



## Tutorial 6 Wireless Traffic Prediction in the Era of Large Language Models



### Presenter 1



**Haixia Zhang**, Shandong University & Shandong Provincial Key Laboratory of Wireless Communication Technologies, China

**Presentation Title**

**Backgrounds of Wireless Traffic Prediction and Centralized Learning Models**

Haixia Zhang received the B.E. degree from the Department of Communication and Information Engineering, Guilin University of Electronic Technology, Guilin, China, in 2001, and the M.Eng. and Ph.D. degrees in communication and information systems from the School of Information Science and Engineering, Shandong University, Jinan, China, in 2004 and 2008, respectively. From 2006 to 2008, she was with the Institute for Circuit and Signal Processing, Munich University of Technology, Munich, Germany, as an Academic Assistant. From 2016 to 2017, she was a Visiting Professor with the University of Florida, Gainesville, FL, USA. She is currently a Full Professor with Shandong University, Jinan, China. Prof. Zhang is actively participating in many professional services. She is/was an editor of the IEEE Transactions on Wireless Communications, IEEE Internet of Things Journal, IEEE Wireless Communication Letters, and China Communications and serves/served as Symposium Chairs, TPC Members, Session Chairs, and Keynote Speakers of many conferences. Her research interests include wireless communication and networks, industrial Internet of Things, wireless resource management, and mobile edge computing.

### Presenter 2



**Chuanting Zhang**, Shandong University & Shandong Provincial Key Laboratory of Wireless Communication Technologies, China

**Presentation Title**

**Decentralized and LLM-based Models**

Chuanting Zhang received the Ph.D. degree in communication and information systems from Shandong University, Jinan, China, in 2019. From 2019 to 2022, he was also a Postdoctoral Fellow with the Computer, Electrical, and Mathematical Science and Engineering Division, King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia. From 2022 to 2023, he was a Senior Research Associate with the University of Bristol, Bristol, U.K. He is currently an Associate Professor with Shandong University, Jinan, China. His current research interests include spatial-temporal data analysis, federated learning, and AI for networking.