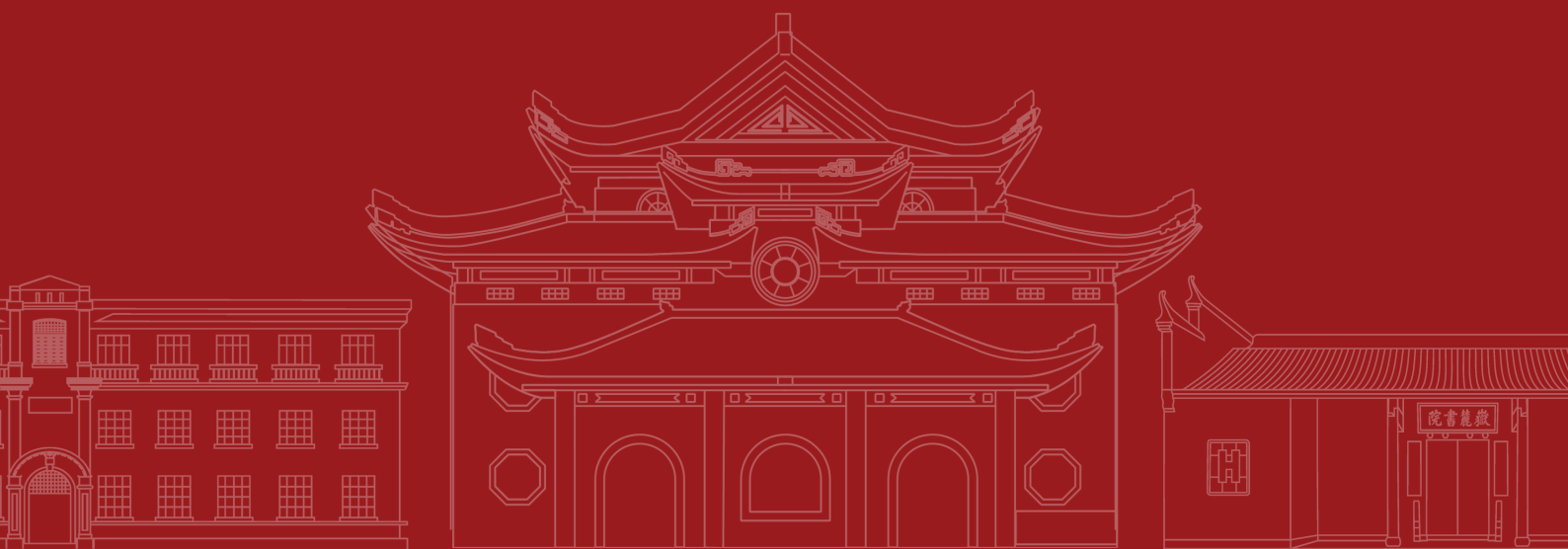




2023 INTERNATIONAL CONFERENCE ON CLIMATE AND ENERGY FINANCE (ICEF 2023)

New Trends in Climate Finance under
the Carbon Neutrality Target

June 2-4, 2023 Changsha, China



**2023 INTERNATIONAL
CONFERENCE ON CLIMATE
AND ENERGY FINANCE
(ICEF 2023)**





WELCOME

Dear colleagues and guests,

I am delighted and honored to welcome you all to Hunan University, a higher education institution with a 1047 year-old history and a unique cultural heritage that has continuously pursued academic excellence while respecting traditions. It is our pleasure to host the 2023 International Conference on Climate and Energy Finance (ICEF 2023) in Changsha, China, on 2-4 June 2023.

With the global challenges of climate change, more than 130 countries have committed to reaching carbon neutrality. This conference focuses on "New Trends in Climate Finance Under the Carbon Neutrality Target", which is a crucial topic in tackling the investment and financing problems related to net-zero transition. We believe that this conference will contribute to identifying new trends, ideas, conceptual and empirical perspectives, and effective solutions to climate finance.

During the conference, we will discuss various topics related to climate finance, such as energy market integration and carbon finance, and explore new ideas and cutting-edge researches. With participants from diverse backgrounds and expertise, this conference will provide a platform for interdisciplinary dialogues and academic exchanges that will contribute to facilitating critical insight into these issues.

On behalf of organizing committee and scientific committee, I express my sincerest appreciation to all the colleagues and guests for joining this conference and hope that you enjoy your stay in Changsha. I believe that the conference will be fruitful, inspiring, and valuable for all participants and that our collective efforts will contribute to the advancement of carbon neutrality and the promotion of new trends in climate finance.

Prof. Yue-Jun Zhang

Conference Chair

Vice dean, Business school, Hunan university, China

Director of Center for Resource and Environmental Management, Hunan University, China

ORGANIZERS



ISETS能源金融专委会
ISETS Energy Finance Network



中国优选法统筹法与经济数学研究会气候金融研究分会
Society for the Studies of Climate Finance, Chinese Society of Optimization, Overall
Planning and Economical Mathematics

HOST



湖南大学
Hunan University



湖南大学工商管理学院
Business School, Hunan University



湖南大学资源与环境管理研究中心
Center for Resource and Environmental Management, Hunan University

CO-ORGANIZERS



西南财经大学TIERS团队
TIERS, Southwestern University of Finance and Economics



中国科学院科技战略咨询研究院
Institutes of Science and Development, Chinese Academy of Sciences



湖南省系统工程与管理学会
Hunan Institute of Systems Engineering and Management



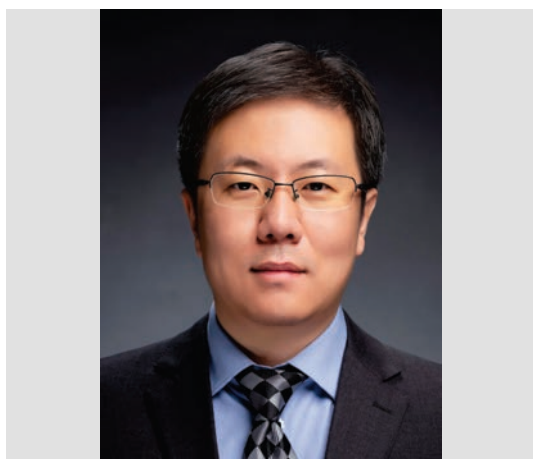
南京航空航天大学能源软科学中心
Research Center for Soft Energy Science, Nanjing University of Aeronautics and Astronautics



南京理工大学能源、环境与金融创新研究团队
Research Group of Energy Environment and Financial Innovation, Nanjing University of Science
and Technology



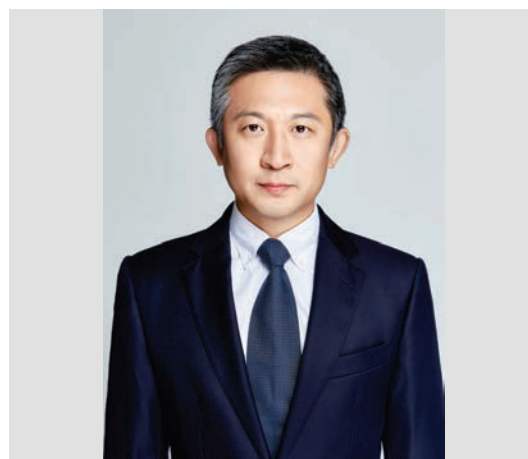
CONFERENCE CHAIRS



QIANG JI

CHINESE ACADEMY OF SCIENCES, CHINA

Qiang Ji is deputy director of Institute of System Analysis and Management in Institutes of Science and Development, Chinese Academy of Sciences (ISDCAS). He presides the program supported by Excellent Young Scientists Fund of National Natural Science Foundation of China and is granted the Excellent Member by Youth Innovation Promotion Association of CAS. He has been engaged in research work in the fields of energy strategic management, energy and climate finance, energy forecasting and risk management for a long time. He is the co-founder of China Energy Finance Network, vice president of International Society for Energy Transition Studies and Society for the Studies of Climate Finance. He is a founding editor of Journal of Climate Finance and serves as senior editors, associate editors and guest editors for over ten energy and financial journals, such as The Energy Journal and Energy Economics. He has published more than 150 SCI/SSCI indexed articles in peer-reviewed journals and has been named in the global "Highly Cited Researchers" lists in the year 2021 and 2022 released by Clarivate Analytics, and "World's Top 2% Scientists" lists released by Stanford University in the year 2020-2022.



DAYONG ZHANG

SOUTHWESTERN UNIVERSITY OF FINANCE
AND ECONOMICS, CHINA

Dayong Zhang is a professor of Financial Economics at Southwestern University of Finance and Economics (China). His research interests cover energy finance, climate finance, banking and finance, and general economic and financial issues in emerging economies. He is the chief investigator of Major Project of the National Social Science Fund of China (NSSFC), and principal investigator of over ten research grants from National Natural Science Foundation of China (NSFC) and other sources. He is the co-founder of China Energy Finance Network, the president of the Society for the Studies of Climate Finance (SSCF) in China, vice president of International Society for Energy Transition Studies (ISETS), the founding editor of Journal of Climate Finance, and the associate editor of journals including International Review of Financial Analysis, International Review of Economics and Finance, Finance Research Letters. He published over 100 articles in peer reviewed journals. His research appears in the Energy Journal, Energy Economics, Journal of Banking and Finance, and other top field journals. He has been named in the "Highly Cited Chinese Researchers" lists released by Elsevier in the year 2020-2022, and global "Highly Cited Researchers" lists released by Clarivate Analytics in the year 2021 and 2022.



YUE-JUN ZHANG
HUNAN UNIVERSITY, CHINA

Yue-Jun Zhang is the distinguished professor, vice dean of Business School and director of Center for Resource and Environmental Management at Hunan University. He is also the chair professor and young scholar of "Changjiang Scholars Programme" by the Ministry of Education, top young talent of National High-level Talent Special Support Plan by the Organization Department of the Communist Party of China Central Committee, and chief expert of Major Project of the National Social Science Fund of China. His research interests include crude oil asset pricing and forecasting, performance evaluation of energy and environmental policies, carbon emissions trading system and carbon reduction mechanisms, and energy transition and synergy management. He has been named in the "Highly Cited Researchers" list released by Clarivate Analytics, "Highly Cited Chinese Researchers" list released by Elsevier, and "World's Top 2% Scientists" list released by Stanford University. He has presided over ten research projects funded by the National Natural Science Foundation of China, National Social Science Fund of China, Ministry of Education, and others. He has published more than 160 papers in peer-reviewed academic journals, including The Energy Journal, Energy Economics, Environmental Science & Technology, Applied Energy, Journal of Forecasting, and European Journal of Operational Research, and 27 papers have been selected as ESI hot papers or highly cited papers. More than ten consulting reports proposed by his team have been approved by the Chinese central government. Besides, his research outputs have received the first or second prizes from the Ministry of Education of China and Hunan Province. Now he serves as vice president of the Society of Studies of Climate Finance and the China Energy Finance Network, as well as associate editor of Energy Economics, editor of Sustainable Production and Consumption and associate editor of Journal of Cleaner Production.

CONFERENCE CHAIRS
ICEF2023



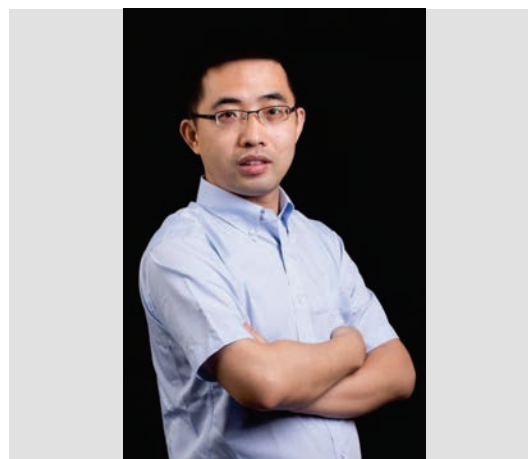
SCIENTIFIC COMMITTEE CHAIRS



XI LU

TSINGHUA UNIVERSITY, CHINA

Xi Lu is a tenured professor at the School of Environment, Tsinghua University. Prof. Lu received his PhD in John A. Paulson School of Engineering and Applied Sciences at Harvard University in 2010. After then, he continued working at Harvard as a postdoctoral fellow, research associate, and lecturer until joining Tsinghua in 2015. His research interests focus on the study of the sustainable development of renewable energy under the background of carbon neutrality. His primary research area concentrates on modeling complex systems of renewable energy, and integrated solutions of carbon neutral energy systems for the nation, cities and industrial parks. He published over 15 papers in Science, PNAS, Nature Energy, Nature Communications, Joule and Nature Sustainability on these topics. He won the Chinese Government Award for Outstanding Self-Financed Students Abroad in 2010 and received the National Science Fund for Excellent Young Scholars in 2017 and the National Science Fund for Distinguished Young Scholars in 2020.



QUNWEI WANG

NANJING UNIVERSITY OF AERONAUTICS AND
ASTRONAUTICS, CHINA

Qunwei Wang is the dean of the College of Economics and Management, Nanjing University of Aeronautics and Astronautics (NUAA), China. His research focuses on energy and environmental economics management, low-carbon operations management, energy and carbon finance. He presides over Excellent Young Scientist Foundation of NSFC, Major Program of National Social Science Fund of China and was selected to join the fourth batch of the National Ten Thousand Talent Program for Young Top-notch Talents. He has published more than 120 papers in international peer-reviewed journals, including Naval Research Logistics, Energy Economics, many of which are listed in the Web of Science Essential Scientific Indicators (ESI) database as highly cited papers (TOP1%), hot papers (TOP0.1%) or most cited articles in corresponding journal. He has been named in global "Highly Cited Researchers" list released by Clarivate Analytics, "Highly Cited Chinese Researchers" lists released by Elsevier in year 2020-2022, and "World's Top 2% Scientists" list released by Stanford University. He is the deputy president of Society for the Studies of Climate Finance affiliated to Chinese Society of Optimization, Overall Planning and Economic Mathematics (CSOPEM). For now, he serves as an associate editor of Energy Economics.



YUDONG WANG

**NANJING UNIVERSITY OF SCIENCE AND
TECHNOLOGY, CHINA**

Yudong Wang is a professor of Economics and Finance at Nanjing University of Science and Technology. He is interested in the area of energy finance and financial forecasting. He has published more than 100 papers in financial and forecasting journals including Management Science, Journal of Comparative Economics, Journal of Financial Markets, Journal of Banking and Finance, Journal of Empirical Finance, International Journal of Forecasting, Journal of Forecasting, Quantitative Finance, Journal of Futures Markets and Energy Economics. His papers are cited more than 6000 times in Google Scholar, and his H index is 43. In particular, the citations of his three papers published in Journal of Empirical Finance and Journal of Banking and Finance have all ranked first among papers published in their respective journals in the past five years. He has been named in the "Highly Cited Chinese Researchers" list in year 2019-2022 released by Elsevier, and "World's Top 2% Scientists" list released by Stanford University. As the leading member, his works won the third prize of social science award from Ministry of Education of China, and the first, second, and third prize of social science award from Jiangsu province in the past five years. His work was ever supported by Excellent Youth Foundation of China.

ICEF2023
SCIENTIFIC COMMITTEE
CHAIRS



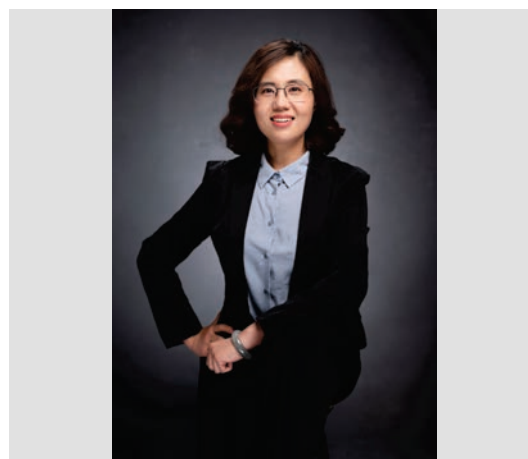
ORGANIZING COMMITTEE CHAIRS



ZHAO LIU

HUNAN UNIVERSITY, CHINA

Zhao Liu is a professor, vice dean of Business School, and distinguished professor of "Yuelu Scholars" at Hunan University. His research interests include energy efficiency and environmental performance evaluation, green technology and carbon peaking, management digitization and intelligentization. He is the chief investigator of the Major Project by National Social Science Foundation of China, and principal investigator of over ten research grants by the National Natural Science Foundation of China, National Social Science Fund of China, Ministry of Education, Hunan province and others. In addition, he has also presided over and participated in horizontal projects of government agencies, enterprises and public institutions. He has published over 30 papers in peer-reviewed journals, such as *Journal of Business Research*, *Decision Support System*, *Applied Energy* and *Energy Policy*, three of which have been selected as ESI hot papers or highly cited papers. His works have received the second prize from the Ministry of Education of China.



YAN XIA

CHINESE ACADEMY OF SCIENCES, CHINA

Yan Xia is Associate Researcher of the Institutes of Science and Development, Chinese Academy of Sciences (CASISD), and Faculty at School of Public Policy and Management, University of Chinese Academy of Sciences. Her research interests include macroeconomic analysis and forecasting, energy and environment policy, input-output technology and CGE model. Dr. Xia is a member of Chinese Society of Optimization, Overall Planning and Economic Mathematics (SCOPE), the Secretary General of SCOPE Society of Studies of Climate Finance Branch as well as the Executive Director of Chinese input output association. She specializes in analyzing economic policies of a global nature such as multilateral trade agreements and climate change. Her work on climate change has focused on the nature and cost of carbon regimes-carbon tax versus cap and trade, size and composition of country coalitions, ambitious versus sub-optimal climate targets and the role of the cost and availability of clean technologies. Her more recent work has included looking at the financial crisis side of climate change, particularly on agriculture, and assessing the economic tradeoffs between carbon taxes and lower climate damage. Her analysis relies on the development and use of a so-called integrated assessment model that integrates economics, greenhouse gas emissions, climate and damages in a coherent modeling framework.

SCIENTIFIC COMMITTEES

- **Elie Bouri** Lebanese American University, Lebanon
- **Bin Chen** Beijing Normal University, China
- **Ying Fan** Beihang University, China
- **Stéphane Goutte** University Paris-Saclay, CEMOTEV, France
- **Rangan Gupta** University of Pretoria, South Africa
- **Qiang Ji** Chinese Academy of Sciences, China
- **Lutz Kilian** Federal Reserve Bank of Dallas, United States
- **Ali M. Kutan** Southern Illinois University Edwardsville, USA
- **Boqiang Lin** Xiamen University, China
- **Brain Lucey** Trinity College Dublin, Ireland
- **Shunsuke Managi** Kyushu University, Japan
- **Muhammad Ali Nasir** University of Leeds
- **Duc Khuong Nguyen** IPAG Business School, France
- **Ronald D. Ripple** KAPSARC, Saudi Arabia
- **Xunpeng Shi** University of Technology Sydney, Australia
- **Ugur Soytaş** Middle East Technical University, Turkey
- **Bin Su** National University of Singapore, Singapore
- **Aviral Kumar Tiwari** Montpellier Business School, France
- **Samuel A. Vigne** Trinity College Dublin, Ireland
- **Shouyang Wang** Chinese Academy of Sciences, China
- **Zhaohua Wang** Beijing Institute of Technology, China
- **Jian Yang** University of Colorado, USA
- **Dayong Zhang** Southwestern University of Finance and Economics, China
- **Zhongxiang Zhang** Tianjin University, China
- **Peng Zhou** China University of Petroleum, China



ORGANIZING COMMITTEES

- **Hao-Sen Cheng** Hunan University, China
- **Meng-Fan Du** Hunan University, China
- **Jiangbo Geng** Zhongnan University of Economics and Law, China
- **Kun Guo** Chinese Academy of Sciences, China
- **Ruo-Jin Li** Hunan University, China
- **Ting Liang** Hunan University, China
- **Jingyu Liu** Shanghai Jiao Tong University, China
- **Jing-Yue Liu** Hunan University, China
- **Yinpeng Liu** Chinese Academy of Sciences, China
- **Wei Qiang** Hunan University, China
- **Wei Shi** Hunan University, China
- **Xiaolei Sun** Chinese Academy of Sciences, China
- **Jie Wu** Shanghai University of Finance and Economics, China
- **Mian Yang** Wuhan University, China
- **Cheng Zhang** Nanjing University of Finance & Economics, China
- **Han Zhang** Hunan University, China
- **Xue-Jun Zhang** Hunan University, China
- **Yuan-Yuan Zhang** Hunan University, China
- **Wen Zhao** Hunan University, China
- **Hui-Ting Zhou** Hunan University, China

KEYNOTE SPEAKERS



CHRISTIANE BAUMEISTER

UNIVERSITY OF NOTRE DAME, USA

Christiane Baumeister is the Lambert Family Professor of Economics at the University of Notre Dame.

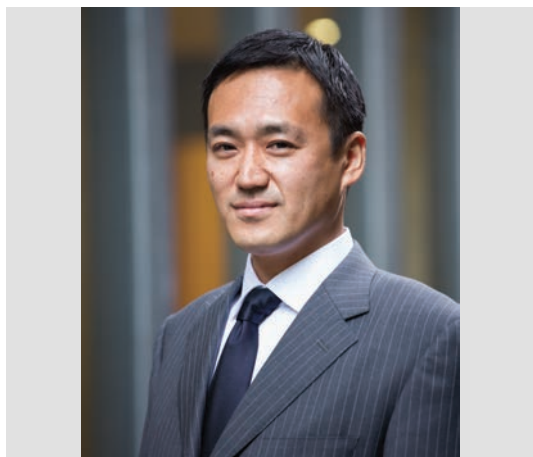
She is an empirical macroeconomist whose research focuses on the dynamics of energy markets and the transmission of monetary policy. Much of her recent work is concerned with Bayesian inference in structural vector autoregressive models. Her research has been published in *Econometrica*, the *American Economic Review*, the *American Economic Journal: Macroeconomics*, the *Journal of Monetary Economics*, and the *Review of Economics and Statistics*, among other scholarly journals. She is a Research Associate at the National Bureau of Economic Research and a Research Fellow at the Centre for Economic Policy Research. She serves as Associate Editor for the *Journal of Monetary Economics*, the *Review of Economics and Statistics*, the *Journal of Economic Dynamics and Control*, and the *Energy Journal*. She also holds positions as Research Professor at the Research Center of Deutsche Bundesbank and the University of Pretoria. Prior to joining Notre Dame in July 2015, she was a Principal Researcher in the International Economic Analysis Department at the Bank of Canada.



TIEJU MA

EAST CHINA UNIVERSITY OF SCIENCE AND
TECHNOLOGY, CHINA

Tiejun Ma is a doctoral supervisor, chair professor of "Changjiang Scholars Programme" by the Ministry of Education (2015), and winner of National Science Fund for Distinguished Young Scholars (2011). He is currently the dean of School of Business, East China University of Science and Technology. His research interests include technology evolution and energy system modeling and optimization. His papers have been published in authoritative international and Chinese journals such as *Management Science*, *European Journal of Operational Research*, and *Journal of Management Science in China*. The research awards he has won include the second prize in the 6th Higher Institutions Outstanding Research Achievement Award of the Ministry of Education (2013), Distinguished Professor of Changjiang Scholars Program of the Ministry of Education, winner of the National Science Fund for Distinguished Young Scholars, New Century Outstanding Talent of the Ministry of Education, Oriental Scholar (Distinguished Professor of Shanghai), Shanghai Leading Talent, Shanghai Pujiang Program Talent, and Shanghai Shuguang Program Talent.



SHUNSUKE MANAGI

KYUSHU UNIVERSITY, JAPAN

Shunsuke Managi is the Distinguished Professor of Technology and Policy & Director of Urban Institute at the Kyushu University, Japan. He has been awarded several national research grants on topics such as urbanization, transportation, energy, climate change, sustainability, and population change. He has received several research fellowships from organizations such as the Helmholtz Association and Cheney Senior Fellowship and has served as an expert on policy and technology assessment. He is a director for Inclusive Wealth Report 2018 (IWR 2018), a lead author for the Intergovernmental Panel on Climate Change (IPCC), a coordinating lead author for the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES), a coordinating lead author UNESCO International Science and Evidence based Education Assessment, an editor of "Economics of Disasters and Climate Change", "Environmental Economics and Policy Studies" and on the editorial board for nine journals including Journal of Forest Economics. He is the author of 25 books and 400 academic journal papers. He has published in peer reviewed journals such as Science, Nature, Nature Sustainability, Lancet Planetary Health, Global Environmental Change, Environmental Research Letters, Journal of Economic Behavior & Organization, and Journal of Environmental Economics and Management.

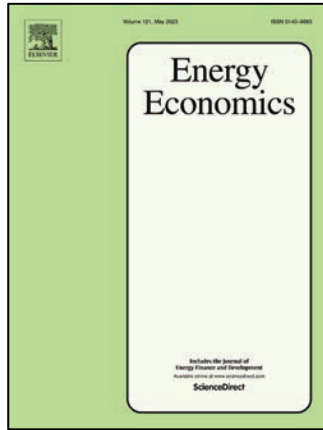


BIN SU

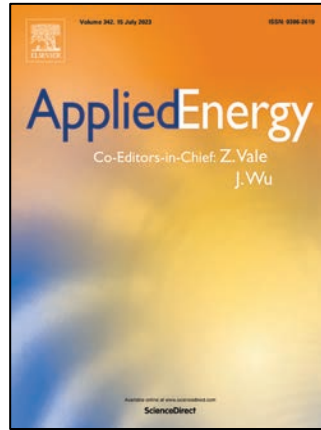
NATIONAL UNIVERSITY OF SINGAPORE,
SINGAPORE

Bin Su is Senior Research Fellow and Head of Energy and the Environment Division at the Energy Studies Institute (ESI), National University of Singapore (NUS). He leads the energy modelling programme at the Institute and is actively involved in energy modelling related projects commissioned by government agencies. He is Programme Director for "Study on Singapore's Energy and Decarbonization Pathways" funded by National Research Foundation and National Climate Change Secretariat, Singapore. He has managed and/or participated in more than 30 energy and environment projects funded by various government agencies and external parties. His research interests include energy and environmental systems modelling and analysis, focusing on energy efficiency, climate change, benchmarking, embodied energy/emissions, carbon footprint, carbon pricing, emissions trading, rebound effect and energy resilience. He has published more than 140 papers in international journals on energy and environmental issues, and edited the books on "China's Energy Efficiency and Conservation" (Springer, 2016). He has been named in the global "Highly Cited Researchers" lists in year 2018-2022 released by Clarivate Analytics, Top 2% of Scientist in the Energy field by the Stanford Study in year 2019-2022, and Top 1% of Economists in the World by IDEAS/RePEc Database in year 2021-2022.

SPECIAL ISSUE



Energy Economics
(SSCI, JCR 1, ABS 3, ABDC A*)



Applied Energy
(SCI, JCR 1)



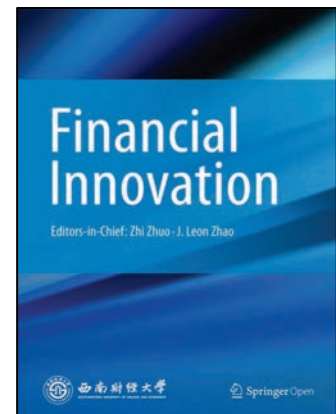
**International Review of
Financial Analysis**
(SSCI: JCR 1, ABS 3, ABDC: A)



**International Review of
Economics and Finance**
(SSCI: JCR 1, ABS 2, ABDC: A)



Finance Research Letters
(SSCI: JCR 1, ABS 2, ABDC: A)



Financial Innovation
(SSCI: JCR 2, ABS 2, ABDC: A)



Journal of Climate Finance

Papers submitted to the conference have the opportunity to publish in one of the special issues. Qualified papers will be invited to submit to the suitable journal based on recommendations by the guest editors and editors.

Please note that the recommendation does not guarantee final publication, all regular requirements by journals have to be satisfied.



PROGRAMME

Friday, June 2 2023				
12:00-21:00	Registration			
Saturday, June 3 2023				
09:00-09:30	Welcome and Opening Remarks			
09:30-09:40	Photo session			
09:40-10:15	Keynote Speech I			
10:15-10:50	Keynote Speech II			
10:50-11:10	Tea break			
11:10-11:45	Keynote Speech III			
11:45-12:20	Keynote Speech IV			
12:20-13:30	Lunch			
13:30-14:50	Session 1 Zijing Room 紫荆厅	Session 2 Baihe Room 百合厅	Session 3 Taohua Room 桃花厅	Session 4 Guibin Room 贵宾厅
	Session 5 Xiangjiang Room 湘江厅	Session 6 Qiangwei Room 蔷薇厅	Session 7 Jiayuan 佳园	Session 8 Jiachen 佳辰
	Session 9 Jiashi 佳时	Session 10 Jiamei 佳美	Session 11 Jiaqu 佳趣	Session 12 Jiahong 佳虹
14:50-15:05	Tea Break			
15:05-16:25	Session 13 Zijing Room 紫荆厅	Session 14 Baihe Room 百合厅	Session 15 Taohua Room 桃花厅	Session 16 Guibin Room 贵宾厅
	Session 17 Xiangjiang Room 湘江厅	Session 18 Qiangwei Room 蔷薇厅	Session 19 Jiayuan 佳园	Session 20 Jiachen 佳辰
	Session 21 Jiashi 佳时	Session 22 Jiamei 佳美	Session 23 Jiaqu 佳趣	Session 24 Jiahong 佳虹
16:25-16:40	Tea Break			
16:40-18:00	Session 25 Zijing Room 紫荆厅	Session 26 Baihe Room 百合厅	Session 27 Taohua Room 桃花厅	Session 28 Guibin Room 贵宾厅
	Session 29 Xiangjiang Room 湘江厅	Session 30 Qiangwei Room 蔷薇厅	Session 31 Jiayuan Room 佳园厅	Session 32 Jiachen 佳辰
	Session 33 Jiashi 佳时	Session 34 Jiamei 佳美	Session 35 Jiaqu 佳趣	Session 36 Jiahong 佳虹

18:00-20:00	Dinner			
20:00-22:00	Council meeting of Society for Studies of Climate Finance			
Sunday, June 4 2023				
08:30-10:10	Session 37 Zijing Room 紫荆厅	Session 38 Baihe Room 百合厅	Session 39 Taohua Room 桃花厅	Session 40 Guibin Room 贵宾厅
	Session 41 Xiangjiang Room 湘江厅	Session 42 Qiangwei Room 蔷薇厅	Session 43 Jiayuan 佳园	Session 44 Jiachen 佳辰
	Session 45 Jiashi 佳时	Session 46 Jiamei 佳美	Session 47 Jiaqu 佳趣	Session 48 Jiahong 佳虹
10:10-10:25	Tea Break			
10:25-12:05	Session 49 Zijing Room 紫荆厅	Session 50 Baihe Room 百合厅	Session 51 Taohua Room 桃花厅	Session 52 Guibin Room 贵宾厅
	Session 53 Xiangjiang Room 湘江厅	Session 54 Qiangwei Room 蔷薇厅	Session 55 Jiayuan 佳园	Session 56 Jiachen 佳辰
	Session 57 Jiashi 佳时	Session 58 Jiamei 佳美	Session 59 Jiaqu 佳趣	
12:05-12:35	Closing ceremony Best Paper Award Next conference Closing remarks			
12:35	Lunch			

ICEF2023 PROGRAMME



CONCURRENT SESSIONS

Session	Issue	Chair
Saturday, June 3 2023		
1	Clean energy development	Hongguang Nie
2	Climate change and energy market	Kun Guo
3	Industrial pathways to carbon neutrality	Hengzhen Lu
4	ETS I	Xiujie Tan
5	Policy uncertainty	Zhenhua Liu
6	Environmental disclosure	Yaojie Zhang
7	Air pollution control and economic development	Lei Lei
8	Environmental performance and environmental efficiency	Jianlei Mo
9	Energy prices and drivers	Shupeí Huang
10	Drivers of carbon emissions	Yi Jin
11	Digitalization and innovation	Jiasha Fu
12	Digital inclusive finance	Yazhi Song
13	Strategies of corporate low-carbon transition	Xuan Mo
14	Carbon market and energy market	Qingjun Zhang
15	Big data and machine learning	Xiangyun Gao
16	Policy pathways to carbon neutrality I	Shurui Wang
17	Green finance and innovation	Yinpeng Liu
18	Renewable energy development	Jing Nie
19	Climate change and corporate external stakeholders	Kerui Du
20	Green credit	Zhongguo Lin
21	Climate change and stock market	Wanli Zhao
22	Climate risk and financial market	Yanran Ma
23	Credit risk management	Ke Zhou
24	Decarbonization of residential/household sector	Pengpeng Yue
25	Impacts of energy transition	Yingdong Chen
26	Pathways to carbon neutrality of energy industries	Bai-Chen Xie
27	Carbon pricing and carbon leakage	Qingru Sun
28	Carbon tax	Fan Zhang
29	Regional innovation	Qiang Tu
30	ETS II	Xu Wang
31	Climate risk management	Xiyong Dong

Session	Issue	Chair
32	Green bond market	Jingyu Li
33	Risk spillover effects	Gangjin Wang
34	Strategic critical mineral	Xiaolei Sun
35	Volatility forecasting	Feng He
36	Climate investment and financing	Chin-Hsien Yu
Sunday, June 4 2023		
37	Policy pathways to carbon neutrality II	Yantuan Yu
38	Oil price forecasting	Zheming Yan
39	Climate change and financial markets	Tiantian Wang
40	Corporate innovation I	Yanmin Shao
41	ESG Information disclosure and disagreement	Hongbo He
42	Digital economy	Shoujun Huang
43	Drivers of energy transition	Jiangbo Geng
44	Energy portfolio management	Kaijian He
45	Energy poverty	Jijia Li
46	Household low-carbon behavior	Lin Zhang
47	Environmental regulation and innovation	Changyu Liu
48	Energy and stock markets	Chao Liang
49	Corporate innovation II	Mian Yang
50	Regional energy transition	Yifan Shen
51	Spillovers among energy stocks	Jiawen Luo
52	Urban low carbon finance	Xiang Gao
53	The spillover effect of carbon/energy market	Xiaohua Xia
54	ESG performance and corporate debt	Hong Cao
55	Financialization and carbon reduction	Shanglei Chai
56	The impacts of extreme weather	Bing-Yue Liu
57	Impacts of oil shocks	Rufei Ma
58	The impacts of climate change	Pengxiang Zhai
59	Supply chain and value chain	Xuemei Jiang



DETAILED PROGRAMME

Saturday, June 3 2023	
09:00-09:30	Welcome and Opening Remarks
09:30-09:40	Photo session
09:40-10:15	Keynote Speech I Recent developments in modeling energy market dynamics Christiane Baumeister (University of Notre Dame)
10:15-10:50	Keynote Speech II Energy system modeling with high: Proportion renewable energies Tieju Ma (East China University of Science and Technology)
10:50-11:10	Tea break
11:10-11:45	Keynote Speech III Future supply chains: More index with sustainability Shunsuke Managi (Kyush University)
11:45-12:20	Keynote Speech IV Impacts of Investments on "Economy-Energy-Environment"(3E) Bin Su (National University of Singapore)
12:20-13:30	Lunch
13:30-14:50	Session 1: Clean energy development Chair: Hongguang Nie (Changchun University of Science and Technology)
	Research on the driving factors of the residential demand response for the variable renewable power integration Feng Liu, Hui Jiang
	The terminal electrification enhances double dividends of renewable electricity deployment in China's transportation sectors: Based on the dynamic CGE model Qi Cui, Xiaofan Li, Ling He
	Study on greenhouse gas emission accounting and asset stranding of China's natural gas development under the background of double carbon Zhida Ma, Xu Tang
13:30-14:50	Session 2: Climate change and energy market Chair: Kun Guo (University of Chinese Academy of Sciences)
	The impact of climate risks on investment efficiency in oil and gas industry Chengchen Zhou, Yajie Chen, Dayong Zhang
	Impact of climate risk on energy market risk spillover: Evidence from dynamic heterogeneous network analysis Qinen Gu, Shaofang Li, Sihua Tian, Yuyouting Wang
	An index-tracking approach to constructing climate change risk hedge portfolios: Is there a role for energy commodity futures? Tong Fang, Libo Yin
	Transmission of climate policy risk to energy supply risks Yuxin Kang, Simeng Lan, Yichong Li, Kun Guo

	Session 3: Industrial pathways to carbon neutrality Chair: Hengzhen Lu (Nanjing University of Aeronautics and Astronautics)
13:30-14:50	How to achieve air pollutant reduction and carbon mitigation in China's industrial sector? Insights from historical decomposition analysis and dynamic scenario simulation Lu Zhu, Yong He, Nuo Liao
	Analysis of influencing factors and peak scenario prediction of waterway transport sector carbon emissions in China Keyi Ju, Shanzhi Li, Siyang Xu
	Sustainable options towards carbon neutrality in straw-based pulp industry: Evidence from the life cycle assessment perspective in China Yue Zhu, Tiansen Liu
	Driving green computing: CO ₂ mitigation pathways from data centers in China Wenli Ni, Xiurong Hu, Hongyang Du
	Session 4: ETS I Chair: Xiujie Tan (Wuhan University)
13:30-14:50	The effect of emission trading systems on covered-firms performance Xiujie Tan, Meiji Wang
	Employment effect of imperfectly competitive emissions trading scheme in China: A theoretical extension and empirical investigation Ziyu Wen, Xu Wang
	Research on the impact of carbon emission trading policies on TFP of enterprises in heavy pollution industries ——Quasi natural experiments based on DEA-Malmquist index Xuesong Gu, Jiahui Du
	How does carbon emissions trading scheme affect industrial capacity utilization? Evidence from China's pilot regions Xu Wang, Wei Li, Ziyu Wen, Lingyun He, Ruyin Long
	Session 5: Policy uncertainty Chair: Zhenhua Liu (China University of Mining and Technology)
13:30-14:50	What are the spillover effects of climate policy uncertainty and international oil price shocks? Li-Min Xing, Yue-Jun Zhang
	Towards an era of multi-source uncertainty: A bibliometrics-based hotspot analysis and research framework Xueping Tan, Xinyu Wang, Andrew Vivian, Yong Geng
	Is the cross-correlation of economic policy uncertainty with China's carbon market really being? A Perspective of fractal market hypothesis Yuchen An, Kunliang Jiang, Jiashan Song
	Climate policy uncertainty and carbon price anomalies: An irrational investors behavior perspective Zhenhua Liu, Tingting Zhu, Yue-Jun Zhang
	Session 6: Environmental disclosure Chair: Yaojie Zhang (Nanjing University of Science and Technology)
13:30-14:50	Is there any trick behind corporate environmental disclosure? From the perspective of industrial technology Fushu Luan, Xinhui Yang
	Oil price uncertainty and CSR performance: Evidence from China Xinyu Song, Baochen Yang
	Information disclosure quality, stock liquidity and firm value: Evidences from China's stock market Zijian Wu, Juanshi Zhang, Wenzhi Wang, Xudong Chen
	Does corporate environmental information disclosure improve equity premium? The mediating effect of market attention Yue-Jun Zhang, Di Zhang



13:30-14:50	<p align="center">Session 7: Air pollution control and economic development Chair: Lei Lei (Southwestern University of Finance and Economics)</p>
	<p>Does income inequality exacerbate haze pollution? A cross-country analysis (2000–2020) Dongjie Shi, Feng Wang, Yuan Niu</p>
	<p>Has smart city construction reduced corporate pollution emissions? New evidence from Chinese corporate pollution data Juan Li, Zixuan Li, Huiping You</p>
	<p>Win-win of economic growth and pollution control: Evidence from industrial enterprises relocation in China Feng Tong, Jie Ma</p>
13:30-14:50	<p> <p align="center">Session 8: Environmental performance and environmental efficiency Chair: Jianlei Mo (Institutes of Science and Development, Chinese Academy of Sciences)</p> <p>An empirical analysis for a campaign-style environmental enforcement in China Bin Hu, Lanlan Wang</p> <p>Assessing the environmental efficiency of China's power system: A spatial network data envelopment analysis approach Jianli Jiang, Bai-Chen Xie</p> <p>Do heterogeneous environmental regulation tools improve firms' environmental performance? Evidence from Chinese listed firms Panni Li, Hongyang Zou, D'Maris Coffman, Zhifu Mi, Huibin Du</p> <p>The impact of artificial intelligence application on firm environmental performance: Evidence from micro firms Yuping Shang</p> </p>
	<p> <p align="center">Session 9: Energy prices and drivers Chair: Shupe Huang (China University of Geosciences, Beijing)</p> <p>Unveiling oil market dynamic intrinsic temporal and spatial scale characteristics during bubble and non-bubble periods Weijia Chen, Shupe Huang, Haizhong An</p> <p>Measuring natural gas price feature of Asian-Pacific market from complex network perspective Jian Su, Peng Zhou, Wenya Wang, Yang Bai</p> <p>The co-movement effect of the VIX index on the relationship between oil prices and financial factors Xiaotian Sun, Wei Fang, Xiangyun Gao, Haizhong An</p> <p>The global geopolitical risks and oil market uncertainty: A time-varying spillover analysis Jihong Xiao, Jingyu Zhang, Yaojie Zhang, Yan Zheng</p> </p>
	<p> <p align="center">Session 10: Drivers of carbon emissions Chair: Yi Jin (Tianjin University of Finance and Economics)</p> <p>Carbon emission reduction effect of RMB exchange rate fluctuation: Empirical evidence from 283 prefecture-level cities in China Fengxian Chen, Xiaoyao Lv</p> <p>Meta-analysis on the supply-side pathways towards net-zero emissions in China Peiyu Hu, Chuan Zhang</p> <p>Time-varying impact of unbalanced regional development on carbon emissions in China Zhilin Huang, Damo Ouyang, Hongbo Duan, Shengfang Tang</p> <p>中国“一带一路”投资对东道国碳效率的影响 王班班, 严利芳, 谭秀杰</p> </p>
	<p> <p align="center">Session 10: Drivers of carbon emissions Chair: Yi Jin (Tianjin University of Finance and Economics)</p> <p>Carbon emission reduction effect of RMB exchange rate fluctuation: Empirical evidence from 283 prefecture-level cities in China Fengxian Chen, Xiaoyao Lv</p> <p>Meta-analysis on the supply-side pathways towards net-zero emissions in China Peiyu Hu, Chuan Zhang</p> <p>Time-varying impact of unbalanced regional development on carbon emissions in China Zhilin Huang, Damo Ouyang, Hongbo Duan, Shengfang Tang</p> <p>中国“一带一路”投资对东道国碳效率的影响 王班班, 严利芳, 谭秀杰</p> </p>

	Session 11: Digitalization and innovation Chair: Jiasha Fu (Southwestern University of Finance and Economics)
13:30-14:50	The growth drag effect of powering green digitalization: Evidence from ICT industry development in China Jiasha Fu, Shaoxi Wang
	Can ecological regulation drive digital transformation? Evidence from Chinese-listed enterprises Tingyu Zhang, Zhengning Pu
	The impact of firms' digitalization on green innovation: Crowding out or leverage? Da Gao, Xinlin Mo
	Institutional investors heterogeneity and green innovation in China: Does digital transformation matter? Xuanyi Shi, Yongjia Lin, Yizhi Wang
	Session 12: Digital inclusive finance Chair: Yazhi Song (Jiangsu Normal University)
13:30-14:50	The impact of digital inclusive finance on the growth of the renewable energy industry Danqi Wei, Fayyaz Ahmad
	Household green consumption: Does digital inclusion matter? Dandan Xu, Mengshi Li, Dongli Guo, Pengpeng Yue
	Digital finance, energy efficiency and common prosperity Biyun Ren, Yingtian Zhang
	Spatio-temporal effects and drivers of digital inclusive finance on the synergies of carbon emissions and air pollution Lu Xing, Ziyang Chen
14:50-15:05	Tea break
	Session 13: Strategies of corporate low-carbon transition Chair: Xuan Mo (Beihang University)
15:05-16:25	Characteristics of top executives and digital transformation: Evidence from listed companies in China Lufeng An, Chin-Hsien Yu, Chu-Hua Wu
	Environmental information disclosure and firms' green total factor energy efficiency: Evidence from Chinese industrial firms Ruochan Xiong, Banban Wang
	Financing investment, operating investment, and stock returns: New evidence from China Xuan Mo, Libo Yin, Zhi Su
	Can fiscal-financial synergy promote the low-carbon transformation of enterprises? Evidence from high-energy consumption enterprises in 31 provinces and autonomous regions of China Yujing Teng, Miao Yu
	Session 14: Carbon market and energy market Chair: Qingjun Zhang (Tianjin University of Finance and Economics)
15:05-16:25	Price spillover effects between regional carbon emission markets and electricity markets Ting Hao
	A review of energy conservation and carbon reduction market mechanisms in the power sector from the perspective of market coupling Wei Zhao
	The impact of national carbon market establishment on risk transmission among carbon and energy markets in China: A systemic importance analysis Ying Chen, Shenrui Li, Xiuya Wang, Xiaoyun Xing
	Valuation of flexible power in China considering ETS: A real option method Boqiang Lin, Zhiwei Liu



	Session 15: Big data and machine learning Chair: Xiangyun Gao (China University of Geosciences, Beijing)
15:05-16:25	Forecasting real crude oil prices with high-frequency stock market data: A semiparametric ECM-MIDAS model Dong Yang, Shuang Zhao, Rui Xue, Martina Linnenluecke, Yuli Shan
15:05-16:25	Using deep learning predicting the energy stock risk spillover based on co-investor attention Jingjian Si, Xiangyun Gao, Jinsheng Zhou
15:05-16:25	The role of analyst commentary text sentiment in oil futures volatility forecasting: Evidence from HAR models and deep learning Yue-Jun Zhang, Yuan-Yuan Zhang
15:05-16:25	The power of tweets: Forecasting interval-valued crude oil price through twitter sentiment analysis Zishu Cheng , Mingchen Li, Yuying Sun , Yongmiao Hong , Shouyang Wang
	Session 16: Policy pathways to carbon neutrality I Chair: Shurui Wang (Institutes of Science and Development, Chinese Academy of Sciences)
15:05-16:25	The impact of climate and economic policy uncertainty on carbon emissions: Evidence from listed manufacturing enterprises in China Hong Cao, Kaina Zhang
15:05-16:25	The "responsible research and innovation" in China's carbon neutrality policy Hongpeng He, Yingpeng Liu
15:05-16:25	双重碳规制对碳生产率的影响 Peiyun Ye, Wugan Cai
15:05-16:25	Will consumption rebound effect reduce the emission reduction effect of the China's Carbon Generalized System of Preferences scheme? Donglan Zha, Xiaoying Su
	Session 17: Green finance and innovation Chair: Yinpeng Liu (Beihang University)
15:05-16:25	From brown investment to green investment: Will the 2022 Russia-Ukraine war present opportunities or threats? Hongwei Zhang, Beixin Fang
15:05-16:25	Different types of green: global versus local preferences of Chinese firms Luying Liu, Dayong Zhang, Lei Lei
15:05-16:25	Corporate ESG performance, green technology innovation and institutional investors' shareholding preferences He Sun, Ling Wang
15:05-16:25	Corporate environmental investment strategy and tunneling of controlling shareholders: Substitution effect of corporate environmental investment for corporate governance Qiang Li, Zhengyu Shi, Erwei Xiang, Huimin Shi
	Session 18: Renewable energy development Chair: Jing Nie (Nanjing University of Science and Technology)
15:05-16:25	Are the impacts of uncertainties on clean and conventional energy markets symmetrical? Ling Chen
15:05-16:25	Fiscal decentralization and renewable energy development: inhibition or promotion Shanyong Wang, Ling Ma
15:05-16:25	Business expansion and access to finance: A financial analysis for understanding the explosive growth of China's clean energy industry Boqiang Lin, Minyang Li
15:05-16:25	The shift of embodied energy flows among Global South and Global North: Spatial pattern and driving forces Yu Yang, Yannan Zhou, Yuli Shan, Klaus Hubacek

	Session 19: Climate change and corporate external stakeholders Chair: Kerui Du (Xiamen University)
15:05-16:25	Fire-suffering or fire-watching: how do fund managers react to climate risk? Daping Zhao, Jingyi Li
	Do financial analysts play a role in affecting corporate behavior related to climate change? Lei Lei
	Climate risk, information disclosure quality and analysts' forecast error Liurong Liang, Mengmeng Guo
	Climate change and analysts' forecast bias: Evidence from Chinese sell-side analysts Jieyu Wang , Zihan Yue
	Session 20: Green credit Chair: Zhongguo Lin (Tianjin University)
15:05-16:25	How does green credit affect the clean energy technological innovation? On the policy catering behavior of enterprises Fengyun Liu, Zhimou Xia
	Does green credit foster corporate green innovation? New evidence from China Zhongguo Lin, Yuchun Jiang, Binbin Peng
	Does local protectionism distort the effectiveness of green credit policy in China? Evidence from government subsidy Chang Liu, Zimao Xiao, Dayong Zhang, Huayan Geng
	Have green credit policy mitigated the extreme climate risks of commercial banks? A quasi-natural experiment based on listed commercial banks in China Xuesong Gu, Yan Huang
	Session 21: Climate change and stock market Chair: Wanli Zhao (China University of Petroleum, Beijing)
15:05-16:25	Hedging climate risk with China's stock portfolio Shu Chen, Bing-Yue Liu
	The impact of climate economic policy uncertainty on stock price synchronicity of high-carbon enterprises Yingtong Chen, Dayong Zhang, Qiang Ji
	How do climate risk shocks and green stock markets connect? Yichong Li, Yuan Bian, Liyuan Luan, Kun Guo
	What is the impact of climate policy uncertainty on clean energy related stocks? Wanhai You, Jiao Xu, Yawei Guo
	Session 22: Climate risk and financial market Chair: Yanran Ma (Institutes of Science and Development, Chinese Academy of Sciences)
15:05-16:25	The risk spillover effect of weather futures Chuang Chen, Dan Yu, Yudong Wang
	Does climate policy trigger a re-evaluation of the value of energy listed companies? Evidence from China Jiasha Fu, Fan Wang, Yuan Li, Yang Liu
	Evaluating the impact of climate risks on the EU carbon market with interpretable machine learning technique Yang Cao, Donglan Zha
	Climate-related financial risks and financial market: A review of the literature Peng-Xiang Zhai, Qiang Ji, Yan-Ran Ma
	Session 23: Credit risk management Chair: Ke Zhou (Hunan University)



15:05-16:25	Green credit efficiency of commercial banks in China: Evidence from a multi-period leader-follower model Jingyu Li, Qiwei Xie
	Is climate change fueling commercial banks' non-performing loan ratio? Empirical evidence from 31 provinces in China Wenna Fan, Feng Wang, Bin Yan, Hao Zhang, Rui Ling
	Green credit and bank's credit risk Xiao Wei
	Financing constraints or transformation incentives? Research on the impact of green credit policy on heavily polluting enterprises' financial risk Xuesong Gu, Yuanhui Wang
15:05-16:25	Session 24: Decarbonization of residential/household sector Chair: Pengpeng Yue (Beijing Technology and Business University)
	How does rising income affect household carbon footprints? An evidence-based high-savings rate perspective Chun Wu, Zhao Liu, Xuan-Chen Yi, Chang-Xiong Qin, Yi-Shuai Ren
	Impact of clean energy for residential use on energy poverty Chenyang Liu, Shimei Wu
	The effect of digital technology on residential and non-residential carbon emission Zhengning Pu, Jingyu Liu, Mingyan Yang
	Carbon asset remolding and potential benefit measurement of machinery products in the light of lean production and low-carbon investment Yazhi Song, Yin Li
16:25-16:40	Tea break
16:40-18:00	Session 25: Impacts of energy transition Chair: Yingdong Chen (Beijing Normal University)
	Identifying heterogeneous dilemmas in shifting towards the SDG7 for socially disadvantaged groups in india: Evidence from machine learning Jiajia Li, Shiyu Yang, Houjian Li
	Do energy transition to a low-carbon affect banking risk-taking: Evidence from the China Qingjun Zhang, Yanming Yang
	Evaluation and selection of alternative fuel power systems for ships in Yangtze River with both environmental and economic benefits Keyi Ju, Siyang Xu, Shanzhi Li
	How does the oil shortage in European major net oil importers impact the world economy? Interpretation from the perspective of industry linkage Yu Li, Xiangyun Gao
16:40-18:00	Session 26: Pathways to carbon neutrality of energy industries Chair: Bai-Chen Xie (Tianjin University)
	Stranded asset impairment estimates of thermal power companies under low-carbon transition scenario Chao Wang, Lidong Wang, Xiaoxing Liu
	Understanding the inter-term fossil energy consumption pathways in China based on sustainable development goals Xiaoxiao Zhou, Fangyuan Xie, Xin Zhao
	Making the cake bigger: The synergy of downstream performance and cash flow to support upstream performance in China's clean energy industry Boqiang Lin, Siquan Wang
	Characterizing the spatial distribution of performance of China's solar power plants: A stochastic non-parametric meta-frontier approach Xian-Peng Chen, Bai-Chen Xie

16:40-18:00	Session 27: Carbon pricing and carbon leakage Chair: Qingru Sun (Hebei University)
	Reconsider the linkages between foreign direct investment and embodied carbon flows network Boqiang Lin, Hengsong Zhao
	Carbon leakage under asymmetric carbon prices: An empirical analysis based on emissions embodied in trade Qingyuan Ying, Meng Li
	The role of carbon emissions trading (CET) in corporate environmental responsibility: Evidence from China's CET pilot Yue-Jun Zhang, Wei Shi
	Test the green bubble during Covid-19 Yijing Huang
16:40-18:00	Session 28: Carbon tax Chair: Fan Zhang (Macau University of Science and Technology)
	The effect of environmental administrative penalties on the Chinese stock market Dandan Ma, Qiang Ji
	The impact of a carbon tax and its transmission mechanism in a production network Ming Chen, Zhongfei Li, Qi Zhou
	Can the combination of carbon tax and green credit incentives better promote low-carbon transition? Insights from a stock-flow consistent model Xiaoyun Xing
	Environmental and economic assessment of energy-consumption permit trading scheme and carbon tax: Evidence from China Yanfang Zhang, Qi Gao, Qian Wang, Xunpeng Shi, Dequn Zhou
16:40-18:00	Session 29: Regional innovation Chair: Qiang Tu (Tianjin University of Finance and Economics)
	Belt & Road Initiative and low-carbon innovation: Evidence from participating cities in China An Pan, Meihui Liu, Xunpeng Shi
	Cooperative impact of ETS on urban green innovation and green production efficiency: Evidence from Chinese ETS pilots Yingnan Wang, Qiang Tu, Jianlei Mo
	New energy policy and green technology innovation of enterprises: Evidence from new energy demonstration cities in China Zhenhua Zhang, Cong Luo, Guoxing Zhang, Shuai Shao, Yuqin Shu
	Talents at large: How natural disasters affect regional innovation Kai Wu, Ziyang Zhan
16:40-18:00	Session 30: ETS II Chair: Xu Wang (China University of Mining and Technology)
	Exploring the carbon pricing in the context of RCEP framework Ying Fan, Xilong Yan, Lianbiao Cui, Luyang Zhang, Jiaxue Wang
	How to promote the Chinese Certified Emission Reduction scheme in the carbon market? A study based on tripartite evolutionary game model Yong He, Ruipeng Jiang, Nuo Liao
	A novel carbon price prediction method using textual analysis and machine learning models Xu Wang, Zhen-ao Guo
	How can China's carbon market curb the carbon emissions? An empirical analysis based on the factor decomposition and policy evaluation approaches Xu Wang, Yanmei Pan



16:40-18:00	Session 31: Climate risk management Chair: Xiyong Dong (Shanxi University)
	Quantifying the stranded assets risk for refining industry by carbon neutrality: Evidence from China refineries Haichen Ji, Zheqi Yang, Xu Tang
	Effect of weather and environmental attentions on systemic risk: Evidence from Chinese stock market Xiyong Dong, Seong-Min Yoon
	Connectedness and systemic risk of the new energy industry under climate shocks Yunhan Zhang, Qiang Ji
	气候变化对能源上市企业违约风险的影响研究 冯敬芝
16:40-18:00	Session 32: Green bond market Chair: Jingyu Li (Beijing University Of Technology)
	Green municipal bond issuance and environment pollution Lu Zhang, Lina Liu
	Green bond pricing with optimal carbon reduction strategy for electricity companies in energy transition Yuhan Li, Manying Bai
	The interrelationship between the green bonds market and the ESG markets: A comparison between China and USA Jing Deng, Zhitao Zhuang
	Does economic and political uncertainty have heterogeneous shocks on green bond volatility across different regimes? Zhuqing Wang, Xinyu Wang
16:40-18:00	Session 33: Risk spillover effects Chair: Gangjin Wang (Hunan University)
	Dynamic impact of the COVID-19 lockdown intervention policies on network structure of energy futures returns connectedness Baifan Chen, Jionghao Huang, Xintong Zhu, Xiaohua Xia
	Risk contagion among Chinese commodity futures from the perspective of multi-layer network Liyuan Luan, Yu Liu, Yuxin Kang, Kun Guo
	What determines the return and volatility spillovers in China's green finance markets? Economic fundamentals or market contagion hypothesis Rongyan Liu, Lingyun He, Ling Chen, Yating Fu
	Attention to climate change and dynamic volatility connectedness between new energy companies Xu Gong, Qin Liao
16:40-18:00	Session 34: Strategic critical mineral Chair: Xiaolei Sun (Institutes of Science and Development, Chinese Academy of Sciences)
	Does critical metal price affect clean energy enterprises' innovation? Evidence from China Qiyong Xiao, Ping Qin, Yang Liu
	Environmental impact of lithium resources for power batteries of new energy vehicles in China under different recycling strategies Ya Wang, Wei Fang, Haizhong An
	The evolution of China's critical minerals strategies and policies: Based on a policy text analysis from 2011-2023 Yingjie Sheng, Xiaolei Sun, Guoqiang Li
	Evolutionary study of global strategic critical mineral competition pattern Haoran Li, Yiran Shen, Xiaolei Sun, Qiang Ji

	Session 35: Volatility forecasting Chair: Feng He (Capital University of Economics and Business)
16:40-18:00	Overnight trading matters! Volatility forecast in the crude oil futures market Jing Hao, Feng He, Liyuan Qin
	Revisiting the impact of oil price shocks on economic growth: An international perspective Yifan Shen, Abeyasinghe Tilak, Xunpeng Shi
	Forecasting EUA futures volatility with geopolitical risk: Evidence from GARCH-MIDAS models Hengzhen Lu, Qiujiu Gao, Ling Xiao, Gurjeet Dhesi
	Forecasting carbon price volatility: New evidence from the spillovers of fossil energy futures returns Zhikai Zhang, Yaojie Zhang, Yudong Wang
	Session 36: Climate investment and financing Chair: Chin-Hsien Yu (Southwestern University of Finance and Economics)
16:40-18:00	(Online) Renewable energy investments and feed-in tariff: Firm-level evidence from southeast Asia Dina Azhgaliyeva, Hai Le, Resi Ong Olivares, Shu Tian
	(Online) Carbon pricing and firms' GHG emissions: Firm-level empirical evidence from east Asia Hai Le, Dina Azhgaliyeva
	How do technology-based energy shortage and urbanization respond to the environment in the BRI economies: What is the status of the EKC and pollution halo effect Salim Khan, Wang Yahong
	The impact of liquefied natural gas export of the united states on global markets Shuming Bai, Kai S. Koong
18:00-20:00	Dinner
20:00-22:00	Council meeting of Society for the Studies of Climate Finance
Sunday, June 4 2023	
	Session 37: Policy pathways to carbon neutrality II Chair: Yantuan Yu (Guangdong University of Foreign Studies)
08:30-10:10	Unveiling the heterogenous impacts of China's pilot emissions trading scheme on regional carbon emissions: Empirical study based on staggered DID and SCUL models Baicheng Wang, Xu Wang
	Analyze the influence of consumer preference on enterprises in the context of ETS: Based on the agent-based perspective Mengmeng Duan
	Dynamic convergence and patterns of carbon emission: International evidence Xuanqi Xiao, Xinyu Zhou
	The distributional effect of green power trading mechanisms on carbon emission and transfer in China's power sector Yan-Shen Yang, Bai-Chen Xie
	Co-benefits of energy-consuming right trading system in China Yantuan Yu, Ning Zhang
	Session 38: Oil price forecasting Chair: Zheming Yan (Xi'an Jiaotong University)
08:30-10:10	Forecasting crude oil prices with oil-related industry ESG indices Kaixin li, Zhikai Zhang, Yaojie Zhang, Yudong Wang
	Abnormal ocean temperature and the crude oil price predictability Mengxi He, Yudong Wang, Yaojie Zhang
	Forecasting crude oil prices: A gated recurrent unit and nonlinear granger causality model Qian Liang, Quanying Lu, Qingyuan Lin, Mengzhuo Guo



08:30-10:10	Tail risks everywhere and crude oil returns: Heterogeneous relationships and predictability under different market conditions Yue-Jun Zhang, Wen Zhao
	Crude oil futures returns interval forecasting: A singular spectral analysis based varying-coefficient interval-valued time series model Xingyu Dai
08:30-10:10	Session 39: Climate change and financial markets Chair: Tiantian Wang (Nanjing Audit University)
	Herding towards carbon neutrality: The role of investor attention Guiqiang Shi, Dehua Shen
	The market reaction to environmental information: Evidence from heavy polluting listed firms in China Zhongguo Lin, Shihao Yin, Zeyu Wang
	Greenium and public climate attention: Evidence from China Daping Zhao, Yande Wang
	Pop goes the bubble: A DSGE model analysis of monetary policy responses to carbon and green bubbles Yingtung Chan, Dayong Zhang
	How market values firms' green investment: Evidence from merger and acquisition in China Yuan Zheng, Rufe Ma, Qiang Ji, Pengxiang Zhai
08:30-10:10	Session 40: Corporate innovation I Chair: Yanmin Shao (University of Science and Technology Beijing)
	Research on the impact of environmental information disclosure on green ambidextrous innovation of enterprises: Based on text quantitative analysis Fang Zhang, Congnan Liu, Yan Xia
	How does fintech affect input distortions of Chinese listed firms? Jiao Tian, Chin-Hsien Yu, Jinsong Zhao, Wen-Chieh Lee, Xinghao Li
	The impact of public climate attention on corporate green innovation Zhifeng Liu, Junqin Sun
	Does a collaborative corporate culture lead to high-quality green technology innovation? Yanmin Shao, Kunliang Xu
	Green merger and acquisition and green technology innovation: Stimulating quantity or quality? Yan Zhang, Ziyuan Sun, Yiqiang Zhou
08:30-10:10	Session 41: ESG Information disclosure and disagreement Chair: Hongbo He (Hunan University)
	ESG rating disagreement and downside risk: Evidence from China Kexin Hu, Zhongfei Li
	Text-mining-based managerial myopia and corporate ESG performance: Evidence from China Guoying Deng, Hanying Liu, Jingzhou Yan, Shibo Ma
	ESG disagreement and corporate debt maturity in China Zhongfei Chen, Kangqi Jiang, Jie Zhang, Mengling Zhou
	Media attention, ESG information disclosure and corporate performance: Evidence from China's listed companies Shanglei Chai, Mengjun Cao, Qiang Li
	Research on the impact of ESG rating divergence on stock price fluctuation: Based on evidence from Chinese a-share listed companies Hongtao Chen, Renxiang He
	Session 42: Digital economy Chair: Shoujun Huang (University of Science and Technology of China)

08:30-10:10	Unlocking the potential of synergies between digitalization and greenization for urban resilience: Evidence from Chinese cities Yan Xia, Gongming Lv, Su Zhang, Huijuan Wang
	Environmental regulation, digital economy and green productivity Yonghui Lian, Haoran Dong, Hong Cao
	Can digital infrastructure investment improve urban energy utilization? Jingyu Jin, Yuanyuan Zhang, Xinyu Liu
	中介与阈值效应下G7数字经济对碳排放的影响研究 Xinchen Cheng
	Digitization and household low-carbon behavior Dayong Zhang, Yue Zhang
08:30-10:10	Session 43: Drivers of energy transition Chair: Jiangbo Geng (Zhongnan University of Economics and Law)
	Research on the spatiotemporal evolution and driving factors of total factor energy efficiency Taking 21 cities in Guangdong Province as examples Deng Gang and Chen, Hsing Hung
	The impact of industry agglomeration level on the efficiency of power grids in China and Japan based on endogenous stochastic frontier approach Bai-Chen Xie, Biao Li
	Will intelligent manufacturing promotes industrial low carbon transformation? Analysis with energy prices and labor substitution Wan Liu, De Xiao, Zhechong Luo
	Research on the impact of industrial robot use on energy intensity of manufacturing enterprises Pengyu Yan, Zhao Liu, Huan Zhang
	Revisiting the impact of occupant behavior on building energy consumption Yan Zhang, Xuemei Bai, Franklin P. Mills
08:30-10:10	Session 44: Energy portfolio management Chair: Kaijian He (Hunan Normal University)
	Analysis of global stock indices linkage and influencing factors from the perspective of dynamic network reconstruction Hongyu Wei, Xiangyun Gao, Haizhong An
	Carbon-energy portfolio optimization under investment horizon heterogeneity Jianhao Xue, Xingyu Dai, Qunwei Wang
	Crude oil portfolio optimization: A multiscale approach Kaijian He, Lean Yu, Yingchao Zou
	Portfolio optimization of energy futures assets based on the Vine-Copula Black-Litterman model Yuan Tong, Junming Zhu, Xingyu Dai, Jianhao Xue, Qunwei Wang
	How does the time-varying network structure evolve between the EU carbon futures prices and industrial and energy-related indices? A study based on a time-varying t-copula Ziyang Wang, Zhiliang Dong
08:30-10:10	Session 45: Energy poverty Chair: Jijia Li (Sichuan Agricultural University)
	"A drop in bucket" or "a sand tower"? Research on the impact of the Carbon Generalized System of Preferences on urban residential CO ₂ emissions Yue-Jun Zhang, Hao-Sen Cheng
	Do the climate change policies alleviate energy poverty? Empirical evidence from a cross-country analysis Jun Li, Jijia Li
	The impact of green finance development on energy poverty: Does climate risk matter? Nana Liu, Bowen Da, Yao Bai



08:30-10:10	Examining the efficacy of China's energy poverty alleviation policies: A text analysis on inter-provincial panel data Xiaolan Chen, Xiang Cao, Qilin Li
	Can digital financial inclusion alleviate energy poverty? Evidence from China Yulin Liu, Xu Si
08:30-10:10	Session 46: Household low-carbon behavior Chair: Lin Zhang (City University of Hong Kong)
	Agent-based modelling of household photovoltaic adoption and diffusion Jialu Liao, Zihao Ge, Shiyuan Gao, Chunling Tang
	Proactive social learning and green product consumption: Evidence from new energy vehicle sales in China Lin Zhang
	The re-investigation of residents' purchase intention of new energy vehicles in first-tier cities comes from the comparison between 2016 and 2023 Boqiang Lin, Xia Wang
	Beyond the age: Cohort effect on household energy consumption Yuan Xue, Dayong Zhang
	Can carbon literacy promote low-carbon consumption behavior? Based on the analysis of new energy vehicle purchase Yugang Yang, Yang Liu
08:30-10:10	Session 47: Environmental regulation and innovation Chair: Changyu Liu (Shandong Normal University)
	To be green or not to be: How governmental regulation shapes financial institution greenwashing behaviors in green finance Changyu Liu, Jing Wang, Qiang Ji
	Heterogeneous environmental regulation and corporate green technology innovation: Evidence from green patents of listed companies Liang Li, Yanghong Wang, Huaping Sun
	Environmental regulations and green innovation: Evidence from the carbon emissions trading system in China Shimeng Liu, Xiong Xiong, Ya Gao
	Research on the impact of environmental regulation and green technology innovation on emission reduction in the construction industry: An empirical analysis based on the mediation effect Wenchao Li, Zihao Wei, Lingyu Xu
	The impact of environmental regulation on environmental pollution: A disaggregated perspective Wanhai You, Jijia Wang, Haisheng Yang
08:30-10:10	Session 48: Energy and stock markets Chair: Chao Liang (Southwest Jiaotong University)
	Changes in the network structure of energy markets and financial markets under the different shocks of the Russian-Ukrainian conflict and COVID-19 Fuyao Li, Mu Tong
	Measuring the multi-scale price transmission effects from crude oil to energy stocks: A cascaded view Jinxu Yu, Qingru Sun, Zenglei Xi
	Impact of geopolitical risks on food price inflation around the world Chenggang Li, Wanyue Zhang, John F. Zhang
	Does media coverage influence the dynamic spillover effects among cryptocurrency, clean energy and crude oil? The perspective of the COVID-19 pandemic Xunfa Lu, Nan Huang, Jianlei Mo

	Oil shocks and stock market volatility: A comprehensive perspective Xinjie Lu, Feng Ma, Tianyang Wang, Fenghua Wen
10:10-10:25	Tea break
	Session 49: Corporate innovation II Chair: Mian Yang (Wuhan University)
	Can green technology acquisition reduce non-residential CO ₂ emissions? Analysis based on government actions Jinhua Fei, Zhengning Pu, Ruiheng Liu
10:25-12:05	The dark side of corporate financialization: Evidence from green innovation Yue-Jun Zhang, Mengfan Du
	Green finance, green evolution of strategic behavior, and "greenization" of enterprise technology: Based on evolutionary game theory and empirical research Mengyu Jia, Xiaoxiao Zhou
	Signaling or crowding out? The effectiveness of subsidies on energy corporate innovation Min Shi, Yajie Chen
	Do government subsidies promote technological innovation of new energy enterprises? Yue-Jun Zhang, Wenli Liu
	Session 50: Regional energy transition Chair: Yifan Shen (Tongji University)
	Spillover effects in global low-carbon energy transition Yanan Chen, Yifan Shen
10:25-12:05	Evaluation of China's provincial sustainable energy transition index under the double carbon target Ting Chen, Dequn Zhou, Hao Ding
	Energy transition, production factor distortions and electricity supply security Jinsong Zhao, Xinghao Li, Chin-Hsien Yu, Dayong Zhang
	Coordinated effect of green expansion and carbon reduction: Evidence from sustainable development of resource-based cities in China Yaru Hou, Mian Yang
	The energy transition towards carbon neutrality: Evidence from China's low-carbon city pilot policy Yishuang Liu, Xiujie Tan
	Session 51: Spillovers among energy stocks Chair: Jiawen Luo (South China University of Technology)
	Multi-layer risk spillover network of Chinese energy companies under the background of carbon neutralization Wenwen Zhou, Ruilin Feng, Yu Shi, Ximeng Cao
10:25-12:05	Extreme risk contagion and portfolio of energy stocks from the perspective of intraday trading Jiawen Luo, Qi Zhou, Zehua He
	Multi-scale pattern causality of the price fluctuation in energy stock market Wenqi Zhao, Qingru Sun, Zishuo Bai, Sui Guo, Jialin Liang, Zenglei Xi
	Dynamic spillover and systemic importance analysis of global clean energy companies: A tail risk network perspective Jing Deng, Huike Zheng, Xiaoyun Xing
	Extreme risk contagion and systemic importance analysis of Chinese fossil energy companies: Evidence from multi-layer dynamic network Jing Deng, Zihan Xu, Xiaoyun Xing
	Session 52: Urban low carbon finance Chair: Xiang Gao (Academy of Mathematics and System Science, Chinese Academy of Sciences)



10:25-12:05	Can renewable energy promote economic development? Evidence from micro data on China's county-level renewable energy projects Qiang Tu, Limei Zuo, Jianlei Mo
	Responses of China's cross-border investors to domestic environmental regulations Kang Lin, Xiang Gao, Kailan Tian, Cuihong Yang, Yu Zhao
	Has critical illness insurance improved the health care demand of the middle-aged and elderly population? Evidence from China Yanfang Zhang, Qi Gao, Dequn Zhou
	The impact of green fiscal policy on urban sustainable development: Evidence from Chinese pilot cities Wenxuan Xu, Tao Wu
	Climate warming risk and urban-rural income inequality: Evidence from prefecture-level cities in China Xinheng Liu, Yangsheng Liu, Xinyu Peng
10:25-12:05	Session 53: The spillover effect of carbon/energy market Chair: Xiaohua Xia (Renmin University of China)
	Carbon emission market and price spillover effect of electricity market Hao Bing, Fanyi Meng
	Oil-gas price spillover and marketization under the Black Swan event: Evidence from time-varying and frequency domain Tiantian Wang
	The risk spillover and quantile network connectedness between China's green financial and energy markets Yang Gao, Yueyi Zhou
	Correlation and spillover effects between the carbon market and China's stock market: Wavelet and quantile coherency network analysis Luxi Sun, Zhili Wang, Xiaohua Xia
10:25-12:05	Session 54: ESG performance and corporate debt Chair: Hong Cao (Capital University of Economics and Business)
	ESG and corporate debt maturity in China Kangqi Jiang, Zizhen Huang
	Firm ESG performance and cost of debt : Evidence from China Ruibo Yang
	Does ESG performance affect bank risk-taking? Evidence from China Yonghui Lian, Ting Chen, Hong Cao
	Does ESG performance affect trade credit financing? Evidence from China Yonghui Lian, Zixin Yang, Hong Cao
10:25-12:05	Session 55: Financialization and carbon reduction Chair: Shanglei Chai (Shandong Normal University)
	The effects of green finance on pollution and carbon reduction: Evidence from China's industrial firms Lin Fan, Binbin Peng, Zhongguo Lin, Hongyang Zou, Huibin Du
	Impacts of China's carbon trading pilot on green financial network Xiangyi Lu, Yao Xie, Jinyi Liu, Jianzhong Xiao, Jiachao Peng
	Does financial structure mitigate carbon emissions? Evidence from heterogeneous development stages economies Xingyuan Yao

	<p>Helping hand or grabbing hand: How does the land finance affect green economic growth in China? Boqiang Lin, Yicheng Zhou</p>
	<p>Does environmental investment improve corporate productivity? Evidence from Chinese listed firms Chao Wang, Yue-Jun Zhang</p>
10:25-12:05	<p>Session 56: The impacts of extreme weather Chair: Bing-Yue Liu (Beihang University)</p>
	<p>Robust portfolio-consumption choice with rare disaster risk under sustainable constraint Deqing Luo, Jingzhou Yan, Jiawen Xu, Xiaoping Wu</p>
	<p>Does extreme weather affect household asset allocation? Evidence from Chinese microdata Linwan Zhang, Yifang Yue</p>
	<p>Extreme rainfall and corporate financial asset allocation: Evidence from China Mengmeng Guo, Qiang Wen, Yubao Fan</p>
	<p>Extreme-high temperature and increasing victims: Evidence from China Lina Meng, Zihao Yi</p>
10:25-12:05	<p>Session 57: Impacts of oil shocks Chair: Rufei Ma (Macau University of Science and Technology)</p>
	<p>Oil price risk, ESG performance, and downside risk of corporate bonds: Evidence from China Rufei Ma, Liqian Deng, Qiang Ji, Pengxiang Zhai</p>
	<p>Structural oil shocks and bank profitability: International evidence Yi Jin, Dayong Zhang</p>
	<p>Volatility forecasting of crude oil market: An analysis based on climate risk and global environmental indexes Yue-Jun Zhang, Han Zhang</p>
	<p>Identical shock, distinct results: Revealing the causes of inflation after external shocks based on the evidence from five countries Yiran Zhao, Xiangyun Gao</p>
10:25-12:05	<p>Session 58: The impacts of climate change Chair: Pengxiang Zhai (Beihang University)</p>
	<p>Climate risk perception among stakeholders in tourism management: A bibliometric analysis Chao-Nan Xu, Ya-Jie Peng, Ying-Zi Lin, Xin-Long Xu</p>
	<p>Climate change and the influence of monetary policy in China Tong Fang, Xiaoni Song</p>
	<p>Dose climate finance alleviate Inequality? Evidence from developing countries Xinrui Li, Chin-Hsien Yu, Jinsong Zhao, Dayong Zhang, Chi-Chuan Lee</p>
	<p>Climate change and corporate debt financing: Global evidence Rufei Ma, Xinxin Fu, Qiang Ji, Pengxiang Zhai</p>
10:25-12:05	<p>Session 59: Supply chain and value chain Chair: Xuemei Jiang (Capital University of Economics and Business)</p>
	<p>The impact of domestic value chain embedding on renewable energy efficiency: Evidence from China's manufacturing Guo Chen, Yishuang Liu, Baoxi Li, Amsalu K. Addis, Naiqian Wu</p>
	<p>The effect of interest rate on supply chain contract selection Qing Zhu, Yudong Wang</p>
	<p>The evolutionary behavior of green supply chain network with blockchain technology Ting Yang, Chaoqun Ma, Xianhua Mi</p>
	<p>Peer effect on low-carbon activities of firms along value chain: Evidence from China Xuemei Jiang, Xinyang Zhang, Yan Xia</p>

12:05-12:35	Closing ceremony Best Paper Award Next conference Closing remarks
12:35	Lunch

会议地点：湖南佳兴世尊大酒店

Conference venue: Worldhotels

会议地址：湖南省长沙市岳麓区金星中路247号

Conference address: 247 Jinxing Middle Road, Yuelu District, Changsha, China



ICEF2023 DETAILED PROGRAMME

WELCOME TO CHANGSHA

Climate and Environment: Changsha has a typical humid subtropical climate with four distinct seasons and pleasant living conditions. 23°C-30°C of average temperature in June makes the human body feel very comfortable during ICEF 2023. Surrounding the city are the beautiful Yuelu Mountain, Dawei Mountain, and Weishan Mountain. The Xiangjiang River runs through the city from south to north with the picturesque Orange Isle quietly lying in it. Changsha was listed in "China's Top 10 Ecological, Livable and Leisure Cities" in 2012 and "China's Top 10 Happiest Cities" in 2020.



The pleasant environmental, climatic conditions of Changsha

Economy: Changsha, one of the new first-tier cities in China, has a unique economic development pattern. As of 2021, Changsha has a resident population of 10.24 million, a regional GDP of 1.33 trillion Yuan. Changsha has a developed night economy. Changsha is a 24-hour city and its center is still crowded even at night. Its night consumption accounted for 52.6% of all-day consumption in 2020 and ranked the 2nd in "China's Top 10 Most Influential Cities of Night-time Economy" in 2021.



Developed night economy in Changsha

History and Culture: Changsha is one of the first batch of national historical and cultural cities. After three thousand years, its name and site remain unchanged. It is known as "the home town of QU Yuan and JIA Yi", "the famous city of Chu and Han Dynasties", "Confucian culture in Xiaoxiang ". Changsha is not only one of the origins of the late Qing Reform movement and the old democratic revolution, but also one of the birthplaces of the new democracy. Changsha is closely related to a great number of celebrities, including HUANG Xing, CAI E, MAO Zedong and LIU Shaoqi. The culture can be condensed as "Be practical and swallow anything and everything".



Yuelu Academy, one of the four most famous academies in China's history

Tourist Attractions & Culinary Specialties: Changsha has many tourist attractions and its culinary specialties are also popular in China (see the Tour section of our website for details). Changsha is surrounded by rivers and beautiful sceneries. There are many must-see attractions such as the Mawangdui Han Tomb (马王堆汉墓), Yuelu Academy (岳麓书院), Aiwan Pavilion (爱晚亭), Juzizhou Islet (橘子洲), Wuyi Square (五一广场) and Taiping ancient alley (太平老街). These sites have a very distinctive Hunan culture character. Changsha has a wide variety of inexpensive, tasty, and authentic snacks, such as flavored shrimp (口味虾), stinky tofu (臭豆腐), sugar and oil cake (糖油粑粑), and rice vermicelli (米粉). They have different flavors and you must try them in person when in Changsha.



Flavored shrimp (口味虾)

Sugar and oil cake (糖油粑粑)

Stinky tofu (臭豆腐)

Must-try specialties in Changsha

ABOUT ICEF

The International Conference on Climate and Energy Finance (ICEF) is an annual conference organized by the ISETS Energy Finance Network and Society for the Studies of Climate Finance, CSOOPM. ICEF seeks to provide a platform for international scholars to share their frontier research on the subject of Climate and Energy Finance.



Five consecutive ICEF conference have been successfully held in in Beijing (2018), Kunming (2019), Qingdao (2020), Xiamen (2021) and Nanjing (2022)

—— Top Academic Conferences ——

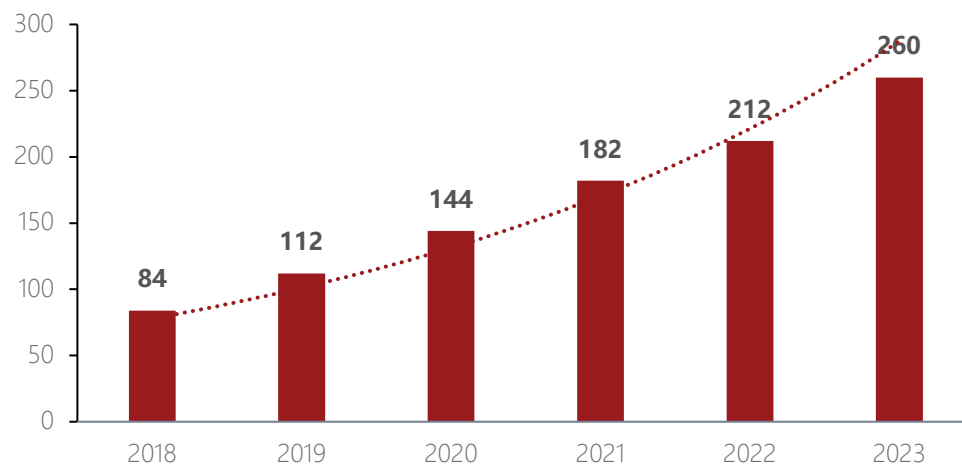
重要学术会议指南



ICEF has been named in the China Association for Science and Technology's guide to Top Academic Conference (2020, 2021, 2022 & 2023) for four consecutive years.



ICEF 2023 received 260 submissions from more than 110 universities and research institutes, including Chinese Academy of Sciences, Tsinghua University, Peking University, Xiamen University, Shanghai Jiao Tong University, Tongji University, Xiamen University, Xiamen university, Wuhan university, Beihang University, Tianjin University, Nankai university, Renmin University of China, China University of Petroleum, China University of Geosciences, China University of Mining and Technology, City University of Hong Kong, McNeese State University and other universities. The number of accepted manuscripts again creates new high for the ICEF conference!



The number of articles accepted for presentation shows an increasing trend year by year. ICEF 2023 has 260 submissions .



The word cloud of submitted paper titles in ICEF 2023

2023 INTERNATIONAL CONFERENCE ON CLIMATE AND ENERGY FINANCE (ICEF 2023)

New Trends in Climate Finance under the Carbon Neutrality Target

June 2-4, 2023 Changsha, China

