

**Title:****Analysis of Data in Social Network.****Abstract:**

With the popularity of mobile internet and intelligent mobile terminal, various social networks, such as Facebook, Wechat, LINE, etc, have penetrated into the work and life of each person and generated massive data every day. However, the social network is usually used illegally to steal privacy, spread rumor, plan and organize criminal activities, which has to be discovered and prevented in time. Meanwhile, the companies want to understand the users precisely from massive data in social network and provide more interesting and satisfying services. However, there are still many challenges in matching the two-side requirements mentioned-above at the same time. This workshop aims to bring together researchers interested in analysis of data in social network under a unified platform for sharing their work and exchanging ideas.

Scope and Topics:

We are soliciting novel and original research contributions related to analysis of data in social network (algorithms, software systems, applications, best practices, performance). Significant work-in-progress papers are also encouraged. Papers can be from any of the following areas, including but not limited to:

- ✧Forensics of Data Hiding in the Social Network
- ✧Forensics of Forged Multimedia Contents in Social Network
- ✧Covert Communicator Discovery in Social Network
- ✧New Covert Channel in Social Network
- ✧User Profiling in Social Network
- ✧Cross-media Analysis in Social Network
- ✧Community Detection in Social Network
- ✧Anomaly Detection in Social Network
- ✧Privacy Protection in Social Network
- ✧Risk Analysis and Data Governance in Social Network
- ✧Sentiment Analysis in Social Network
- ✧Public Opinion Detection and Analysis in Social Network
- ✧Spam Detection in Online Social Network
- ✧Multi-modal Information Hiding in Social Network
- ✧Application of Artificial Intelligence in Analysis of Data in Social Network
- ✧Social Multimedia Understanding

Program Committee Chairs:**Jiande Sun**

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Biography:

Jiande Sun is a full professor in School of Information Science and Engineering,



Shandong Normal University. He received the Ph.D. degree from Shandong University, Jinan, China, in 2005. He won the Outstanding Youth Funding of Shandong Province. He has been the visiting researcher in Technical University of Berlin, University of Konstanz, and Carnegie Mellon University, and a Post-Doctoral Researcher with the Institute of Digital Media, Peking University, Beijing, China, and with the State Key Laboratory of Digital-Media Technology, Hisense Group. He was the distinguished young professor of Hisense Group from 2012-2014. He has published more than 100 papers, which covers most of the journals and conference proceedings pressed by IEEE, ACM, and Springer. He was authorized 1 US patent and 16 Chinese patents. His current research interests include multimedia security, multimedia signal processing, analysis and applications, gaze-based HCI, 2D to 3D conversion, and so on.

Chengcheng Li

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Biography:

Chengcheng Li is an associate professor and the graduate director of the School of Information Technology at University of Cincinnati. He also serves as the director of the Center of Academic Excellence for Cyber Defense Education (CAE-CDE) at University of Cincinnati. The center was officially designated by the US National Security Agency in 2016. Through the Center, Dr. Li has obtained a series of federal and state grants and expanded UC's research and education capacity primarily in cybersecurity. He received his M.S. and Ph.D. degrees in computer science from Texas Tech University, and an MBA degree from University of Monaco. Dr. Li has been leading more than ten projects that attracted \$2 Million funds as the project PI and \$5 Million as co-PI. The major funding agencies that supported Dr. Li's academic work are the National Science Foundation, National Security Agency, Department of Ohio Higher Education, Ohio Board of Regents, Hewlett-Packard, and Cisco. He worked as a regional Cisco Networking Academy director from 2008-2012. Dr. Li has over 23 publications primarily in IT and cybersecurity education. His research interests are in machine learning, data science, network intrusion detection, and applied cybersecurity.

Chunfang Yang

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Biography:

Chunfang Yang is an associate professor of Zhengzhou Science and Technology Institute. His research interests include network security, steganography and steganalysis. By now, he has published more than 60 papers on the main international journals and conference, such as "IEEE Transactions on Information Forensics and Security", "IEEE Journal on Selected Areas in Communications", IH (International Workshop on Information Hiding) and IH&MMSec (ACM Workshop on Information Hiding and Multimedia Security). His Ph. D thesis was awarded Excellent Doctoral Dissertation of Henan province. In 2016, he was honored with the award of ACM Zhengzhou Rising Star Award in recognition of outstanding technical and professional achievements in the field of computer science.

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Lingyun Xiang is a master student supervisor of School of Computer and Communication Engineering at Changsha University of Science and Technology. She received her BE in computer science and technology, in 2005, and the PhD in computer application, in 2011, Hunan University, Hunan, China. She was a visiting scholar at University of Technology, Sydney in 2016. Her research interests include information security, steganography, steganalysis, machine learning, and pattern recognition. By now, she has published more than 40 papers on the main international conference and journals.

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Biography:

Xin Guo is currently the chief engineer in Shandong Hai Yi Digital Technology Co., Ltd.. He received the master of software engineering degree from Harbin Institute of Technology, Weihai, China, in 2006. He has made brilliant contribution to public security informationization. He won the Science and Technology Progress Award of the Ministry of Public Security many times. He is a member of Information Standards Committee of the Ministry of public security. He has undertaken more than 10 standards, which include data exchange standard, interface standard, software architecture standard, and so on. He declared and bore state's Key Project of Research and Development Plans, for example, research on the technology and equipment of drug seizure and drug control, analysis and research on the temporal and spatial correlation of traffic accidents, and so on. He led the research and development of natural language processing, data portrait, social network analysis, distributed memory computing engine, which play an important role in practical application of public security. He has published more than 5 industry papers. His current research interests include data mining, deep learning, artificial intelligence, mathematical modeling, and so on.

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