC Member, Session Chair and Award Jury Member for a number of academic conferences.

AGENDA

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|---------------------------|---|
| 10:00AM to 10:05AM | Opening Speech |
| 10:05AM to 10:45AM | Industry Talk |
| 10:45AM to 11:00AM | Q&A |
| 11:00AM to 11:45AM | Free individual lunch bento sets and gift will be provided for all registered participants |

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- Questions about the talk
- Technical exchange on antenna
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- Any other business

CONTACT

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