Recent Results of Machine Learning Inspired Wireless communication and networking

室蘭工業大学 MURORAN INSTITUTE OF TECHNOLOGY

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Speaker: **Xiaoyan Wang, Associate Professor, Ibaraki University, Japan**

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Time: **12:55-14:25**

Location: **Zoom**

Abstract:

Next-generation wireless networks should intelligently control end-user devices in real-time scenarios. These can only be achieved through the integration of machine learning techniques in wireless infrastructure and end-user devices. Recently, machine learning algorithms have gained significant interest in the area of wireless networking and communication. In this talk, we will introduce our three recent results of machine learning inspired wireless communication and networking, i.e., 1, spectrum utilization by machine learning; 2, intelligent networking for post-disaster scenario; 3, machine learning for automotive radar.

Biography:

Xiaoyan Wang received the BE degree from Beihang University, China, and the ME and Ph. D. from the University of Tsukuba, Japan. He is currently working as an associate professor with the Graduate School of Science and Engineering at Ibaraki University, Japan. Before that, he worked as an assistant professor at National Institute of Informatics (NII), Japan, from 2013 to 2016. His research interests include intelligent networking, wireless communications, cloud computing, big data systems, security and privacy.

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