



华中科技大学管理学院
School of Management, Huazhong University of Science & Technology



ROBERT H. SMITH
SCHOOL OF BUSINESS

2022 HUST-UMD International Academic Conference on Management Science

2022华中科技大学-马里兰大学管理学学术年会

CONFERENCE HANDBOOK

► 会议手册 ◀



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PART 01

CONFERENCE INFORMATION

会议信息

- Overview | 会议简介
- Organizer | 主办单位
- Co-organizer | 协办单位
- Agenda | 大会日程

Overview

会议简介

2022 HUST-UMD International Academic Conference on Management Science will be held on December 5, 2022 (UMD December 4, 2022), jointly organized by the School of Management, Huazhong University of Science & Technology and Robert H. Smith School of Business, University of Maryland. Themed on "Innovation in Management Theory and Practice in the Age of Digital Intelligence", renowned scholars in the field of management in China and U.S. will focus on "Supply Chain Resilience and Security", "Organizational Reform", "Smart Healthcare" and "Climate Change and Economic Development". The conference aims to promote the high-level development of management disciplines and enhance the international level of academic cooperation in the post-epidemic era.

2022 华中科技大学-马里兰大学管理学学术年会将于北京时间 2022 年 12 月 5 日（马里兰时间 2022 年 12 月 4 日）举行，大会由华中科技大学管理学院和美国马里兰大学史密斯商学院联合举办。大会以“数智时代的管理理论与实践创新”为主题，国内外管理学领域的知名学者将围绕“供应链韧性与安全”、“组织变革”、“智慧医疗”、“气候变化与经济发展”四大议题进行报告与交流。大会旨在推动管理学科领域高水平发展，提升后疫情时代下学术合作的国际化水平。



Theme | 主题

Innovation in Management Theory and Practice in the Age of Digital Intelligence

数智时代的管理理论与实践创新

Topics | 议题

Supply Chain Resilience and Security

供应链韧性与安全

Organizational Reform

组织变革

Smart Healthcare

智慧医疗

Climate Change and Economic Development

气候变化与经济发展

Conference Chairs | 大会主席

Zhi YANG, Dean and Professor, School of Management, Huazhong University of Science & Technology

杨治 华中科技大学管理学院院长、教授

Zhi-Long CHEN, Professor, Robert H. Smith School of Business, University of Maryland

陈志龙 马里兰大学史密斯商学院教授

Conference Executive Vice Chair | 大会执行副主席

Jianbin LI, Vice Dean and Professor, School of Management, Huazhong University of Science & Technology

李建斌 华中科技大学管理学院副院长、教授

Organizer

主办单位

Huazhong University of Science and Technology (HUST) is a comprehensive and key national university under the direct supervision of the Ministry of Education and it's also in the list of the first batch of "Double First-Class" Initiative.

The School of Management of Huazhong University of Science and Technology (SOM, HUST) was established in 1979 and always adhering to HUST's motto of "Integrity, Knowledge, Truth, Creativity". Relying on HUST's advantaged disciplines and strong faculty, SOM aims to create cutting-edge and forward-looking body of knowledge, management methodology and technology system. It is committed to cultivating business leaders and professional talents with global strategic vision, innovative spirit and professional ethics to lead enterprise transformation and promote social development.

SOM is accredited by AMBA and AACSB. In 2021 THE World University Rankings' China Subject Rating, Management Science and Engineering and Business Administration were both rated A. In 2022 Shanghai Ranking's Global Ranking of Academic Subjects, Business Administration ranked No.1 and Management Science ranked No.3-5 in Chinese Mainland.

华中科技大学是国家教育部直属重点综合性大学，是首批“双一流”建设高校。

华中科技大学管理学院组建于 1979 年，始终秉承华中科技大学“明德厚学，求是创新”的校训；依托华中科技大学优势学科资源和雄厚的师资力量，创造具有前沿性及前瞻性的管理知识体系、管理方法和管理技术体系，致力于培养推动社会进步与引领企业变革发展的具有全球战略眼光、创新精神和职业品德的商界精英和职业管理人才。

学院先后荣获 AMBA、AACSB 国际权威认证。在泰晤士第二届中国学科评级中，学院两个一级学科工商管理和管理科学与工程双双获“A”。2022 年，在软科世界一流学科排名中，工商管理位列内地高校第 1，管理学在内地高校排名第 3-5。

Co-organizer

协办单位

The University of Maryland was founded in 1856 and is one of the leading public research universities in the United States. It is a member of the prestigious Big Ten Universities and is known as the "Public Ivy". According to US News, it ranks 15th in the US in 2022.

One of 12 colleges and schools at the University of Maryland in College Park, the Smith School is plugged into the business, government, nonprofit and professional networks of the Washington, D.C., metroplex. Our community of scholars and practitioners is deeply supportive of learning while equipping students to succeed in an often contentious marketplace. Our broad range of programs, certificates and degrees are designed to prepare working professionals to hit the ground running in a world economy that is in flux, with technology and global competition accelerating the pace of change. To do that, the School offers undergraduate, online and on-campus business master's, full-time, part-time, online and executive MBA, and PhD degree programs, and non-degree and executive education programs.

马里兰大学始建于1856年，是美国著名公立研究型大学。美国知名的十大联盟（Big Ten）成员校之一，被誉为“公立常春藤”。2022年US News全球最佳学校排名中，美国公立学校排名第15位。

作为马里兰大学帕克分校的12所学院之一，史密斯商学院与华盛顿特区都市区的商业、政府、非营利组织和专业网络紧密相连。其学者和从业人员不仅积极支持学生学习，而且促使学生在竞争性的市场上取得成功。在技术和全球竞争加速时代变化的大背景下，学院广泛的项目旨在为在职人员做好准备，帮助他们在变化的世界经济环境中打下基础。因此，学院开设本科项目、线上和线下商科硕士项目、全日制和非全日制的线上MBA和EMBA项目以及博士学位项目、非学历教育和高管教育项目。

Agenda

大会日程

December 5, 2022 (HUST) December 4, 2022(UMD)		
ZOOM: 879 1677 3989, Password: 1037		
Time	Agenda	
	Opening Ceremony	
08:10-08:30 (HUST) 19:10-19:30 (UMD)	Host: Jianbin LI, Vice Dean, School of Management, HUST Opening Speech: 1. Jianguo CHEN, Vice President, HUST 2. Representative, Robert H. Smith School of Business, UMD 3. Zhi YANG, Dean, School of Management, HUST	
	Group Photo	
Keynote Speech Sessions I		
08:30-09:15 (HUST) 19:30-20:15 (UMD)	Topic: Online Integrated Production and Distribution Scheduling Zhi-Long CHEN , Professor of Decision, Operations & Information Technologies, University of Maryland	Host: Peng HU(HUST)
09:15-10:00 (HUST) 20:15-21:00 (UMD)	Topic: Expert Network Calls Sean CAO , Associate Professor of Accounting and Information Assurance, University of Maryland	Host: Xuefeng ZHAO(HUST)
10:00-10:45 (HUST) 21:00-21:45 (UMD)	Topic: Artificial Intelligence, Firm Growth, and Product Innovation Alex Xi HE , Assistant Professor of Finance, University of Maryland	Host: Guang LUO(HUST)
10:45-11:30 (HUST) 21:45-22:30 (UMD)	Topic: Contemptuous CEOs and Management Forecasts Ru GAO (Tina GAO) , Professor of Accounting, Huazhong University of Science and Technology	Host: Pengcheng ZHANG (HUST)

Time	Agenda	
Keynote Speech Sessions II		
14:00-14:45 (HUST)	Topic: Does the Rise of Robots Lead to More Dominant Human Leaders? Evidence from Earnings Conference Calls Zheng WANG , Associate Professor of Accountancy, City University of Hong Kong	Host: Min TENG (HUST)
14:45- 15:30 (HUST)	Topic: Combining Empowering and Shared Leadership to Boost Effectiveness in Remotely-Working Teams Yuntao DONG , Associate Professor of Organization and Strategy, Peking University	Host: Yiyuan MAI (HUST)
15:30- 15:45 (HUST)	Break	
15:45-16:30 (HUST)	Topic: Selecting mutual funds from the stocks they hold: a machine learning approach Bin LI , Professor of Finance, Wuhan University	Host: Qingsong HOU (HUST)
16:30- 17:15 (HUST)	Interaction and Exchange Session	Host: Antai LI (HUST)
Closing Ceremony		
17:15-17:30 (HUST)	Host: Jianbin LI, Vice Dean, School of Management, HUST Closing Speech: Yanhua HU, Chairman of the School Board, School of Management, HUST	
	Group Photo	

PART **02**

KEYNOTE SPEECHES

主题报告

- Keynote Speeches | 主题报告

Keynote Speaker



Zhi-Long CHEN

Professor

Department of Decision, Operations & Information
Technologies

Robert H. Smith School of Business
University of Maryland

Dr. Chen received his PhD degree in Operations Research from Princeton University in 1997. He is currently Orkand Corporation Professor of Management Science, and Professor of Operations Management at the Robert H. Smith School of Business, University of Maryland, College Park, Maryland. His research interests cover supply chain scheduling, dynamic pricing, transportation and logistics operations, and optimization. He has served or is serving as an associate or senior editor of ISE Transactions, Journal of Scheduling, NRL, Networks, Operations Research, and Production and Operations Management.

Topic: Online Integrated Production and Distribution Scheduling

Abstract: As a growing number of manufacturers in various industries adopt the make-to-order business mode and a growing number of retailers sell online, we are seeing numerous decision problems that can be modeled as integrated production and distribution scheduling (IPDS) problems. In such problems, order processing and order delivery must be scheduled jointly in order to achieve an optimal balance between total operational cost and overall customer service level. Offline IPDS problems, where the information about every order is known in advance with certainty have been extensively studied. However, research on online IPDS problems, where orders arrive randomly with their information unknown until they arrive, is relatively recent, but is growing rapidly. In this talk, we first present several real-world applications to illustrate the importance of studying online IPDS problems from a practical point of view. We then discuss how such problems can be solved. Finally, we present a summary of the existing literature on online IPDS problems and discuss possible topics for future research.

Keynote Speaker



Sean CAO

Associate Professor

Department of Accounting and Information Assurance

Robert H. Smith School of Business

University of Maryland

Dr. Cao is an associate professor of AI, FinTech, and sustainability (with tenure) in the Robert H. Smith School of Business at the University of Maryland. He is also an affiliated professor at Harvard Business School (D³ Institute). Dr. Cao's research has been featured in the *Financial Times*, *CNBC*, *Bloomberg*, *The Guardian*, and *Quartz*. To date, Dr. Cao has given over 100 invited research talks at major research universities. Dr. Cao also serves as a guest associate editor at *Management Science*. In 2020 and 2022, Dr. Cao co-chaired conferences with the *Review of Financial Studies* (dual submission) on Fintech and Machine Learning. Dr. Cao is deeply committed to helping business communities through his research. He has been honored with the award by the Deloitte Initiative for AI and Learning (DIAL), leading to develop AI solutions for social inclusion and climate change. For teaching, Dr. Cao has been invited externally by major research universities to teach short-term doctoral seminars on AI and Fintech in finance and accounting. He also runs a tutorial blog site (YouTube: Sean Cao_Fintech or Bilibili ID: Seancoo_) that aims to help scholars outside of computer science smoothly adapt machine learning to finance and accounting research.

Topic: Expert Network Calls

Abstract: Expert networks provide investors with in-depth discussions with subject matter experts. Expert call demand is higher for younger, technology-oriented firms and those with greater intangible assets, consistent with demand for information on hard-to-value firms. Expert calls are more (less) likely to emphasize technology and operational (financial) topics relative to earnings calls. We find that expert call volume is associated with hedge fund position changes and greater price efficiency. The relation is asymmetric, with call volume preceding hedge fund sales, greater short interest, and negative firm performance. The evidence suggests that expert networks help investors discern complicated bad news.

----- Keynote Speaker -----



Alex Xi HE
Assistant Professor
Department of Finance
Robert H. Smith School of Business
University of Maryland

Alex Xi He is an Assistant Professor of Finance at the Smith School of Business at the University of Maryland. His primary research interest is in the area of empirical corporate finance including labor and finance, mergers and acquisitions, and entrepreneurship and innovation. His papers have been accepted in leading scholarly journals, such as the Quarterly Journal of Economics, the Journal of Finance, and the Journal of Economic Theory. He received his PhD in Economics from MIT and his BS in economics and mathematics with highest honors from Tsinghua University.

Topic: Artificial Intelligence, Firm Growth, and Product Innovation

Abstract: We study the use and economic impact of AI technologies. We propose a new measure of firm-level AI investments using worker resume data. Our measure reveals a stark increase in AI investments across sectors. AI-investing firms experience increased growth in sales, employment, and market valuations. This growth comes primarily through increased product innovation. Our results are robust to instrumenting AI investments using firms' exposure to universities' supply of AI graduates. AI-powered growth concentrates among ex-ante larger firms, leading to higher industry concentration. Our results highlight that new technologies like AI can contribute to growth and superstar firms through product innovation.

Keynote Speaker



Ru Gao (Tina Gao)

Professor

Department of Accounting

School of Management

Huazhong University of Science and Technology

Dr Gao joined the Discipline of Accounting at the Huazhong University of Science and Technology as a professor in November 2022. Before joining Business School, she worked at the University of Queensland as a senior lecturer and the University of New South Wales as a lecturer. She completed her PhD with University of New South Wales (UNSW) in 2014. Dr Gao also holds a Master of Philosophy in Accounting, a Master of Philosophy in Economics, a Bachelor of Commerce, and a Bachelor of Arts in English Language and Literature from Huazhong University of Science and Technology. She is a member of CPA Australia and also a reviewer for 9 SSCI journals including Contemporary Accounting Research, and Journal of Business Ethics. She teaches courses focused on financial accounting standards and financial accounting theories, with a particular focus on understanding the contemporary financial reporting issues. Her current research interest focuses on the impact of social media, big data, and data analytics, and artificial intelligence on accounting, auditing, and corporate governance. She has published in several academic journals such as Contemporary Accounting Research, Journal of Contemporary Accounting & Economics, Journal of Business Ethics, among others, and she is a recipient of 2018 Philip Brown Price and 2018 UQ Business School Early Career Researcher Excellence in Research Award.

Topic: Contemptuous CEOs and Management Forecasts

Abstract: This study examines how a CEO's contemptuous personality relates to the occurrence and quality of management earnings forecasts. We apply a machine-learning approach to analyse CEOs' facial expressions during their interviews at CNBC. We aggregate contempt expressions during the interviews and construct a measure of contemptuous personality. We hypothesize and find that contemptuous CEOs are less likely to issue management forecasts. Their earnings forecasts are of lower quality, i.e., more optimistically biased, less accurate, and less precise. Our results remain robust after controlling for CEOs' characteristics, firm fundamentals, and firm and year-fixed effects. Supplemental analyses suggest that financial analysts recognize CEOs' contemptuous personalities and are less sensitive to their biased forecasts. Further, independent boards can help mitigate contemptuous CEOs' detrimental influence on management forecast quality. Our study provides novel evidence that contemptuous personality as a CEO individual characteristic has an incremental ability to explain cross-sectional variations in management forecasting behavior.

Keynote Speaker



Zheng WANG
Associate Professor
Department of Accountancy
College of Business
City University of Hong Kong

Dr. Zheng Wang received her Ph.D degree in accounting from University of Maryland in US, her master degree in accounting and finance from London School of Economics in UK and her bachelor degree from Peking University in China. She is currently an associate professor in the department of accountancy of College of Business at City University of Hong Kong. Her research interests lie mainly in the area of capital market, corporate disclosure and tax. She has published papers at top accounting journals including the Accounting Review and Contemporary Accounting Research and top management journals including Organization Science and Production and Operations Management.

Topic: Does the Rise of Robots Lead to More Dominant Human Leaders? Evidence from Earnings Conference Calls

Abstract: This study examines how robotization can potentially change the dynamics at the top organizational hierarchy using earnings conference calls as a laboratory. Based on the evidence from the robotization literature, we argue that robotization increases CEOs' firm-specific knowledge by facilitating information processing, reducing operational variability, and flattening corporate hierarchies. As a result, we find that CEOs of firms with greater exposure to robotization play a more dominant role in speaking to outside investors during earnings conference calls. In addition, we find that this positive association between robot exposure and CEO dominance in earnings conference calls is stronger when firms face more operational complexity/uncertainty and when CEOs are younger or less experienced. Furthermore, we find that for firms with greater robot exposure, their CEOs also have a greater pay slice within the top executive team and have greater pay incentive relative to the executive team. Lastly, we show that when facing greater robot exposure, firms exhibit improved information environment and performance when their CEOs become more dominant.

Keynote Speaker



Yuntao DONG
Associate Professor
Department of Organization and Strategy
Guanghua School of Management
Peking University

Yuntao Dong is an associate professor in the Department of Organization and Strategy at Guanghua School of Management, Peking University. She received her Ph.D. from University of Maryland, College Park. Her research focuses on leadership and leader empowerment, creativity and proactivity, and employee emotional labor and resilience in the modern organizational environment via a multilevel lens. Yuntao's work has appeared in *Academy of Management Journal*, *Journal of Applied Psychology*, *Journal of Organizational Behavior*, and *Management and Organization* and is regarded as ESI highly cited paper. She is a senior editor of *Management and Organization Review* and the IACMR Rep-at-large for mainland China.

Topic: Combining Empowering and Shared Leadership to Boost Effectiveness in Remotely-Working Teams

Abstract: What is a viable, effective leadership strategy for teams working remotely? This research examines and tests the viability of a distributive leadership strategy that involves vertical empowering leadership enabling shared leadership in virtual teams. We used a mixed methods approach to test our model, which enabled us to triangulate empowering leadership operationalizations across virtual team contexts. Across a field study in a large professional services firm (Study 1) and one team experiment of undergraduate business students (Study 2), we found that empowering leadership positively influenced shared leadership, but that its effect on shared leadership also depended upon the amount of differentiation in team members' virtual communication with their leader. We also probed the implications of virtual contexts for team performance. Findings supported the nuanced viability of a combination of empowering leadership and shared leadership in virtual teams, sharpening theoretical insights and practical prescriptions for how leaders of teams working remotely can promote distribution of leadership and, ultimately, team success.

Keynote Speaker



Bin Li
Professor
Department of Finance
Economics and Management School
Wuhan University

Bin Li is a Professor of Finance at the Economics and Management School of Wuhan University. He is also Deputy Head of the Department of Finance and Director of the Financial Research Center at Wuhan University. His research areas include empirical asset pricing, machine learning in finance, and financial technology. He has interdisciplinary background and research experience in both finance and technology. His work has been published in business and technology journals or conferences such as *Journal of Accounting Research*, *Artificial Intelligence*, *Journal of Machine Learning Research*, *ICML*, *IJCAI*, etc.

Topic: Selecting mutual funds from the stocks they hold: a machine learning approach

Abstract: We select mutual funds in real time by combining individual fund holdings and a large number (94) of stock characteristics to compute fund-level exposures to characteristics on the basis of the stocks they hold. The majority of funds are exposed---both positively and negatively---to approximately 40-50 characteristics. In addition, fund performance is non-linearly related to fund characteristics and their interactions. This feature proves important when we predict fund performance, as machine learning methods such as boosted regression trees (BRTs) significantly outperform standard linear frameworks. Our BRT-generated forecasts encompass the ones generated by the predictors of mutual fund performance that have been proposed in the literature so far.

Organizer: School of Management,HUST

Co-organizer: RobertH.Smith School of Business,UMD

Undertaker: International Affairs Office, School of Managemnet, HUST

主办单位：华中科技大学管理学院

协办单位：马里兰大学史密斯商学院

承办单位：华中科技大学管理学院国际事务办公室