

Seminar On

Antennas/Arrays for Next Generation Wireless Applications**Prof. Chunxu Mao****South China University of Technology****Date : 14 August 2025 (Thursday)****Time : 11:00 am – 12:00 nn****Venue : Room 15-202, 15/F, State Key Laboratory of Terahertz and Millimeter Waves,
Lau Ming Wai Academic Building, City University of Hong Kong****Abstract**

As the rapid development of wireless applications such as satellite-based internet and portable electronic devices, innovative antennas with compact size, multifunction, and high-level of integration will continue play a critical role in the next generation wireless communications. This presentation will give an overview of recent research outputs of the team, including the shared aperture antennas/arrays for satellite and base station applications, the filtering/self-duplexing antennas, and the wearable antennas based on flexible materials. For each type of antenna, a couple of antenna designs and the corresponding experimental results will be introduced and discussed.

Biography

Dr. Chunxu Mao received the PhD degree from the University of Kent, UK, in 2018. From January 2018 to August 2019, he was a Postdoctoral Research Fellow at Pennsylvania State University. In October 2019, he joined the 5G/6G Center in the University of Surrey, UK, as a Senior Research Fellow. From August 2023, he joined the School of Electronics and Information, South China University of Technology as a full Professor. Dr. Mao is the recipient of the National Natural Science Foundation for Excellent Young Scholars (Overseas). Dr. Mao has participated in multiple research projects, including EC FP7, US National Natural Science Foundation NSF, EC H2020 and UK EPSRC. Dr. Mao is research interests include: filtering antenna and RF front-end integration, circularly polarized satellite antenna/array, shared-aperture phased array antenna, wearable antenna, etc.

***** ALL ARE WELCOME *******Enquiries:**

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