



The 3rd International Conference of Social Computing

第三届社会计算国际会议

会议手册

Conference Booklet

Chicago Time

12/9/2021 - 12/11/2021

北京时间

2021/12/10 - 2021/12/11

主办单位 SPONSOR

清华大学社会科学学院

School of Social Sciences,

Tsinghua University

承办单位 ORGANIZER

清华大学社会网络研究中心

Center for

Social Network Research,

Tsinghua University

欢迎各位嘉宾

本次会议以线上线下相结合的方式进行

[线上会议]

会议软件: Zoom
会议号码: 779 198 8580
参会密码: 212121
会议链接: <https://us02web.zoom.us/j/7791988580?pwd=STFTT3dIL3dHYW9DWkpHbUtkRUxKUT09>

[线下会议]

地 址: 北京市海淀区清华大学

熊知行楼109会议室

[会议时间]

北京时间	Chicago Time	Berlin Time	London Time
2021年12月10日 8:30-12:00 13:30-16:30	6:30 PM to 2:30 AM December 9-10, 2021	1:30 AM to 9:30 AM 10 December, 2021	0:30 AM to 8:30 AM 10 December, 2021
2021年12月11日 9:00-12:00 13:30-16:30	7:00 PM to 2:30 AM December 10-11, 2021	2:00 AM to 9:30 AM 11 December, 2021	1:00 AM to 8:30 AM 11 December, 2021

第三届社会计算国际会议 日 程

北京时间 2021/12/10 8:30 ~ 12:00 Chicago Time 12/9/2021 6:30 PM to 10:00 PM			
English Section		Chairman: Jar-Der Luo	
北京时间	Chicago Time	主讲人 Presenter	报告题目 Theme
8:30 ~ 9:00	6:30 PM to 7:00 PM	James Evans The University of Chicago, USA	How to Kill Innovation
9:00 ~ 9:30	7:00 PM to 7:30 PM	Simon DeDeo Carnegie Mellon University & Santa Fe Institute, USA	Argument-Making and Explanation in the Wild
9:30 ~ 10:00	7:30 PM to 8:00 PM	Aylin Caliskan The University of Washington, USA	Artificial Intelligence for Social Good: When Machines Learn Human-Like Biases from Data
10:00 ~ 10:30	8:00 PM to 8:30 PM	Joshua Epstein New York University, USA	Agent_Zero and Generative Social Science
10:30 ~ 11:00	8:30 PM to 9:00 PM	Jianmin Jia The Chinese University of Hong Kong, Shenzhen, China	Disruptions of Digital Lifestyles during COVID-19
11:00 ~ 11:30	9:00 PM to 9:30 PM	Danielle Bassett University of Pennsylvania & Santa Fe Institute, USA	Racial, Ethnic, and Gender Imbalances in Reference Lists of Scientific Papers
11:30 ~ 12:00	9:30 PM to 10:00 PM	Oshani Seneviratne Rensselaer Polytechnic Institute, USA	Social Computing and Blockchain: From Incentive Mechanisms to Computer-Supported Cooperative Work

<p>北京时间 2021/12/10 13:30 ~ 16:30 Chicago Time 12/9/2021 11:30 PM to 12/10 2:30 AM</p>			
中文会场		主持人: 刘知远	
北京时间	Chicago Time	主讲人 Presenter	报告题目 Theme
13:30 ~ 14:00	11:30 PM to 0:00 AM	刘知远 清华大学 计算机科学与技术系	面向计算社会科学的语义表示技术 A Tale of Two Representations: Symbols and Embeddings
14:00 ~ 14:30	0:00 AM to 0:30 AM	周涛 电子科技大学 计算机科学与工程学院	在线导航中的信息茧房问题 Information Cocoons in Online Navigation
14:30 ~ 15:00	0:30 AM to 1:00 AM	陈云松 南京大学 社会学院	定量社会分析的宏观转向: 计算社会学视野 From Micro to Macro Quantitative Sociological Analysis: The Approaches of Computational Sociology
English Section		Chairman: XiaoMing Fu	
北京时间	Chicago Time	主讲人 Presenter	报告题目 Theme
15:00 ~ 15:30	1:00 AM to 1:30 AM	Xiaoming Fu University of Goettingen, Germany	A Data-Driven Analysis of K-12 Students' Participation and Learning Performance on an Online Supplementary Learning Platform
15:30 ~ 16:00	1:30 AM to 2:00 AM	Jan Nagler Frankfurt School of Finance and Management, Germany	Impact of Network Motifs on Response Dynamics
16:00 ~ 16:30	2:00 AM to 2:30 AM	Gareth Tyson Queen Mary University of London, UK	Exploring the (Mis)Use of Social Messaging Platforms

北京时间 2021/12/11 9:00 ~ 12:00 Chicago Time 12/10/2021 7:00 PM to 10:00 PM			
English Section		Chairman: Xiaobin He	
北京时间	Chicago Time	主讲人 Presenter	报告题目 Theme
9:00 ~ 9:30	7:00 PM to 7:30 PM	Feiyue Wang Chinese Academy of Sciences, China	Social Prescription for Social Healthcare: From Merton's Laws to Prescriptive Computing
9:30 ~ 10:00	7:30 PM to 8:00 PM	Xinyue Ye Texas A&M University, USA	GIS-KG: Building a Large-Scale Hierarchical Knowledge Graph for Geographic Information Science
10:00 ~ 10:30	8:00 PM to 8:30 PM	Robert Axtell George Mason University, USA	Navigating the Social Sciences in Amidst the Current Data Deluge
10:30 ~ 11:00	8:30 PM to 9:00 PM	Bo Huang The Chinese University of Hong Kong, China	Assessment of the Joint Effect of Physical Distancing and Vaccination Interventions to Prevent Future Waves of COVID-19
11:00 ~ 11:30	9:00 PM to 9:30 PM	Xiaobin He Tsinghua University, China	The Effects of Social Security and Housing Provident Fund on Wages-Evidence from Online Job Postings
11:30 ~ 12:00	9:30 PM to 10:00 PM	Jar-Der Luo & Xin Gao Tsinghua University, China	How Can We Improve Team Innovation in Organization Changes

北京时间 2021/12/11 13:30 ~ 16:30 Chicago Time 12/10/2021 11:30 PM to 12/11 2:30 AM			
中文会场		主持人: 杨虎	
北京时间	Chicago Time	主讲人 Presenter	报告题目 Theme
13:30 ~ 14:00	11:30 PM to 0:00 AM	刘涛雄 清华大学 社会科学学院	因果图与控制变量选择 Selecting the Control Variable by Casual Diagram
14:00 ~ 14:30	0:00 AM to 0:30 AM	谷伟伟 北京化工大学 信息科学与技术学院	复杂网络嵌入的隐藏几何空间及嵌入维度选择 The Hidden Geometric Space and the Optimal Embedding Dimension of Networks
14:30 ~ 15:00	0:30 AM to 1:00 AM	周斌 江苏科技大学 经济管理学院	基于数据统计分析和社交网络结构的信息传播规律研究 Research on Information Diffusion Law Based on Data Statistical Analysis and Social Network Structure
15:00 ~ 15:30	1:00 AM to 1:30 AM	杨虎 中央财经大学 信息学院	基于偏好增强图神经网络的领军风险投资企业识别 Identifying Chinese Leading Venture Capital Firms Using Investing Preference-Enhanced Graph Neural Networks
15:30 ~ 16:00	1:30 AM to 2:00 AM	吴超 浙江大学 公共管理学院	基于群体智慧的计算社会科学 Swarm Intelligence for Computational Social Science
16:00 ~ 16:30	2:00 AM to 2:30 AM	陈阳 复旦大学 计算机科学技术学院	在线社交网络恶意账号检测研究 Detecting Malicious Accounts in Online Social Networks



ABOUT THE SCHOOL OF SOCIAL SCIENCE, TSINGHUA UNIVERSITY

Since the establishment of the Tsinghua School (Xuetang) in 1911, courses in political science and economics were offered. In 1925, the school launched its four-year undergraduate program. The Departments of sociology, political science, economics and educational psychology were among the seventeen first founded departments in 1926. In 1928, the authorities officially changed the name to National Tsinghua University, and established fifteen departments in the School of Liberal Arts, the School of Science and the School of Law. The Department of Sociology was in the School of Liberal Arts; the Department of Psychology was in the School of Science; and the Departments of Political Science and Economics in the School of Law.

The study of social science at Tsinghua University has a long tradition of promoting interaction between Chinese and Western cultures and encouraging interdisciplinary communications between the Arts and the Sciences. Advocating for the application modern science methodologies in exploring political, economic and social phenomena, we learned from studies in foreign countries and followed international academic standards, with an emphasis on understanding current realistic problems in China. Founded on the ultimate goal to support the independent academic development of the nation and the construction of a new China, the school has made significant achievements in nurturing students and research.

Many world-class scholars and social activists taught or studied in Tsinghua's social science departments, including Fei Xiaotong (Fei Hsiao-Tung), Chen Daisun, Zhang Xiruo, Pan Guangdan, Qian Duansheng (Ch'ien Tuan-Sheng), Xiao Gongquan, Wang Tieya, Wang Yanan, Chen Da, Zhu Junyi, Wu Qiyuan, Zhao Yuanren (Chao Yuen Ren), Dai Shiguang, Xiao Qu, Wu Jingchao, Li Jinghan, Chen Tiqiang, and Tang Yue. They were pioneers of all Tsinghua faculties and students in social sciences disciplines who contributed to modern political and economical revival and social construction of China.

In 1952, a nationwide restructuring of institutes of higher education began, and Tsinghua University became a multidisciplinary polytechnic university specializing in training engineers. Social science departments in Tsinghua University were shut down and faculties and students in the field left for other universities or institutions. Since 1978, however, Tsinghua University has strengthened its teaching in the sciences, economic management, humanities and law fields.

Resuscitating its studies and research in social science disciplines, the Department of Social Science was rebuilt in 1984 and School of Humanities and Social Sciences was rebuilt in 1993, which included the Department of Philosophy and Sociology, Department of Chinese Language and Literature, Department of History, the Institute of Ideology and Culture, the Institute of Science, Technology and Society, the Institute of Economics, the Institute of Education, and the Institute of Art Education. In 1997, the Institute of international studies was set up. In 2000, the Department of Sociology and Department of Political Science were re-established. Finally, in 2008, the Department of Psychology was re-established.

In 2012, the first year after the centenary anniversary of Tsinghua University, the School of Humanities and the School of Social Sciences were founded separately on the basis of the original School of Humanities and Social Sciences. The School of Social Sciences includes the Department of Political Science, Department of International Relations, Department of Sociology, Department of Psychology, Institute of Economics . The School aims to meet the academic frontiers of the world and the strategic demands of our nation, and tries its best to attain new achievements in social sciences at Tsinghua University.

URL: <https://www.sss.tsinghua.edu.cn/>



ABOUT THE CENTER FOR SOCIAL NETWORK RESEARCH

The Tsinghua Center for Social Network Research was founded on Jan. 1st 2013. As a Tsinghua University research center, its purpose is to develop a platform for cooperation among physicists, computer scientists, and social, behavioral and epidemiology researchers, so that they can explore a set of interdisciplinary methodological approaches for studying complex social networks in big data.

Big data brings a lot of opportunities and challenges for interdisciplinary research: Various domains of knowledge have developed and accumulated a large body of hypotheses, models and empirical findings on the structure, dynamic processes, and consequences of social networks.

In order to arrive at a consensus we first need to create a methodological framework that takes data mining as its starting point. The object of research is online big data, which has the untapped potential to yield findings about new social phenomena. The next step is interpreting these findings through various qualitative and survey studies, which will further help us reveal grounded truth to verify theoretical hypotheses. The final step is building a model that encompasses the co-evolution of human actions and network structure based on the operative theories. With a model built on this solid foundation, researchers trained with interdisciplinary methods have the required information to predict new facts from their results.

Running in parallel to our research are real-world surveys that often generate new facts that conflict with our interpretation of the results of data mining. In this kind of scenario, we must return to our data and begin an iterative process of data mining, theory development and dynamic model building; until we can reconcile the two sets of results.

The goal of TCSNR is to develop a series of programs for training students with different research backgrounds, and mesh their different areas of expertise into a methodologically and substantively integrated whole. From this interdisciplinary training method we can expect new results and considerable progress in social network research.



Wechat



Bilibili

List of Presenters

Robert Axtell	George Mason University
Danielle Bassett	University of Pennsylvania & Santa Fe Institute
Aylin Caliskan	The University of Washington
Yang Chen	Fudan University
Yunsong Chen	Nanjing University
Simon DeDeo	Carnegie Mellon University & Santa Fe Institute
Joshua Epstein	New York University
James A. Evans	The University of Chicago
Xiaoming Fu	University of Gottingen
Xin Gao	Tsinghua University
Weiwei Gu	Beijing University of Chemical Technology
Xiaobin He	Tsinghua University
Bo Huang	The Chinese University of Hong Kong
Jianmin Jia	The Chinese University of Hong Kong, Shenzhen
Taoxiong Liu	Tsinghua University
Zhiyuan Liu	Tsinghua University
Jarder Luo	Tsinghua University
Jan Nagler	Frankfurt School of Finance and Management
Oshani Seneviratne	Rensselaer Polytechnic Institute
Gareth Tyson	Queen Mary University of London
Chao Wu	Zhejiang University
Feiyue Wang	Chinese Academy of Sciences
Hu Yang	Central University of Finance and Economics
Xinyue Ye	Texas A&M University
Bin Zhou	Jiangsu University Of Science And Technology
Tao Zhou	University of Electronic Science and Technology of China

English Section

英文会场



Robert Axtell

Professor

George Mason University

Robert Axtell is Professor of Computational Social Science at George Mason University, Co-Director of the Computational Public Policy Lab at the Schar School of Government at Mason, and an affiliate of the Department of Economics there. He is also an External Faculty Member at the Santa Fe Institute, a center for research on complex systems. Professor Axtell's research focuses on the application of agent-based modeling and simulation (ABMS) techniques to economics and finance. He is the author, with Joshua Epstein, of *Growing Artificial Societies: Social Science from the Bottom Up* (MIT Press). His research has appeared in *Science*, *Nature*, *Proceedings of the National Academy of Sciences*, as well as in leading field-specific journals such as *The American Economic Review*, and has been reprised in leading newspapers (e.g., *Wall St. Journal*, *Los Angeles Times*, *Washington Post*) and science magazines (e.g., *Scientific American*, *Technology Review*, *Wired*). For the past several years he has been working on business firm dynamics, using data on all U.S. companies. Such ABMS involve more than 100 million interacting agents representing employees who form 6 million firms having size, ages, growth rates, and so on that conform closely with the empirical data on American businesses. This work, the first model of an actual economy at 1:1 scale, is described at length in his forthcoming book, *Dynamics of Firms: Data, Theories, and Models*, due out from MIT Press next year.



Danielle Bassett

Primary Appointment Associate Professor of Bioengineering

Secondary Appointment Professor of Physics and Astronomy

University of Pennsylvania & The Santa Fe Institute

Prof. Bassett is the J. Peter Skirkanich Professor at the University of Pennsylvania, with appointments in the Departments of Bioengineering, Electrical & Systems Engineering, Physics & Astronomy, Neurology, and Psychiatry. They are also an external professor of the Santa Fe Institute. Bassett is most well-known for blending neural and systems engineering to identify fundamental mechanisms of cognition and disease in human brain networks. They received a B.S. in physics from Penn State University and a Ph.D. in physics from the University of Cambridge, UK as a Churchill Scholar, and as an NIH Health Sciences Scholar. Following a postdoctoral position at UC Santa Barbara, Bassett was a Junior Research Fellow at the Sage Center for the Study of the Mind. They have received multiple prestigious awards, including American Psychological Association's 'Rising Star' (2012), Alfred P Sloan Research Fellow (2014), MacArthur Fellow Genius Grant (2014), Early Academic Achievement Award from the IEEE Engineering in Medicine and Biology Society (2015), Harvard Higher Education Leader (2015), Office of Naval Research Young Investigator (2015), National Science Foundation CAREER (2016), Popular Science Brilliant 10 (2016), Lagrange Prize in Complex Systems Science (2017), Erdos-Renyi Prize in Network Science (2018), OHBM Young Investigator Award (2020), AIMBE College of Fellows (2020). Bassett is the author of more than 300 peer-reviewed publications, which have garnered over 32,000 citations, as well as numerous book chapters and teaching materials. Bassett's work has been supported by the National Science Foundation, the National Institutes of Health, the Army Research Office, the Army Research Laboratory, the Office of Naval Research, the Department of Defense, the Alfred P Sloan Foundation, the John D and Catherine T MacArthur Foundation, the Paul Allen Foundation, the ISI Foundation, and the Center for Curiosity.



Aylin Caliskan

Assistant Professor

The Information School

The University of Washington

Aylin Caliskan is an assistant professor in the Information School at the University of Washington. Caliskan's research interests lie in artificial intelligence (AI) ethics, bias in AI, machine learning, and the implications of machine intelligence on privacy and equity. She investigates the reasoning behind biased AI representations and decisions by developing theoretically grounded statistical methods that uncover and quantify the biases of machines. Building these transparency enhancing algorithms involves the use of machine learning, natural language processing, and computer vision to interpret AI and gain insights about bias in machines as well as society. Caliskan's publication in *Science* demonstrated how semantics derived from language corpora contain human-like biases. Their work on machine learning's impact on individuals and society received the best talk and best paper awards. Caliskan was selected as a Rising Star in EECS at Stanford University. Caliskan holds a Ph.D. in Computer Science from Drexel University's College of Computing & Informatics and a Master of Science in Robotics from the University of Pennsylvania. Caliskan was a Postdoctoral Researcher and a Fellow at Princeton University's Center for Information Technology Policy. In 2021, Caliskan was named a Nonresident Fellow at the Brookings Institution.



Simon DeDeo

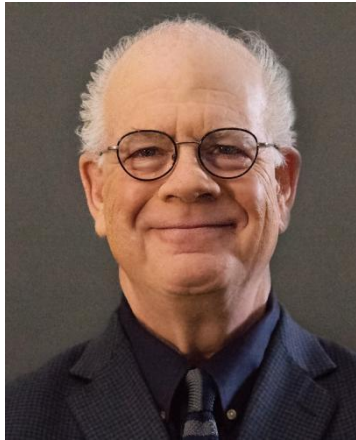
Assistant Professor

Dietrich College of Humanities and Social Sciences

Carnegie Mellon University

The Santa Fe Institute

I am an Assistant Professor in Social and Decision Sciences at Carnegie Mellon University, and External Professor at the Santa Fe Institute. I was previously affiliated with Complex Systems and the Cognitive Science Program at Indiana University. At the Laboratory for Social Minds we undertake empirical investigations, and build mathematical theories, of both historical and contemporary phenomena. We range from the centuries-long timescales of cultural evolution to the second-by-second emergence of social hierarchy in the non-human animals, from the editors of Wikipedia to the French Revolution to the gas stations of Indiana. We create synthetic, deep-time accounts of major transitions in political order, with the goal of the predicting and understanding our species' future.



Joshua Epstein

Professor

School of Global Public Health

New York University

Dr. Epstein is Professor of Epidemiology in the NYU School of Global Public Health, and Director of the NYU Agent-Based Modeling Laboratory, with affiliated appointments at The Courant Institute of Mathematical Sciences and the NYU DEpartment of Politics. He is an External Fellow of the Santa Fe Institute. Prior to joining NYU, he was Professor of Emergency Medicine at Johns Hopkins, and Director of the Center for Advanced Modeling in the Social, Behavior, and Health Sciences, with Joint appointments in Economics, Applied Mathematics, International Health, and Biostatistics. Before that, he was Senior Fellow in Economic Studies at the Brookings Institution and Director of the Center on Social and Economic Dynamics. Throughout, his interest has been modeling complex social dynamics using mathematical and computational methods, notably the method of Agent-Based Modeling in which he is a recognized pioneer. His many honors include an NIH Director's Pioneer Award and an Honorary Doctorate of Science from Amherst College, his alma mater. He received his PhD from MIT and has authored several books on mathematical and agent-based modeling, most recently, *Agent_Zero* (Princeton, 2014), the topic of his presentation.



James A. Evans

Professor

Department of Sociology

University of Chicago

My research focuses on the collective system of thinking and knowing, ranging from the distribution of attention and intuition, the origin of ideas and shared habits of reasoning to processes of agreement (and dispute), accumulation of certainty (and doubt), and the texture—novelty, ambiguity, topology—of understanding. I am especially interested in innovation—how new ideas and practices emerge—and the role that social and technical institutions (e.g., the Internet, markets, collaborations) play in collective cognition and discovery. Much of my work has focused on areas of modern science and technology, but I am also interested in other domains of knowledge—news, law, religion, gossip, hunches, machine and historical modes of thinking and knowing. I support the creation of novel observatories for human understanding and action through crowd sourcing, information extraction from text and images, and the use of distributed sensors (e.g., RFID tags, cell phones). I use machine learning, generative modeling, social and semantic network representations to explore knowledge processes, scale up interpretive and field-methods, and create alternatives to current discovery regimes. My research has been supported by the National Science Foundation, the National Institutes of Health, the Air Force office of Science Research, and many philanthropic sources, and has been published in *Nature*, *Science*, *Proceedings of the National Academy of Science*, *American Journal of Sociology*, *American Sociological Review*, *Social Studies of Science*, *Research Policy*, *Critical Theory*, *Administrative Science Quarterly*, and other outlets. My work has been featured in the *Economist*, *Atlantic Monthly*, *Wired*, *NPR*, *BBC*, *El País*, *CNN*, *Le Monde*, and many other outlets.

At Chicago, I am Director of Knowledge Lab, which has collaborative, granting and employment opportunities, as well as ongoing seminars. I also founded and now direct on the Computational Social Science program at Chicago, and sponsor an associated Computational Social Science workshop. I teach courses in augmented intelligence, the history of modern science, science studies, computational content analysis, and Internet and Society. Before Chicago, I received my doctorate in sociology from Stanford University, served as a research associate in the Negotiation, Organizations, and Markets group at Harvard Business School, started a private high school focused on project-based arts education, and completed a B. A. in Anthropology at Brigham Young University.



Xiaoming Fu

Professor

Institute of Computer Science

University of Gottingen

Xiaoming Fu received his Ph.D. from Tsinghua University and is currently Professor of Computer Science at University of Göttingen, Germany. He is interested in networked systems and services, cloud computing, mobile computing, big data and social networks. He has served on several journal editorial boards (e.g., *IEEE Transactions on Network Science and Engineering*, *IEEE Transactions on Network and Service Management*, *IEEE Communications Magazine*, *Elsevier Computer Communications*) and conference committees (e.g., *SIGCOMM*, *MobiCom*, *CoNEXT*, *INFOCOM*, *ICNP*, *COSN*), and as elected officers of *IEEE Communications Society Technical Committees on Computer Communications (TCCC)* and *Internet (ITC)*. He is a fellow of Institution of Engineering and Technology (IET) and Academia Europaea (The Academy of Europe), an IEEE Senior Member and IEEE Distinguished Lecturer.



Xin Gao

Ph.D. Candidate

Sociology Dept.

Tsinghua University

Xin Gao is a Ph.D. Candidate of Sociology Dept., Tsinghua University in Beijing.
Her research interests include social network studies and organization behavior.



Xiaobin He

Associate Professor

School of Social Sciences

Tsinghua University

Xiaobin He is an associate professor at the Department of Sociology at Tsinghua University. He received his MS degree in statistics and PhD in sociology in 2006 and 2010 from Stanford University. His research interests focus on organizational and economic sociology, entrepreneurship and Innovation, quantitative sociology etc. He has published more than 60 research papers in Chinese and English journals such as *Computers in Human Behavior*, *Entrepreneurship Theory and Practice*, *Social Science Research*, *Sociological Studies* (in Chinese), *Economic Research Journal* (in Chinese) and *Management World* (in Chinese). He has been in charge of or participated in more than 10 State-funded research projects.

His recent research topics include market transition and social transformation in China, social security of workers in the Gig Economy, the social foundation of innovation etc.



Bo Huang

Professor

Computational Social Science Laboratory

Faculty of Social Science

The Chinese University of Hong Kong

Bo Huang, Professor, Faculty of Social Science, CUHK; CJ Scholar Chair Professor, Southwest Jiao Tong University ; Associate Director of Institute of Space and Earth Information Science. Professor Bo Huang has been awarded the Ministry of Education (MoE) Higher Education Outstanding Scientific Research Output Award 2020 (Second Class Award in Natural Sciences) for the research titled “Theory and methodology for spatiotemporal multi-scale data fusion”. His current research and teaching interests include Spatio-temporal data analytics, GIS for sustainable urban/transportation/land use planning, Unified image fusion for sustainable urban environment, Spatial statistics for land use change modeling, Multi-objective optimization for spatial planning with consideration of vulnerability and resilience.



Jianmin Jia

Professor

Shenzhen Finance Institute

The Chinese University of Hong Kong, Shenzhen

Prof. Jianmin Jia is the presidential chair professor at CUHK-Shenzhen. He was a Professor and Chairman in Department of Marketing at CUHK, Chang Jiang Chair Professor, and Dean of School of Economics and Management, Southwest Jiaotong University, China. Prof. Jia served as a member of the National MBA Education Supervisory Committee of China, a member of the Expert Consultation Committee of the Management Sciences Department of NSFC, Associate Editor of *Operations Research*, Academic Trustee of Marketing Science Institute (US). He received the 2019 Fudan Outstanding Contribution Award of Management, and his research interests include big data behavioral research, social networks, and decision making under risk. Prof. Jia published in *Nature*, *Nature Communications*, *Management Science*, *Marketing Science*, *Psychological Science*, *Journal of Consumer Research*, *Operations Research*, and other international and Chinese journals.



Jar-Der Luo

Professor

School of Social Sciences & School of Public Policy and Management

Chairman of Tsinghua Social Network Research Center

Tsinghua University

Luo Jar-Der is a professor of Sociology Dept., Tsinghua University in Beijing, president of Chinese Network for Social Network Studies, and chairman of Tsinghua Social Network Research Center. He earned his Ph.D. degree in Sociology Dept. of State U. of New York at Stony Brook. He researches numerous topics in social network studies, including social capital, trust, social network analysis in big data, self-organization process and Chinese indigenous management researches, such as guanxi and guanxi circle.

Luo Jar-Der, with a group of voluntary network theorists, organized Chinese Network for Social Network Studies (in brief, CNSNS) in 2005. Its purposes aim at promoting Network Theories and Social Network Analysis in China and developing network theories suited for Chinese management. Chinese always describe themselves as a “Ren-Ching society”, that is, roughly saying, a society built upon social ties (guanxi) and favor exchanges (Ren-Ching- jiau-huan).

Luo Jar-Der organized Community Revitalization Research Center in Tsinghua U., which aims at doing experiments in communities and establishing a model for sustainable revitalization in urban and rural areas that emphasizes sustainability of the local ecology, economy, and social systems. We will endeavor to implement a revitalization model combining private-public partnership and sustainable concepts into practice, incorporating scientific planning, balanced development, step-by-step implementation and self-reliance of local community into our plan.



Jan Nagler

Professor

Frankfurt School of Finance and Management

Jan Nagler studied physics in Kiel, Germany, before he went for his PhD (on dynamical systems, in particular problems in chaotic astrophysics) to Bremen, Germany. His scientific positions include Boston University, USA (research on networks and econophysics), the Max-Planck-Institute for Dynamics and Self-Organization, Goettingen, Germany, and Group Leader at ETH Zurich & ETH Risk Center, Switzerland. Since 2016 he is the Vice Chair of the Physics of Socio-economic Systems Division of the German Physical Society. His research includes the understanding and control of networked stochastic systems, with applications at the interface between physics, biology, and socio-economic systems, in particular game theory and phase transitions, ergodicity breaking and risk and survival in uncertain environments. In 2018, Jan Nagler joined the Centre for Human and Machine Intelligence, Frankfurt, as the Head of the Deep Dynamics Group, which aims for a deep understanding of real-world system dynamics in finance, economics, ecology, physics and socio-technological systems, in particular networks and networked socio-economic systems. His work was published and has been featured in journals such as *Nature*, *Science*, *Nature Physics* and in several media outlets. Since 2020 he hosts Podcasts.



Oshani Seneviratne

Director of Health Data Research,

Rensselaer Polytechnic Institute

Oshani Seneviratne is the Director of Health Data Research at Rensselaer Polytechnic Institute. Oshani obtained her Ph.D. in Computer Science from the Massachusetts Institute of Technology (MIT) under the supervision of Sir Tim Berners-Lee, the inventor of the World Wide Web. Oshani's research interests span data integration in knowledge graphs, artificial intelligence, accountable and decentralized systems, including web and blockchain technologies. Oshani has published over 50 articles in these research areas and won the Yahoo! Key Scientific Challenge Award for her dissertation work. She has co-founded and co-organized the AIChain workshop series co-located with the IEEE Blockchain conference, the Personal Health Knowledge Graph workshop series at the Knowledge Graph Conference, and the AAAI Symposium on AI for Social Good. Oshani has served in the organizing committees of the International Semantic Web Conference, Web Science conference and is the program chair for Web Science in 2022. Oshani is currently a co-editor of the Semantic Technologies for Data and Algorithmic Governance issue at the Semantic Web Journal and the Personal Health special issue at the Data Intelligence journal. She also actively reviews for the journals such as *Web Semantics*, *Medical Internet Research*, *Biomedical and Health Informatics*, and many conferences.



Gareth Tyson

Senior Lecturer

Queen Mary University of London

Gareth Tyson is a Senior Lecturer at Queen Mary University of London, and a Fellow at the Alan Turing Institute. His research is in the broad area of Internet Data Science. He particularly focuses on the intersection between networking and web measurements, and has published extensively in venues such as SIGMETRICS, WWW, IMC, ICWSM etc. His research has also received coverage from news outlets such as *MIT Tech Review*, *Washington Post*, *Slashdot*, *BBC*, *The Times*, *Wired*, *Science Daily*, *Ars Technica*, *The Independent*, *Business Insider* and *The Register*.



Feiyue Wang

Professor

Institute of Automation

Chinese Academy of Sciences

Prof. Feiyue Wang is the director of the State Key Laboratory of Management and Control for Complex Systems, Institute of Automation, Chinese Academy of Sciences, China. Prof. His research and teaching interests include Modeling, Analysis, and Control Mechanism of Complex Systems, Linguistic Dynamic Systems (LDS), Intelligent Control Systems, Parallel Intelligence, Social Energy and Social Computing, Knowledge Automation.



Xinyue Ye

Harold L. Adams Endowed Professorship

Department of Landscape Architecture and Urban Planning

Texas A&M University, USA

Dr. Xinyue Ye is Stellar Faculty Provost Target Hire at Department of Landscape Architecture and Urban Planning at Texas A&M University, where he directs Urban Data Science Lab. With the career backgrounds in planning, geography, and computing, his research focuses on geospatial artificial intelligence and urban informatics. He models the space-time perspective of socioeconomic inequality and human dynamics for applications in various domains, such as disaster response, economic development, public health, and transportation. He was the recipient of annual faculty research awards from both computing (New Jersey Institute of Technology) and geography (Kent State University). His work has been funded by National Science Foundation, National Institute of Justice, Department of Commerce, and Department of Energy.

Chinese Section

中文会场



陈云松

Yunsong Chen

教 授

南京大学社会学院

陈云松教授为牛津大学博士，南京大学社会学系教授、博导，教育部“青年长江学者”，国家社科基金重大项目首席专家。兼任中国社会学会副秘书长、计算社会学专委会副会长、英国社会学会刊Sociology国际顾问，SSCI知名刊物Social Science Review、Chinese Sociological Review及新刊Journal of Social Computing编委，主持汉译《牛津社会学词典》，在Routledge、商务印书馆等出版著作多部，在《中国社会科学》《社会学研究》和British Journal of Sociology、Social Networks、Social Science & Medicine 及 Scientific Reports等知名刊物发表论文多篇。曾获中国城市百人论坛首届“青年学者奖”、两次获江苏省哲学社会科学优秀成果一等奖。主要研究领域为社会心态与社会治理、社会资本与社会网、定量研究方法和计算社会学。



陈 阳

Yang Chen

副教授

复旦大学计算机科学技术学院

陈阳博士2004年于清华大学电子工程系获学士学位,2009年7月于清华大学电子工程系获博士学位,于2009年9月至2011年4月在德国哥廷根大学计算机科学研究所从事博士后研究。2011年4月至2014年9月在美国杜克大学计算机科学系从事博士后研究。2014年10月起在复旦大学计算机科学技术学院工作,现任副教授、博士生导师。2014年获Amazon Web Services (AWS) in Education Research Grant Award, 2015年获Microsoft Azure Research Award, 2016年入选上海市浦江人才计划, 2018年获得Nokia Visting Professor Scholarship。

主要研究方向包括社会计算、计算机网络及数据挖掘。根据Google Scholar统计,已发表论文共获1700多次引用,H指数为 23。论文发表在 IEEE TDSC、IEEE TKDE、IEEE TPDS、IEEE TMC、ACM TWEB、IEEE TSC、IEEE TCSS、IEEE TNSM、IEEE Communications Magazine、IEEE Software等高水平国际期刊以及INFOCOM、ICDCS、Middleware、ICDE、CIKM、ACSAC等知名国际会议上。

现任CCF互联网专委会委员、CCF协同计算专委会委员、上海市计算机学会网络专委会副主任委员。在学术服务方面,担任IEEE和清华大学出版社共同出版的国际期刊《Journal of Social Computing》副主编,SCI期刊《Computer Communications》(Elsevier)、《Transactions on Emerging Telecommunications Technologies》(Wiley)和《IEEE Access》编委,ACM SOSP'17 Registration Chair, ACM SIGCOMM'21 Tutorial Chair,并在WWW、IJCAI、AAAI、ECAI、IWQoS、DASFAA等学术会议多次担任程序委员会委员。



谷伟伟

Weiwei Gu

讲 师

北京化工大学信息科学与技术学院

谷伟伟，北京化工大学信息科学与技术学院讲师。北京师范大学系统科学学院与印第安纳大学信息科学与技术学院联合培养博士。主要研究方向为网络表征学习、社会网络分析。以第一作者或通讯作者在Nature Communications, Social Networks, Scientific Reports, IEEE Access, Journal of Social Computing等多个SCI与SSCI期刊发表论文，累积发表学术论文十篇。主持多项研究课题；并在Conference on Complex Systems, Statphys, NetSci, NetSciX等多个国际大会上作大会报告与口头报告。现为中国AI学会社会智能与社会计算专业委员会，CAAI学会社会计算青年专委，Scientific Reports, Journal of Social Computing, Social Networks等多个SCI与SSCI期刊的审稿人。



刘涛雄

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刘涛雄是清华大学社科学院经济学研究所教授，清华大学创新与发展研究院执行院长。他分别于清华大学汽车工程系、清华大学经济管理学院、清华大学公共管理学院获得学士、硕士和博士学位；曾任日本东北大学、中央大学客座教授，美国哈佛大学访问学者；曾获中国信息经济学会理论贡献奖，北京市哲学社会科学优秀成果二等奖，中国高等教育学会优秀高教科研论文二等奖等，《中国国防经济》年度优秀论文等。他的研究领域主要包括经济增长与创新、大数据经济分析、货币政策与宏观经济、新政治经济学。



刘知远

Zhiyuan Liu

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刘知远，清华大学计算机科学与技术系智能技术与系统国家重点实验室副教授。他于2006年在清华大学计算机系获得了学士学位，于2011年获得了博士学位，2011年至2013年在清华大学计算机系从事博士后研究。他的研究兴趣为知识图谱与语义计算，社会计算与计算社会科学等。他在人工智能和NLP领域的顶级会议和期刊上发表了100多篇论文，包括ACL、EMNLP、IJCAI和AAAI；Google Scholar上的引用次数超过17000次。他获得的奖项包括清华大学优秀博士学位论文、中国人工智能协会优秀博士学位论文、清华大学优秀博士后、麻省理工学院35岁以下技术评论创新者（MIT TR-35 China）、BAAI青年科学家。目前，他担任AI Open的副编辑，ACL、EMNLP、WWW、CIKM、COLING等的领域主席（Track/Area Chairs）。



吴 超

Chao Wu

副教授

浙江大学公共管理学院

吴超，浙江大学公共管理学院长聘副教授，人工智能协同创新中心研究员，博士生导师，计算社会科学研究中心主任，伦敦帝国理工学院计算机系荣誉研究员。研究方向为联邦学习和分布式建模、数据隐私保护和数据定价、计算社会科学等。在 AAAI、ICCV、KDD 等国际会议和期刊上发表论文 60 余篇，主持包括国家自然科学基金重点类项目在内的多个科研项目。



杨 虎

Hu Yang

副教授

中央财经大学信息学院

杨虎，中央财经大学信息学院副教授。他于2004年在大连海事大学轮机工程专业获得学士学位，2007年于国防科学技术大学获得软件工程硕士学位，2014年在中国人民大学统计学专业获得博士学位。他的研究方向为大数据分析、统计计算，电子商务。



周 斌

Bin Zhou

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江苏科技大学经济管理学院

周斌，江苏科技大学，经济管理学院教授，博士毕业于中国科学技术大学，主要以大数据统计分析为基础，从事复杂系统，网络科学，计算社会科学等领域的研究，其研究成果发表在Nature子刊《Nature Human Behaviour》，美国科学院院刊《PNAS》，《Social Networks》等学术期刊上，主持完成国家自然科学基金项目一项，荣获全国复杂网络大会大数据竞赛一等奖、江苏省高等学校科学技术研究成果奖二等奖和江苏省青蓝工程优秀骨干教师，本校复杂系统与网络科学创新团队负责人及研究中心主任。



周 涛

Tao Zhou

教 授

电子科技大学计算机科学与工程学院

周涛教授主要从事复杂性科学和大数据挖掘算法和应用研究，先后攻克推荐系统准确性-多样性困境、复杂网络链路可预测性、H指数-度-核心度关系等图挖掘领域的重要难题，成果发表在PNAS, Nature Communications, Physics Reports, KDD和ICDM等国际顶尖期刊和会议上。目前论文google总引用超过14000次，其中8篇论文入选ESI高引用论文，H指数为57，2014和2015连续两年入选Elsevier最具国际影响力中国科学家名单。

因其在科学研究上的杰出表现，2011年获得第十二届中国青年科技奖（最年轻获奖者），2011年入选四川省“百人计划”，2012年获得国家首批优秀青年科学基金资助，2013年入选国家“万人计划”首批青年拔尖人才支持计划，2014年获得四川省科技进步一等奖、中国计算机学会自然科学奖，2015年获得共青团中央授予的“最美青年科技工作者”称号，并与屠呦呦等七名个人和北斗导航等三个团队共同当选2015年度中国十大科技创新人物。



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