



UCLA

Samueli

Electrical & Computer Engineering

Visitor Seminar

Incentive Mechanism Design for Crowd Systems

Prof. Jianwei Huang

Presidential Chair Professor, IEEE Fellow

Associate Vice President (Institutional Development)

The Chinese University of Hong Kong, Shenzhen

Friday, May 12, 2023 – 1:00 PM to 2:00 PM

Engineering Bldg. IV – Shannon Room #54-134

Abstract Crowd systems can help solve complicated problems through the coordinated behaviors of many non-expert agents. A key to success is to incentivize enough agents to participate and exert efforts. We will introduce the challenges and opportunities of incentive mechanism designs in diverse types of crowd systems.

Biography Jianwei Huang is a Presidential Chair Professor and Associate Vice President of the Chinese University of Hong Kong, Shenzhen. He received the Ph.D. degree from Northwestern University in 2005, and worked as a Postdoc in Princeton University during 2005-2007. From 2007 until 2018, he was on the faculty of Department of Information Engineering, The Chinese University of Hong Kong. His research interests are in the area of network optimization, network economics, and network science, with applications in communication networks, energy networks, data markets, and crowd intelligence. His publications have been cited by 16,000+ times (Google Scholar) with an H-index of 65. He has co-authored 11 Best Paper Awards, including the 2011 IEEE Marconi Prize Paper Award in Wireless Communications. He has co-authored seven books, including the textbook on "Wireless Network Pricing." He has been an IEEE Fellow, an IEEE ComSoc Distinguished Lecturer, a Clarivate Web of Science Highly Cited Researcher, and an Elsevier Most Cited Chinese Researcher. He is the Editor-in-Chief of IEEE Transactions on Network Science and Engineering (TNSE), and was the Associate Editor-in-Chief of IEEE Open Journal of the Communications Society (OJ-COM). He received the IEEE ComSoc TCCN Publication Award in 2022, and is a member of the IEEE Koji Kobayashi Award Committee.



For more information, contact Prof. Suhas Diggavi at suhas@ee.ucla.edu