学术报告

题目：Data-driven Game Theoretical Modeling and Its Application in Smart Grid

时间：2020年1月9日 9:30 – 11:30

地点：浙江大学玉泉校区工控新楼211会议室

报告人：Dr. Chaojie Li University of New South Wales

专家介绍

Dr. Chaojie Li received the B.Eng. degree in electronic science and technology and the M.Eng. Degree in computer science from Chongqing University, China, in 2007 and 2011, respectively, and received the Ph.D. Degree from RMIT University, Australia in 2017, where he was a research fellow for one and a half years. He worked as a senior algorithm engineer at Alibaba group for one year. At present, He is a senior research associate at UNSW at Sydney. His current research interests include graph representation learning, distributed optimization and game theory in smart grid, big data analysis, and cyber security.

报告内容

Game theory has been widely used in modeling human behavior involved systems which is able to produce a realistic solution for the practitioner in real world problems. The computation efficiency of Nash equilibrium in a large-scale game theoretical model is still an outstanding issue. In this talk, game theoretical models will be established for challenging issues in smart grid. The highly efficient computational algorithms are also introduced for solving these models in a distributed way. Moreover, a block chain system with the zero determinant strategies will be discussed.