



Bilkent EEE



Bilkent EEE Distinguished Seminar Series

Bilkent University - Department of Electrical and Electronics Engineering



From Data to the Intelligent Economy: Frontiers in Multi-Source and Streaming Data Trading

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Against the backdrop of rapid development in artificial intelligence and the digital economy, data is gradually becoming a core production factor alongside capital and labor. How to achieve effective collaboration in multi-source data environments and how to realize real-time transactions in streaming scenarios constitute key challenges in data market research. This talk will systematically introduce the latest advances in multi-source data cooperation and streaming data trading, with a focus on exploring data pricing and revenue allocation mechanisms, optimization and computational sharing methods for continuous queries, and online scheduling algorithms under uncertain environments. The related research provides new theoretical frameworks for understanding the operational principles of data markets.

Bio: Jianwei Huang is a Presidential Chair Professor and Associate Vice President at the Chinese University of Hong Kong, Shenzhen. He is also the Associate Director of the Shenzhen Institute of Artificial Intelligence and Robotics for Society. He has served as the Editor-in-Chief of IEEE Transactions on Network Science and Engineering and the Associate Editor-in-Chief of the IEEE Open Journal of the Communications Society. He is an IEEE Fellow, an IEEE ComSoc Distinguished Lecturer, a Clarivate Web of Science Highly Cited Researcher, and an Elsevier Most Cited Chinese Researcher.

