



学术报告会 Seminar

题目	Multi-Agent Machine Learning: A Tutorial	
报告人	Professor Jun Wang Department of Computer Science, University College London, UK	
时间	2018年4月10日(星期二) 下午 13:30-14:30	
地点	上海科技大学, 信息学院 1 号楼 C 区 502 会议室 (上海雾计算实验室)	

Abstract: Multi-agent learning arises in a variety of domains with the applications ranging from controlling a group of autonomous vehicles/robots/drones, military combats, collaborative bots in production lines to optimizing distributed sensor networks/traffic and to machine bidding in competitive e-commerce and financial markets, just to name a few. In this talk, I shall provide an up-to-date tutorial on the technique and algorithms of multi-agent AI, with a focus on competition, collaboration, and communications among intelligent agents. The studies in both game theory and machine learning will be examined and be presented in a unified treatment. At the end of the talk, I shall example our recent work on the subject including mean-field multi-agent reinforcement learning, generative adversarial nets, hierarchical reinforcement learning and their applications in various domains.

Bio: Dr. Jun Wang obtained his PhD degree in Delft University of Technology, the Netherlands; MSc degree in National University of Singapore, Singapore; and Bachelor degree in Southeast University, Nanjing, China. Currently, he is Chair Professor of Data Science, Computer Science, University College London, and Founding Director of MSc Web Science and Big Data Analytics. He is also Co-founder and Chief Scientist in MediaGamma Ltd, a UCL spin-out focusing on AI for intelligent audience decision making. His team won the first global real-time bidding algorithm contest with 80+ participants worldwide. He was a recipient of the Beyond Search Semantic Computing and Internet Economics award by Microsoft Research and also received Yahoo! FREP Faculty award. He has served as an Area Chair in ACM CIKM and ACM SIGIR. He was a technical advisor for startups such as Last.Fm, Passiv Systems, Massive Analytic, Context Scout, and Polecat, and had various projects with BT, Microsoft, Yahoo!, Alibaba etc.

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