



“AI+Complexity” Series podium

Lecture: Modeling and Applications of Complex Network

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(at 复旦邯郸校区计算中心B325)

Abstract: Complex networks have very important applications in biology, information, management, control and other fields. This report is intended to introduce the advances in the theories and applications of complex networks, such as modeling, spectral properties, random walk, centrality, etc., and to look forward to the future research directions.

Reporter: Zhang Zhongzhi, professor and doctoral supervisor of the school of computer science and technology, Fudan University. His research interests include complex networks, graph data mining, social network analysis, random walks, spectral theory, and enumeration problem on graphs. He has published more than 100 paper in international journals and conferences including IEEE Trans, TCS, Comp J, PRE, JCP, SODA, WWW, IJCAI, ICDM, WSDM, etc., among which 1 paper is highly cited in ESI and 3 are cover articles. He has over 2900 ISI Web of Science citations with an H-index of 32 according to the Clarivate, and has over 4,100 Google scholar citations with an H-index of 39. He was selected into the list of "Chinese Most Cited Researchers in 2019". He worked in City University of Hongkong and Polytechnic University of Catalonia as a visiting scholar in 2011 and 2015, respectively. He presided over 4 projects of the National Natural Science Foundation of China. He won the third prize in Natural Science in Shanghai (The first accomplisher) and the Wilkes Award in 2020 (The Computer Journal Best Paper Award in 2019).



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