



Department of Advanced Design
and Systems Engineering

香港城市大學
City University of Hong Kong

Distinguished ADSE Seminar Series

Intelligent Reflecting Surfaces for 6G Mobile Communications Systems

Prof. Wang Jiangzhou

Professor of Telecommunications,
Director of Research, University of Kent



2 July 2021 (Fri)
2:30 pm - 4:00 pm

Seminar Link:

[https://cityu.zoom.us/j/96617968989?
pwd=Q2t4b0tCTUwyOWg1Y2ZzMUprcXJNdz09](https://cityu.zoom.us/j/96617968989?pwd=Q2t4b0tCTUwyOWg1Y2ZzMUprcXJNdz09)



Enquiry: 3442 8422
All are welcome

Abstract

While the design of intelligent reflecting surface (IRS) has a long history in the electromagnetic literature, the communication application is in its infancy. Recently, IRS-assisted wireless communication has received considerable research attention, since it is capable of supporting cost-effective and energy-efficient high data rate communication for next-generation mobile communication. This talk will explain why IRS is needed for 6G mobile communications, what its applications and technical challenges are. Recent research results on IRS will be presented.

About the speaker

Jiangzhou Wang is currently a Professor at the University of Kent, U.K. He is a Fellow of the Royal Academy of Engineering, U.K., Fellow of the IEEE, and Fellow of the IET. He was the Technical Program Chair of the 2019 IEEE International Conference on Communications (ICC2019), Shanghai, the Executive Chair of the IEEE ICC2015, London, and the Technical Program Chair of the IEEE WCNC2013. He has served as an Editor for a number of international journals, including IEEE Transactions on Communications from 1998 to 2013.