



ENERGY FINANCE
能源金融联盟



2021 INTERNATIONAL CONFERENCE ON CLIMATE AND ENERGY FINANCE (ICEF)

24-25 April 2021, Xiamen, China



WELCOME

The year 2021 marks the centenary anniversary of Xiamen University. This is not only an important time node to build on past achievements and forge ahead, but also an important milestone in the development process of Xiamen University. As one of the sub-forums of the International Forum on Humanities and Social Sciences of Xiamen University, the 2021 International Conference on Energy and Climate Finance is conducive to highlighting the development achievements of the Humanities and Social Sciences of Xiamen University, thus establishing a platform for dialogue and communication among experts across the world.

On behalf of the organizing and scientific committee, I would like to warmly welcome all distinguished guests, participants both online and offline to join us. We sincerely hope you to have a fruitful conference and joyful stay in the city of Xiamen.

Boqiang Lin
Conference Chair

ORGANIZERS

中国能源金融联盟
China Energy Finance Network

厦门大学
Xiamen University

中国优选法统筹法与经济数学研究会
Chinese Society of Optimization, Overall Planning and Economical Mathematics



CO-ORGANIZERS

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

中国“双法”研究会气候金融研究分会(筹)
Society for the Studies of Climate Finance

西南财经大学
Southwestern University of Finance and Economics

国际能源转型研究学会
International Society for Energy Transition Studies

南京航空航天大学
Nanjing University of Aeronautics and Astronautics

南京理工大学
Nanjing University of Science & Technology

中国科学院青年创新促进会
Youth Innovation Promotion Association of Chinese Academy of Sciences



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Chinese Academy of Sciences, China



Jianping Li

University of Chinese Academy of Sciences, China



Boqiang Lin

Xiamen University, China



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Yudong Wang

Nanjing University of Science and Technology, China



Yuejun Zhang

Hunan University, China



Professor Qiang Ji
*Institutes of Science and Development
Chinese Academy of Sciences*



Dr. Qiang Ji is a professor in Institutes of Science and Development, Chinese Academy of Sciences (CAS). His research interest covers broad areas of big data and energy finance, energy economics and energy strategy management, forecast modelling and risk management and financial econometrics. He has published more than 150 articles in peer-reviewed journals, including: *The Energy Journal*, *Energy Economics*, *International Journal of Forecasting*, and others. He presides over the Excellent Young Scientists Fund of China supported by NSFC. He serves as senior editor, associate editor and subject editor for *Finance Research Letters*, *International Review of Financial Analysis* and *International Review of Economics and Finance* and International Advisory Board in *Energy Policy*. 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.



Professor Dayong Zhang
Southwestern University of Finance and Economics



Dayong Zhang is a Professor of Financial Economics at Southwestern University of Finance and Economics, China. Professor Zhang received his PhD from the University of Birmingham (UK). His research interest covers broad areas of energy economics, energy finance, banking and finance, and general economic and financial issues in emerging economies. He has published more than 100 articles in peer-reviewed journals. He is the chief investigator of the major program from the National Social Science Foundation of China, principle investigator of the grants from National Natural Science Foundation of China, British Academy, and others. He is an associate editor of *International Review of Financial Analysis*, *International Review of Economics & Finance*; senior editor of *Finance Research Letters*; and also the guest editor of *Energy Economics*, *Energy Policy* etc.; the co-founder of China Energy Finance Network, president of the Society for the Studies of Climate Finance, vice president of International Society for Energy Transition Studies.





Professor Boqiang Lin
Xiamen University



Boqiang Lin is a "Chang Jiang Scholar" Distinguished Professor, and Dean of China Institute for Studies in Energy Policy, School of Management, Xiamen University; Editor, *Energy Economics*. His current research and teaching areas including energy economics and energy policy.

He is a member of National Energy Consultation Committee under National Energy Commission; Member of National Energy Price Consultation Committee under National Development and Reform Commission. He is currently a member of the executive committee of Board of Stewards on Future of Energy of the World Economic Forum based in Davos Switzerland.

He has received 14 times of the ministerial and provincial-level science research awards and responsible for more than 120 research projects. He has published more than 470 academic papers in international and domestic energy and economics journals. He is co-author of several textbooks including *Elementary Energy Economics*, *Advanced Energy Economics*, and *Energy Finance*.



Professor Jianping Li
*University of Chinese
Academy of Sciences*



Dr. Jianping Li is a professor at School of Economics and Management, UCAS. He has received the National Science Fund for Distinguished Young Scholars (2014). He serves as Executive Member and Secretary-General of the International Academy of Information Technology and Quantitative Management, Executive Editor-in-Chief of *Chinese Journal of Management Science*, etc. He was awarded the China Youth Science and Technology Award, the National Excellent Scientific and Technological Workers and the Excellent Tutor Award of Chinese Academy of Sciences. He has published 6 monographs and over 180 papers in various journals and conferences/proceedings.





Dr. Yan Xia

*Institutes of Science and Development
Chinese Academy of Sciences*



Associate Researcher of the Institutes of Science and Development, Chinese Academy of Sciences (CAS). 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. Her more recent work has included looking at global value chains, the 'network' side of climate change, particularly on agriculture, water and assessing the economic tradeoffs between carbon taxes and lower climate damage, and assessing the impact of digital economy and labor market. Her analysis relies on the development and use of a so-called integrated assessment model that integrates economics, greenhouse gas emissions, climate, agricultural and water resource in a coherent modeling framework. She is the principle investigator of many number of grants from the National Natural Science Foundation of China (NSFC), World Bank, National Bureau of Statistics, and others. Dr Yan 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.



Dr. Wei Wu

Xiamen University



Wei Wu is an Assistant Professor of Energy Economics at Xiamen University, who receive his PhD from the School of Economics, Xiamen University. His research interest covers broad areas of Energy Policy, Energy Economics, Energy Storage Commercialization, Energy Transformation and General Equilibrium Model. He has published 16 articles in peer-reviewed journals, including Energy Economics, Energy Policy, Energy, Social Science in China (Chinese) etc. He has served as a member of the 14th Five-Year Energy Technology Forecast Expert Group of the Ministry of Science and Technology, and has repeatedly reported research results to the National Energy Administration, the China Electricity Council and the Coal Industry Association. His researches have also won many awards such as the first prize of Fujian Social Science Outstanding Achievement Award.





Professor Xi Lu

Tsinghua University



Dr. Lu received his PhD in John A. Paulson School of Engineering and Applied Sciences at Harvard University in 2010. After then, he continued in working at Harvard as a postdoctoral fellow, research associate and lecturer until joining Tsinghua in 2015. His research interests emphasize study of the technical, economic, and environmental dimensions of low or zero carbon energy sources as a means to reduce emissions of greenhouse gases (GHGs) and air pollutants. His primary research area concentrates on modeling complex systems of renewable energy, environment and climate including resource assessment for wind and solar power, complementary effects of wind, solar and hydro power and the benefits for grid integration, energy storage, emission inventory of GHGs and air pollutants, as well as urbanization and energy systems. He published papers in Science, PNAS, Nature Energy, Joule, Nature Sustainability and Nature Communications 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.



Professor Qunwei Wang

Nanjing University of Aeronautics and Astronautics



Qunwei Wang is a Professor and the Deputy Dean of the College of Economics and Management, Nanjing University of Aeronautics and Astronautics (NUAA), China. He is the Deputy Director of Research Center for Soft Energy Science of NUAA. His research interests include energy and environmental economics and management, low-carbon operations management, energy finance and emissions trading. He presides over the Excellent Young Scientists Fund of China supported by NSFC. He was selected to join the fourth batch of the National Ten Thousand Talent Program for Young Top-notch Talents. He has published more than 60 papers in peer-reviewed journals, including Naval Research Logistics, Energy Economics, Ecological Economics, Applied Energy, Energy, Renewable and Sustainable Energy Review, Energy Policy, Transportation Research Part A/Part D, and Technological Forecasting and Social Change. He has been named in global "Highly Cited Researchers 2020" (Cross-field) released by Clarivate Analytics.





Professor Yudong Wang
*Nanjing University of Science
and Technology*



Yudong Wang is a professor of Economics and Finance at Nanjing University of Science and Technology. Prof. Wang received his PhD of Management Science and Engineering from Shanghai Jiao Tong University. He is interested in the area of energy finance and financial forecasting. He has published more than 80 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 3000 times in Google Scholar, and his H index is 33. He is selected as 2019 Elsevier "Chinese highly cited scholar" in the area of economics, econometrics, and finance. 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 current work is supported by Excellent Youth Foundation of China.



Professor Yue-Jun Zhang
Hunan University



Dr. Yue-Jun Zhang is a Professor with Business School of Hunan University, China, as well as the Director of Center for Resource and Environmental Management, Hunan University. Professor Zhang got his PhD degree in management science from Chinese Academy of Sciences in 2009. His research interests focus on energy finance, environmental policy and innovation management. Up to now, under the support of several national research projects, Professor Zhang has published more than 130 articles in peer-reviewed journals, such as European Journal of Operational Research, Energy Economics. He is a subject editor of Sustainable Production and Consumption (JCR Q1 journal). He was a visiting scholar at Lawrence Berkeley National Laboratory (LBNL), University of California, USA, and Energy Studies Institute (ESI) of National University of Singapore.



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Elie Bouri	<i>Holy Spirit University of Kaslik, Lebanon</i>
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Peng Zhou	<i>China University of Petroleum (East China), China</i>

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Mian Yang	<i>Wuhan University, China</i>
Yicheng Zhou	<i>Xiamen University, China</i>

KEYNOTE SPEAKERS



Prof. Lutz Kilian
*Senior Economic Policy Advisor
Federal Reserve Bank of Dallas*

Lutz Kilian has been a senior economic policy advisor at the Federal Reserve Bank of Dallas since July 2019. He received his MA in development banking from the American University in 1988 and his PhD in economics from the University of Pennsylvania in 1996. Prior to his PhD, he worked for the research department of the Inter-American Development Bank in Washington, D.C. He joined the faculty of the University of Michigan in 1996, where he was tenured in 2002 and promoted to professor of economics in 2008. During 2001–03 he served as the research adviser to the European Central Bank in Frankfurt am Main, Germany.



Prof. Roger H. von Haefen
North Carolina State University

Roger H. von Haefen is Professor in the Department of Agricultural and Resource Economics and Associate Director of the Center for Environmental and Resource Economics Policy (CEnREP) at North Carolina State University. He received his Ph.D. in Economics from Duke University and a B.A. in Economics from the University of Notre Dame. Dr. von Haefen's research and teaching programs focus on environmental and resource economics, with special emphasis on applying tools from benefit-cost analysis and non-market valuation to water, coastal and transport issues. He is currently the Co-Editor-in-Chief of the Journal of Environmental Economics and Management.



Prof. Bing Zhang
Nanjing University

Bing Zhang is professor of environmental economics and policy at the School of Environment and School of Government, Nanjing University. His research focuses on the economic analysis of a variety of environmental governance and policy, being published in some of the most highly esteemed journals in both the environmental economics and mainstream economic literature including the Quarterly Journal of Economics, PNAS, American Journal of Political Science, Journal of Public Economics, Journal of Development Economics, Journal of Environmental Economics and Management, Journal of Policy Analysis and Management, etc.

EDITORIAL FORUM

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SPECIAL ISSUE

Selected papers are eligible to be considered for publication in a special issue in one of our support journals,

- **The Energy Journal (SSCI, JCR1, ABS3, ABDC A)**
Energy market transition, financialisation and integration
- **Economic Analysis and Policy (SSCI, JCR 2)**
On the pathways to carbon neutrality: financing and investment
- **International Review of Economics and Finance (SSCI, JCR2, ABS2, ABDC A)**
Climate and energy finance related topics

Qualified papers can also be invited to submit to the suitable journal based on recommendations by the guest editors and editors in the following journals:

- **Resources, Conservation & Recycling (SCI, JCR1)**
- **International Review of Financial Analysis (SSCI, JCR 1, ABS 3, ABDC A)**
- **Finance Research Letters (SSCI, JCR 1, ABS 2, ABDC A)**
- **Frontiers in Environmental Science (SCI, JCR2)**
- **Frontiers in Ecology and Evolution (SCI, JCR2)**
- **Frontiers in Earth Science (SCI, JCR2)**
- **Journal of Environmental Economics(Chinese)**

The final recommendation will be finished by our scientific committee before 30 May 2021. All the papers selected for inclusion in the special issues will go through the journal's blind review process. Please note there is not a guarantee for publication in the SI.

PROGRAMME

Friday, April 23 2021					
14:00-18:00	Registration				
Saturday, April 24 2021					
08:30-9:00	Welcome and Opening Remarks				Zoom meeting ID: 998 5738 5950 password: 832333
09:00-10:10	Keynote Speeches 1 & 2				
10:10-11:10	Editor forum				
11:10-11:40	Photo session & Tea break				
11:40-12:15	Keynote Speech 3				
12:15-13:30	Lunch Haishangmingzhu Hall Building 8 8号楼海上明珠厅				
Concurrent Sessions					
13:30-14:50	Session 1 Qionglin Multi-Function Hall 琼林厅 Tencent meeting ID: 634 387 182	Session 2 Liqun I Multi-Function Hall 礼泉1厅	Session 3 Liqun II Multi-Function Hall 礼泉2厅	Session 4 Guangyi Multi-Function Hall 广益厅	Session 5 Wenyuan Multi-Function Hall 文园厅
	Session 6 Huijian Conference Hall 会见厅	Session 7 Yinhe Multi-Function Hall 饮和厅 Tencent meeting ID: 986 897 535	Session 8 Manda Multi-Function Hall 文华厅	Session 9 Xuan I Multi-Function Hall 轩1厅	Session 10 Xuan II Multi-Function Hall 轩2厅
14:50-15:05	Tea break				
Concurrent Sessions					
15:05-16:25	Session 11 Qionglin Multi-Function Hall 琼林厅 Tencent meeting ID: 634 387 182	Session 12 Liqun I Multi-Function Hall 礼泉1厅	Session 13 Liqun II Multi-Function Hall 礼泉2厅	Session 14 Guangyi Multi-Function Hall 广益厅	Session 15 Wenyuan Multi-Function Hall 文园厅
	Session 16 Huijian Conference Hall 会见厅	Session 17 Yinhe Multi-Function Hall 饮和厅 Tencent meeting ID: 986 897 535	Session 18 Manda Multi-Function Hall 文华厅	Session 19 Xuan I Multi-Function Hall 轩1厅	Session 20 Xuan II Multi-Function Hall 轩2厅
16:25-16:40	Tea break				
Concurrent Sessions					
16:40-18:00	Session 21 Qionglin Multi-Function Hall 琼林厅 Tencent meeting ID: 634 387 182	Session 22 Liqun I Multi-Function Hall 礼泉1厅	Session 23 Liqun II Multi-Function Hall 礼泉2厅	Session 24 Guangyi Multi-Function Hall 广益厅	Session 25 Wenyuan Multi-Function Hall 文园厅
	Session 26 Huijian Conference Hall 会见厅	Session 27 Yinhe Multi-Function Hall 饮和厅 Tencent meeting ID: 986 897 535	Session 28 Manda Multi-Function Hall 文华厅	Session 29 Xuan I Multi-Function Hall 轩1厅	Session 30 Xuan II Multi-Function Hall 轩2厅
15:30-17:10	Online Session I Zoom meeting ID: 982 7927 9910 password: 940849		Online Session II Zoom meeting ID: 928 9659 6256 password: 541419		
18:30	Dinner party Mingxiao Hall 明宵厅				

Sunday, April 25 2021

9:00-10:40	Concurrent Sessions				
	Session 31 Qionglin Multi-Function Hall 琼林厅 Tencent meeting ID: 694 409 031	Session 32 Liqun I Multi-Function Hall 礼泉1厅	Session 33 Liqun II Multi-Function Hall 礼泉2厅	Session 34 Guangyi Multi-Function Hall 广益厅	Session 35 Wenyuan Multi-Function Hall 文园厅
10:40-11:00	Tea break				
11:00-12:00	Closing Ceremony Amethyst Ballroom 紫晶厅				
12:00	Lunch Haishangmingzhu Hall Building 8 8号楼海上明珠厅				



CONCURRENT SESSIONS

Session 1	Pathways to carbon neutrality I <i>Chair: Hongguang Nie</i>	Session 11	Pathways to carbon neutrality II <i>Chair: Chin-Hsien Yu</i>
Session 2	Time series analysis of energy prices I <i>Chair: Shupeí Huang</i>	Session 12	Time series analysis of energy prices II <i>Chair: Xiaohua Xia</i>
Session 3	Volatility modelling <i>Chair: Xu Gong</i>	Session 13	Energy risk management <i>Chair: Sufang An</i>
Session 4	Oil and stock markets <i>Chair: Yaojie Zhang</i>	Session 14	Carbon pricing <i>Chair: Xiaolei Sun</i>
Session 5	China and international markets <i>Chair: Hongzhi Tian</i>	Session 15	Global energy networks <i>Chair: Yifan Shen</i>
Session 6	Technology and green transition <i>Chair: Kerui Du</i>	Session 16	Financing and green technological progress <i>Chair: Mian Yang</i>
Session 7	Environment and corporate finance <i>Chair: Huiming Zhang</i>	Session 17	Uncertainties and corporate behavior <i>Chair: Jinsong Zhao</i>
Session 8	Economic impacts and growth <i>Chair: Xinju He</i>	Session 18	Studies on environmental policies <i>Chair: Xinlong Xu</i>
Session 9	Regional studies <i>Chair: Shihong Zeng</i>	Session 19	Analysis on power sector <i>Chair: Qiang Tu</i>
Session 10	Role of financial development <i>Chair: Yanmin Shao</i>	Session 20	Green bonds <i>Chair: Huimin Zhao</i>
Session 21	Carbon market: Strategy and behavior <i>Chair: Jiangbo Geng</i>	Session 31	Impacts of COVID-19 <i>Chair: Qunwei Wang</i>
Session 22	Forecasting oil prices <i>Chair: Yahua Xu</i>	Session 32	Energy and the macroeconomy <i>Chair: Yi Hu</i>
Session 23	Energy and commodity prices <i>Chair: Zhaobo Zhu</i>	Session 33	Cross-market risk spillovers <i>Chair: Jiasha Fu</i>
Session 24	Big data analytics <i>Chair: Xiaoqian Zhu</i>	Session 34	Emission trading scheme (ETS) <i>Chair: Zhonghua Cheng</i>
Session 25	International studies <i>Chair: Jie Wu</i>	Session 35	Low carbon cities <i>Chair: Yu Liu</i>
Session 26	Resource allocation and efficiency <i>Chair: Jingyu Liu</i>	Session 36	Determinants of green innovation <i>Chair: Yan Xia</i>
Session 27	Financial intermediaries <i>Chair: Yi Jin</i>	Session 37	ESG and information disclosure <i>Chair: Pengxiang Zhai</i>
Session 28	Environment and social welfare <i>Chair: Mengyao Han</i>	Session 38	Behavioral analysis on EE <i>Chair: Jiajia Li</i>
Session 29	Renewable energy sector <i>Chair: Shoujun Huang</i>	Session 39	Green development in electricity market <i>Chair: Bai-Chen Xie</i>
Session 30	General financial markets <i>Chair: Bingyue Liu</i>	Session 40	Sectoral analysis <i>Chair: Tong Fu</i>
Online Session I: Time series analysis <i>Chair: Duc Khuong Nguyen</i>		Online Session II: Energy and environment <i>Chair: Claudio Morana</i>	

DETAILED PROGRAMME

Saturday, April 24 2021

08:30-09:00	Welcome and Opening Remarks	
09:00-10:10	Keynote speech I: <i>Lutz Kilian</i> Keynote speech II: <i>Roger H. von Haefen</i>	Zoom meeting ID: 998 5738 5950 password: 832333
10:10-11:10	Editor forum	
11:10-11:40	Photo session & Tea break	
11:40-12:15	Keynote speech III: <i>Bing Zhang</i>	
12:15-13:30	Lunch	
13:30-14:50	Session 1: Pathways to carbon neutrality I Chair: Hongguang Nie, Changchun University of Science and Technology	
	1. Identification and analysis of global carbon emission paths under carbon neutral targets <i>Min Hu, Dayong Zhang</i>	
	2. The effectiveness and trade-offs of renewable energy policies in achieving the carbon neutrality target in China: A dynamic computable general equilibrium <i>Qi Cui, Jinzhu Zhang, Yu Liu, Yawen Liu, Meifang Zhou, Lingyu Yang, Xinbei Li</i>	
	3. Investigating the adoption of energy-saving measures in residential sector: The contribution to carbon neutrality of China and Europe <i>Hongguang Nie, René Kemp, Ying Fan</i>	
	4. How to deliver carbon neutrality efficiently: A study based on the external cost of carbon emissions in China <i>Peilin He, Jinsong Zhao, Dayong Zhang, Chin-Hsien Yu, Wen-Chieh Lee</i>	
	Session 2: Time series analysis of energy prices I Chair: Shupe Huang, China University of Geosciences (Beijing)	
	1. Is oil-gas price decoupling happening in China? A multi-scale quantile-on-quantile approach <i>Xiaoyu Miao, Qunwei Wang</i>	
	2. The dynamic moderating effect of the exchange rate market on the oil-stock nexus <i>Xin Xu, Shupe Huang, Haizhong An</i>	
	3. Global economic policy uncertainty aligned: An informative predictor for crude oil market volatility <i>Yaojie Zhang, Mengxi He, Yudong Wang</i>	
	4. The role of institutional analyst forecast bias on international oil price and trading: Evidence from a GARCH-MIDAS approach <i>Yuejun Zhang, Yuanyuan Zhang</i>	
	Session 3: Volatility modelling Chair: Xu Gong, Xiamen University	
	1. Volatility forecasting: a new GARCH-type model absorbing range and point-valued price information <i>Xingyu Dai, Qunwei Wang</i>	
	2. The Spillovers between Oil Price Volatility and Economic Policy Uncertainty: Based on a Mixed-frequency Method <i>Tangyong Liu, Xu Gong</i>	
	3. Good oil volatility, bad oil volatility, and stock return predictability <i>Jihong Xiao, Yudong Wang</i>	
4. The uncertainty of volatility correlation in global stock markets <i>Tao Wu, Xiangyun Gao</i>		

Saturday, April 24 2021

13:30-14:50

Session 4: Oil and stock markets

Chair: Yaojie Zhang, Nanjing University of Science and Technology

1.Oil shocks and stock market volatility: Evidence from MS-Lasso models
Xinjie Lu, Jiqian Wang, Feng Ma

2.Risk spillover between crude oil price and Chinese stock market: An EVT-time varying copula model
Yun Gu, Mengmeng Guo

3.Risk transmission mechanism between oil market and clean energy stock markets:A quantile interdependence framework
Xueping Tan, Yong Geng, Xinyu Wang, Andrew Vivian

4.Forecasting stock returns: The role of oil price shock
Yuqi Zhao, Xianfeng Hao, Yudong Wang

Session 5: China and international markets

Chair: Hongzhi Tian, Northwest University

1.Impact of outward foreign direct investment on carbon emission in the home country: Evidence from China
Xiangyou Wu

2.Empirical Study of Factors Influencing Performances of China's Investment in Energy Infrastructure in Countries on "The Belt and Road" ——A Perspective Based on Political Risks
Fang Yang, Qinfan Gan

3.Research on the linkage of Chinese crude oil market and international market
Qiang Ji, Wanli Zhao, Ying Fan

4.A study of the mechanisms and effects of China's participation in international crude oil pricing from an informal institutional perspective
Hongzhi Tian, Feng Yao, Hui Li

Session 6: Technology and green transition

Chair: Kerui Du, Xiamen University

1.Tech-integrated paradigm based approaches towards green technological transition
Rui Qiu, Shuhua Hou

2.Industrial agglomeration, marketization process and green economy transition
Zuoren Sun, Peipei Tian

3.Could environmental regulations and intellectual property protection stimulate green technological innovation evidence from China
Yusen Luo

4.Does expanding renewable energy technology innovations reduce China's CO2 emissions? Fresh evidence from new approaches
Kerui Du, Ning Zhang, Zheming Yan

Session 7: Environment and corporate finance

Chair: Huiming Zhang, Nanjing University of Information Science & Technology

**Tencent meeting
ID: 986 897 535**

1.Will the carbon emissions market in China increase the risk-taking level of its enterprises?
Boqiang Lin, Nan Wu

2.Does climate risk affect the cost of equity capital?
Xiaojun Chu

3.The impact of stock price crash on enterprise green technology innovation
Man Wang, Lanxin Liu

4.How do firms manage earnings in natural disasters?
Kai Wu, Huiming Zhang, Shouyang Wang, Yueming Qiu

5.The impact of supplier instability on corporate social performance throughout a firm's lifecycle: A social systems theory perspective
Yang Yang, Jiang Yan, Jia Fu

13:30-14:50	Session 8: Economic impacts and growth Chair: Xinju He, Hefei University of Technology	
	1. Correcting aggregation bias from micro-units to macroeconomy <i>Xinju He, Huaqing Wu, Ruipeng Tan</i>	
	2. Pollution emission and economic growth revisited: A novel approach of spatial hyperbolic decomposition in sewage reduction <i>Shunjia Liu, Xinlong Xu</i>	
	3. The effect of the implement of heavy air pollution emergency plan to PM2.5 on health and economy in Beijing-Tianjin-Hebei area <i>Xiaoyu Li, Huibin Du, Zengkai Zhang</i>	
	4. Relationship between green development and economic growth of Shandong peninsula urban agglomeration: Based on decoupling index <i>Songlin Tang, Qian Zhang</i>	
	Session 9: Regional studies Chair: Shihong Zeng, Beijing University of Technology	
	1. The impact of regional green technological innovation on China's energy intensity <i>Shihong Zeng, Gen Li</i>	
	2. The impact of green finance on green economy development efficiency -Based on panel data of 30 provinces in China <i>Yuxin Kang, Fengqi Liu, Kun Guo</i>	
	3. The impact of feed-in tariff degression on regional wind power investment in China <i>Jie Wu, Boyang Zhang</i>	
	4. The temporal-spatial evolution characteristics of shadow economy in China: Empirical evidence using prefecture level data <i>Xiaolei Yang, Shuiying Zhong</i>	
	Session 10: Role of financial development Chair: Yanmin Shao, University of Science and Technology Beijing	
	1. The impact of financial development on carbon emission of steel industry in various countries <i>Yanmin Shao, Junlong Li, Xueli Zhang</i>	
	2. Does environmental regulation induce financial development better for green technological innovation in China? <i>Xiaoxiao Zhou, Juntao Du</i>	
	3. Is financial development helpful to improve the efficiency of green development?—Evidence from the "Belt and Road" countries <i>Lisha Yang, Mengying Ni</i>	
4. The impact of China's financial development on carbon emissions: Promote or inhibit? <i>Yuejun Zhang, Mengfan Du</i>		
14:50-15:05	Tea break	
15:05-16:25	Session 11: Pathways to carbon neutrality II Chair: Chin-Hsien Yu, Southwestern University of Finance and Economics	
	1. Carbon tax vs. carbon market: which one can better help China's coal-based electricity industry achieve carbon neutrality? <i>Yazhi Song, Yin Li</i>	
	2. The economic costs of carbon neutrality in the industry: From a resource allocation perspective <i>Xinghao Li, Chin-Hsien Yu, Dayong Zhang, Jinsong Zhao, Wen-Chieh Lee</i>	
	3. Investigating the effectiveness of green credit policy in achieving the carbon neutrality target in China based on a dynamic computable general equilibrium <i>Yawen Liu, Meifang Zhou, Yu Liu, Qi Cui, Jinzhu Zhang, Lingyu Yang, Xinbei Li</i>	
	4. The effectiveness and trade-offs of renewable energy policies in achieving the carbon neutrality target in China: A dynamic computable general equilibrium <i>Qi Cui, Jinzhu Zhang, Yu Liu, Yawen Liu, Meifang Zhou, Lingyu Yang, Xinbei Li</i>	
		Tencent meeting ID: 634 387 182

Saturday, April 24 2021

15:05-16:25	<p>Session 12: Time series analysis of energy prices II Chair: Xiaohua Xia, Renmin University of China</p>
	<p>1.Does coal price fluctuation propagate between sectoral stock markets in China? Evidence from quantile coherency network and spatial autoregressive <i>Jionghao Huang, Xiaohua Xia</i></p>
	<p>2.Impacts of oil shocks on the return of EU carbon emissions allowances empirical evidence from a quantile regression approach <i>Yan Zheng, Fenghua Wen</i></p>
	<p>3.The relationship between crude oil futures market and Chinese/US stock index futures market based on breakpoint test <i>Xunfa Lu, Kai Liu, Kin Keung Lai, Hairong Cui</i></p>
	<p>4.Dynamic conditional causality between the carbon and energy markets: A multiple-timescale perspective <i>Lu Yang, Xiaojing Cai</i></p>
	<p>Session 13: Energy risk management Chair: Sufang An, China University of Geosciences (Beijing)</p>
	<p>1.Early warning of critical transition in the heteroscedasticity of crude oil prices <i>Sufang An, Feng An, Xiangyun Gao</i></p>
	<p>2.A shrinking framework for futures hedging in crude oil markets <i>Qianjie Geng, Yudong Wang</i></p>
	<p>3.Crude oil hedging strategy based on a novel hybrid model <i>Chengli Zheng, Kuangxi Su, Yinhong Yao</i></p>
	<p>4. Dynamic portfolio risk forecasting for international crude oil markets based on the GAS-Vine copula <i>Yinhong Yao, Xueyong Liu, Xiaolei Sun, Jianping Li</i></p>
	<p>Session 14: Carbon pricing Chair: Xiaolei Sun, Institutes of Science and Development, Chinese Academy of Sciences</p>
	<p>1.A hybrid model for carbon allowance futures prices forecasting in EU countries <i>Boqiang Lin, Chongchong Zhang</i></p>
	<p>2.Carbon emission rights pricing in China: An improved BS option model <i>Junyun Cai</i></p>
	<p>3.How to formulate a reasonable carbon price? Evidence from a nonparametric econometric method <i>Bin Xu, Boqiang Lin</i></p>
	<p>4.Carbon trading, permit supply and demand, and price fluctuation <i>Liqing Huang, Bangzhu Zhu</i></p>
	<p>Session 15: Global energy networks Chair: Yifan Shen, Tongji University</p>
	<p>1.Why the world tolerated OPEC's manipulation of oil prices? Insights from a global network analysis <i>Yifan Shen, Xunpeng Shi</i></p>
	<p>2.Network structure and driving factors of energy trade along the Belt and Road <i>Ying Shao, Xiaofang Wu</i></p>
	<p>3.Changes and driving forces of energy embodied in China's intermediate and final trade <i>Quanzhi Xia, Xiaofang Wu</i></p>
	<p>4.Detecting the control and dependence relationships within the global embodied energy trade network <i>Bo Ren, Huajiao Li, Jianglan Shi, Ning Ma</i></p>

15:05-16:25	Session 16: Financing and green technological progress Chair: Mian Yang, Wuhan University	
	1.Green finance, adverse selection and technology upgradation of carbon emissions <i>Tao Wu, Chih-Chun Kung, Teng Ge</i>	
	2.The Impact of Capital Mismatch on Total Factor Productivity of Public Energy Companies : Based on the Perspective of Financing Constraints <i>Lu Liu, Yanfang Sun</i>	
	3.Can carbon emission trading scheme affect green innovation? An exploration using a decomposition and difference-in-differences approach <i>Jingru Xu, Baochen Yang , Xiangjing Tong</i>	
	4.Who is financing corporate green innovation? <i>Xiaojian Xiang, Mian Yang</i>	
	Session 17: Uncertainties and corporate behavior Chair: Jinsong Zhao, Southwestern University of Finance and Economics	Tencent meeting ID: 986 897 535
	1.The impact of economic uncertainty on corporate innovation: incentive or hindrance? <i>Xiuqin Wu, Chin-Hsien Yu, Dayong Zhang, Chi-Chuan Lee, Jinsong Zhao</i>	
	2.How do forest firms respond to forest carbon sink policies? Evidence from China's stock market. <i>Boqiang Lin, Hengsong Zhao</i>	
	3.Positive or negative? Study on the impact of government subsidies on the business performance of China's listed photovoltaic companies <i>Boqiang Lin, Ranran Luan</i>	
	4.Oil price uncertainty, corporate governance practices and firm performance <i>Xinyu Song, Baochen Yang</i>	
	Session 18: Studies on environment policies Chair: Xinlong Xu, Institutes of Science and Development, Chinese Academy of Sciences	
	1.Can driving-restriction policies alleviate traffic congestion? A case study of Beijing, China <i>Shuwei Jia, Tianhui Fang</i>	
	2.Influence of clean heating policy on air quality <i>Boqiang Lin, Chuxiong Ling</i>	
	3.Internet use and environmental quality in China the indirect impact of scale, technique and structure effects <i>Wan Huang</i>	
	4.Does green finance policies affect firms' location choices? <i>Jun Li, Dayong Zhang</i>	
	Session 19: Analysis on power sector Chair: Qiang Tu, Tianjin University of Finance and Economics	
	1.Achieving grid parity of offshore wind power in China driven by technological learning effect <i>Qiang Tu, Jianlei Mo</i>	
	2.Profitability of battery energy storage system consisting of arbitrage and frequency regulation—From the perspective of investors <i>Boqiang Lin, Zhiwei Liu</i>	
	3.Dynamic wind-solar power complementarity: evidence and implications for better grid integration <i>Feng Song, Jian Cui, Yihua Yu</i>	
	4.Time-of-use pricing in electricity markets under bulk storage operation and generation inflexibility <i>Presley K. Wesseh, Jr., Boqiang Lin</i>	

Saturday, April 24 2021

15:05-16:25	Session 20: Green bonds Chair: Huimin Zhao, Sun Yat-Sen University	
	1.How does climate risk perception influence the green bond market under different market conditions?Evidence from China <i>Hongwei Zhang, Nan Zhang, Cai Yang, Yingli Li</i>	
	2.The liquidity impact on Chinese green bonds spreads <i>Boqiang Lin, Tong Su</i>	
	3.Air pollution, investors' environmental preference and green premium - Evidence from China green bond <i>Huimin Zhao, Yingfei Chen, Di Wang, Yuqin Huang</i>	
	4.How do green credit policies affect innovation of heavy-polluting firms? <i>Haoyu Chen, Dayong Zhang</i>	
16:25-16:40	Tea break	
16:40-18:00	Session 21: Carbon market: Strategy and behavior Chair: Jiangbo Geng, Zhongnan University of Economics and Law	Tencent meeting ID: 634 387 182
	1.A study on the convergence trading strategy based on law of one price in carbon market <i>Boqiang Lin, Zhizhou Tan</i>	
	2.Spillover effects among China's emissions trading scheme pilots: an improved directed acyclic graph approach <i>Shaoling Chen, Weijuan Liang, Yaxue Yan, Xiaoling Zhang</i>	
	3.Recent progress on spillover effect of carbon market research: Based on bibliometric and social network analysis <i>Jing Liu, Xin Ding</i>	
	4.An examination of herd behavior in China's carbon market based on CCK model <i>Xinxing Zhou, Yan Gao, Bangzhu Zhu</i>	
	5.How do external shocks influence the dynamic spillovers between carbon markets? An analysis based on sparse representation <i>Ranran Liu, Jingyu Li, Qiwei Xie, Weiguo Chen</i>	
16:40-18:00	Session 22: Forecasting oil prices Chair: Yahua Xu, Central University of Finance and Economics	
	1.Intraday return predictability in the crude oil market: the role of EIA inventory announcements <i>Yahua Xu, Ivan Indriawan, Donald Lien, Zhuzhu Wen</i>	
	2.Forecasting oil prices under the parameter instability: machine learning vs. forecast combination <i>Xianfeng Hao, Yudong Wang</i>	
	3.High geopolitical risk persists and the predictability of crude oil prices <i>Zhikai Zhang, Yaojie Zhang, Yudong Wang</i>	
	4.Forecasting crude oil price returns: Can nonlinearity help? <i>Yaojie Zhang, Mengxi He, Danyan Wen, Yudong Wang</i>	
	Session 23: Energy and commodity prices Chair: Zhaobo Zhu, Shenzhen University	
	1.Revisiting the dynamic response of commodities price level to crude oil price shocks <i>Qingru Sun, Xiangyun Gao</i>	
	2.Time-series sentiment contagion in Chinese commodity futures markets <i>Liyun Zhou, MingShi Zhuang</i>	
	3.Analyzing pure contagion between crude oil and agricultural futures markets <i>Xu Gong, Yujing Jin, Boqiang Lin, Tangyong Liu</i>	
	4.Is there a causal relationship between metal prices and new energy stock price index? <i>Yinghui Ding, XiaoPeng,Wang, Qingru Sun</i>	

16:40-18:00	Session 24: Big data analytics Chair: Xiaoqian Zhu, Institutes of Science and Development, Chinese Academy of Sciences		
	1.The way it speaks has given it away: using textual attributes of financial reports to predict fraud in U.S. <i>Xiaoqian Zhu, Yanpeng Chang, Hao Sun, Jianping Li</i>		
	2.Investor sentiment and stock return of new energy companies: A text mining perspective <i>Yiran Shen, Qianqian Feng, Chang Liu, Xiaolei Sun, Qiwei Xie</i>		
	3.Carbon price prediction considering climate change: A text-based framework <i>Qiwei Xie, Jingjing Hao, Jingyu Li, Xiaolong Zheng</i>		
	4.A novel carbon price forecasting model based on RVM <i>Shunxin Ye, Bangzhu zhu</i>		
	Session 25: International studies Chair: Jie Wu, Shanghai University of Finance and Economics		
	1.Can national governance mitigate climate risks in foreign direct investment? <i>Dayong Zhang, Yingtong Chen</i>		
	2.China's Belt and Road initiative and host countries' green innovation <i>Banban Wang, Xinxin Ye</i>		
	3.Age structure and carbon emission with climate-extended STIRPAT model—Evidence from 183 countries and forecast with LSTM methods <i>Wan Liu, Zhechong Luo</i>		
	4.Effects of trade openness on renewable energy consumption in OECD countries: New insights from PSTR modelling <i>Mingming Zhang, Shichang Zhang</i>		
	Session 26: Resource allocation and efficiency Chair: Jingyu Liu, Shanghai Jiao Tong University		
	1.Improvement of total factor productivity and growth of the firm value—Based on the empirical study of manufacturing companies in Shandong province <i>Shujun Liu, Yanfang Sun</i>		
	2.Study on the impact of energy-saving target constraint on China's industrial resource allocation efficiency <i>Mian Yang, Yili Hong</i>		
	3.The allocation of emissions reduction cost in Jing-Jin-Ji of China under production- and consumption- based accounting <i>Huiwen Liu, Huibin Du, Zengkai Zhang</i>		
	4.Why low-carbon technological innovation hardly promote energy efficiency of China? - Based on spatial econometric method and machine learning <i>Wenchao Li, Jian Xu, Shichao Yuan</i>		
	Session 27: Financial intermediaries Chair: Yi Jin, Tianjin University of Finance and Economics		Tencent meeting ID: 986 897 535
	1.Oil price shocks and bank risk around the world <i>Yi Jin, Pengxiang Zhai, Zhaobo Zhu</i>		
	2.The influence of green credit on the efficiency of commercial banks <i>Yongbo Li, Liu Yang</i>		
	3.The catfish effect of city commercial banks' cross-regional expansion: A perspective from China's energy efficiency improvement <i>Mingyan Yang, Zhengning Pu</i>		

Saturday, April 24 2021

16:40-18:00	<p>Session 28: Environment and social welfare Chair: Mengyao Han, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences</p>
	<p>1.Heterogeneous effect on energy poverty convergence in Europe <i>Zhilin Huang, Hongbo Duan</i></p>
	<p>2.Climate finance and inequality <i>Xinrui Li, Jinsong Zhao, Dayong Zhang, Chi-Chuan Lee, Chin-Hsien Yu</i></p>
	<p>3.Chinese enterprises' participation mode and social impacts in Pakistan's photovoltaic projects <i>Mengyao Han</i></p>
	<p>4.Air pollution and the health impacts of coal production: evidence from coalmine accidents in China <i>Yin Chu, J. Scott Holladay, Yun Qiu, Xiang-Liang Tian, Maigeng Zhou</i></p>
	<p>Session 29: Renewable energy sector Chair: Shoujun Huang, University of Science and Technology of China</p>
	<p>1.Technology spillovers in renewable energy sector: Evidence from Chinese patents data <i>Min Shi, Chao Li, Shi Chen</i></p>
	<p>2.Does renewable energy investment play a role in emission reduction? Evidence from investment scale and investment structure <i>Zikun Yang, Mingming Zhang</i></p>
	<p>3.Consumer reaction to green subsidy phase-out: Evidence from the household photovoltaic industry <i>Diyi Liu, Huibin Du</i></p>
	<p>4.Economic policy uncertainty and corporate investment: Evidence from China's renewable energy industry <i>Boqiang Lin, Minyang Li</i></p>
	<p>Session 30: General financial markets Chair: Bingyue Liu, Beihang University</p>
	<p>1.Time-frequency co-movements between sovereign CDS and exchange rates: The role of sentiments <i>Xiaolei Sun, Chang Liu</i></p>
	<p>2.Drought and stock prices an analysis based on an industry-specific perspective <i>Xi Wu, Yudong Wang</i></p>
	<p>3.Multiple attributes of cryptocurrencies -A case study of bitcoin. <i>Dingxuan Zhang, Shouyang Wang, Hongbo Duan</i></p>
	<p>4.Impacts of COVID-19 on financial markets: From the perspective of financial stress <i>Xiaoyang Yao, Jianfeng Li, Zezhong Shang, Wei Le, Jianping Li</i></p>

Saturday, April 24 2021

15:30-17:10	Online Session I: Time series analysis Chair: Duc Khuong Nguyen, Vietnam National University & Bilkent University	Zoom meeting ID: 982 7927 9910 password: 940849
	1.Renewable penetration strategy: The effects on the portfolio volatility spillovers in the GCC oil exporting countries <i>Simona Bigerna, Maria Chiara D'Errico, Paolo Polinori</i>	
	2.News media and attention spillover across energy markets: A powerful predictor of oil prices <i>Oguzhan Cepni, Duc Khuong Nguyen, Ahmet Sensoy</i>	
	3.Systemic risk in the global energy sector: Structure, determinants and portfolio management implications <i>Syed Jawad Hussain Shahzad, Roman Ferrer, Elie Bouri</i>	
	4.Variance risk premiums in energy markets: Ex-ante and ex-post perspectives <i>Giacomo Morelli</i>	
	5.Extreme connectedness between investor attention and green bond markets <i>Linh Pham</i>	
	Online Session II: Energy and environment Chair: Claudio Morana, University of Milano-Bicocca	Zoom meeting ID: 928 9659 6256 password: 541419
	1.Storage competition in the market for renewable energy <i>Vesa-Heikki Soini</i>	
	2.Fossil fuel divestment and portfolio exposure to movements in fossil fuel prices <i>Imane El Ouadghiri, Stéphane Goutte, Gunnar Gutsche, Jonathan Peillex</i>	
	3.Climate change awareness: Empirical evidence for the European union <i>Donatella Baiardi, Claudio Morana</i>	
	4.The cost of U.S. LNG and the effects on gas flows and gas prices in Western Europe <i>Maik Günther, Volker Nissen</i>	
5.Optimal technology adoption for power generation <i>Jerome Detemple, Yerkin Kitapbayev</i>		

Sunday, April 25 2021

09:00-10:40	Session 31: Impacts of COVID-19 Chair: Qunwei Wang, Nanjing University of Aeronautics and Astronautics	Tencent meeting ID: 694 409 031
	1.Green recovery or pollution rebound? Air pollution in post-covid-19 era <i>Tong Feng, Huibin Du</i>	
	2.Financial policy, green transition and recovery after the covid-19 <i>Dongyang Pan, Chuanqi Chen, Michael Grubb, Yao Wang</i>	
	3.Risk spillover effects among oil, gold and stock markets in the presence of covid-19 pandemic <i>Jianhui Liao, Jinyu Chen</i>	
	4.Price jumps in China energy stock markets during COVID-19 epidemic—A wavelet coherence method <i>Qunwei Wang, Tong Yuan, Ning Wan, Xiaoyi Bi</i>	
	5.Assessment of import source risks of oil and natural gas in China under covid-19 based on FMCDM <i>Wenwen Zhou, Ruilin Feng, Mengyao Chen, Xiaobo Song</i>	

Sunday, April 25 2021

09:00-10:40	<p>Session 32: Energy and the macroeconomy Chair: Yi Hu, University of Chinese Academy of Sciences</p>
	1.Asymmetric pass through of oil price to Chinese economic growth: New evidence from industrial sectors <i>Donghui Liu, Yudong Wang</i>
	2.Renewable energy consumption and economic growth: evidence from a dynamic panel threshold model <i>Yi Hu, Qi Zhang</i>
	3.The Macro-Economic impact of controlling energy consumption in China <i>Fang Yang, Jie Dian</i>
	4.Desirable import strategy in coping with oil supply disruption and potential macroeconomic loss <i>Zijiao Niu, Yang Bai, Lanping Qian</i>
	5.Could China's long-term low-carbon transformation of energy achieve the double dividend effect for economy and environment? <i>Ling He, Bangpei Wang, Wanting Xu, Qi Cui, Hao Chen</i>
	6. Can the "Belt and Road" initiative increase the investment efficiency of Chinese enterprises? Empirical study based on a Quasi-natural experiment. <i>Ping Lin, Boqiang Lin, Mengting Lin</i>
	<p>Session 33: Cross-market risk spillovers Chair: Jiasha Fu, Southwestern University of Finance and Economics</p>
	1.Dynamic and frequency-domain risk spillovers among oil, gold, and foreign exchange markets: Evidence from implied volatility <i>Ding Qian, Jianbai Huang, Jinyu Chen</i>
	2.Risk spillover analysis across worldwide ESG stock market: new evidence from the frequency domain <i>Yang Gao, Yangyang Li</i>
	3.Tail risk connectedness in the oil-stock nexus: Evidence from a novel quantile spillover approach <i>Zhenhua Liu, Xunpeng Shi, Pengxiang Zhai, Shan Wu, Zhihua Ding, Yuqin Zhou</i>
	4.Volatility spillovers and dynamic correlations between the new energy industry and the stock market in China <i>Weixian Wei</i>
	5.Risk contagion in the global energy market: A multi-layer network analysis <i>Xuanqi Xiao, Xinyu Zhou</i>
	6.Time-varying connectedness between China's crude oil future and international oil markets: a return and volatility spillover analysis <i>Jiasha Fu, Hui Qiao</i>
	<p>Session 34: Emission trading scheme (ETS) Chair: Zhonghua Cheng, Nanjing University of Information Science and Technology</p>
	1.Evaluation study of innovation inducement impact from carbon emissions trading scheme based on the heterogeneity among pilot regions in China <i>Xu Wang, Chao Liu</i>
	2.Carbon emissions trading scheme and environmental directed technical change <i>Zhonghua Cheng</i>
	3.Analysis on the emission reduction effect and impact mechanism of carbon emission trading pilot in China <i>Zhaofu Yang, Yongna Yuan</i>
	4.Does carbon trading mechanism improve low-carbon technical efficiency? Evidence from China <i>Wugan Cai, Peiyun Ye</i>
	5.Shooting two hawks with one arrow: Could China's emission trading scheme promote green development efficiency and regional carbon equality? <i>Shengling Zhang, Yao Wang, Yu Hao</i>

09:00-10:40	Session 35: Low carbon cities Chair: Yu Liu, Institutes of Science and Development, Chinese Academy of Sciences	
	1.Do smart cities promote a green economy? Evidence from a quasi-experimental of 253 cities in China <i>Chuyan Meng, Kui Liu</i>	
	2.The impact of low-carbon city policy on enterprise value <i>Man Wang, Qiuping Yang</i>	
	3.Can low-carbon city construction governance effects on air pollution in China evidence from a quasi-natural experiment <i>Qiang Tu, Guanglin Sun</i>	
	4.Distribution effect and its driver of carbon-food nexus for Chinese cities <i>Jiandong Chen, Chong Xu</i>	
	5.Does low carbon travel intention really leads to actual low carbon travel? Evidences from urban residents in China <i>Boqiang Lin, Xia Wang</i>	
	Session 36: Determinants of green innovation Chair: Yan Xia, Institutes of Science and Development, Chinese Academy of Sciences	
	1.Board gender diversity, national culture and corporate green innovation <i>Yajie Chen</i>	
	2.Geopolitical risk and corporate innovation <i>Jian Zhang, Chin-Hsien Yu, Dayong Zhang, Chi-Chuan Lee, Jinsong Zhao</i>	
	3.Environmental constraint target effects on green innovation efficiency, China <i>Qinlin Gong, Mengfan Zhang, Bangzhu Zhu</i>	
	4.Seasonal affective disorder and credit rating <i>Yuhui Wu, Yanan Tian, Xiangxiang Lang</i>	
	5.Does disclosure of environmental information promote green technology innovation?— Evidence from listed companies in China <i>Jinxu Ding, Zhe Lu</i>	
	Session 37: ESG and information disclosure Chair: Pengxiang Zhai, Central South University	Tencent meeting ID: 933 465 559
	1.Reserve holding, ESG performance and value of oil and gas energy companies <i>Qiangyu Wang, Min Che</i>	
	2.Do CEO's social networks affect environmental performance? The moderating role of CEO reputation <i>Panni Li, Huibin Du, Zhongguo Lin</i>	
	3.Media coverage and firm performances —Research based on news about smog events in 2011 <i>Shunli Gan, Yi Liu, Ningning Chang</i>	
	4.Carbon risk, ESG performance and debt financing cost <i>Dayong Zhang, Yuan Xue</i>	
	5.Length of annual reports of listed companies, quality of environmental information disclosure and corporate equity financing costs <i>Rongjiang Cai</i>	
	6.The impact of environmental regulation on enterprise information disclosure: Heterogeneity and threshold effect test <i>Mingxing Yin, Zhengnan Lu</i>	

Sunday, April 25 2021

09:00-10:40	<p>Session 38: Behavioral analysis on EE Chair: Jiajia Li, Sichuan Agricultural University</p>
	<p>1.The effect of energy poverty on the health and wellbeing of women in China: The important role of intra-household bargaining power <i>Jiajia Li, Dayong Zhang, Qiang Ji, Syed Jawad Hussain Shahzad</i></p>
	<p>2.Investigation on the influencing factors of residents' willingness to pay for garbage recycling <i>Boqiang Lin, Rui Bai</i></p>
	<p>3.Traveling for clean air: How does origin air quality shapes tourism demand? <i>Kerui Du, LuoJia Wang</i></p>
	<p>4.Provincial willingness to pay for green power in China: A comparative analysis of voluntary and mandatory payments <i>Yun Sun, Yuan Wang</i></p>
	<p>5.Effects of temperature on equipment diffusion and electricity use: Evidence from household data in China <i>Jianglong Li, Mun Sing Ho</i></p>
	<p>Session 39: Green development in electricity market Chair: Bai-Chen Xie, Tianjin University</p>
	<p>1.Optimal coordination strategies of two-level green technology investments for coal-electricity supply chain under different dominate modes <i>Bowen Da, Chuanzhe Liu, Nana Liu</i></p>
	<p>2.Have the cleaner generation mix and transmission grid expansion mitigated regional carbon lock-in? A quantitative assessment on China's electricity sector <i>Xu Tan, Sheng Lin, Yanli Liu, Baichen Xie</i></p>
	<p>3.Investment evaluation of photovoltaic power generation project considering carbon price: Based on real option method <i>Yue Zhang, Fanyi Meng</i></p>
	<p>4.Is electricity consumption of Chinese counties decoupled from carbon emissions? A study based on TAPIO index <i>Fengqi Liu, Yuxin Kang, Kun Guo</i></p>
	<p>5.Does the Chinese resident's electricity market have potential capacity for the voluntary green electricity market? <i>Boqiang Lin, Qiao Qiao</i></p>
	<p>Session 40: Sectoral analysis Chair: Tong Fu, Jiangxi University of Finance and Economics</p>
	<p>1.Do economic institutions matter for the allocation of government-controlled factors?Evidence from China's electricity sector <i>Tong Fu</i></p>
	<p>2.Impact of structure on unified efficiency for Chinese manufacturing sector <i>Boqiang Lin, Chunxu Guan</i></p>
	<p>3.The influencing factors of rebound effect of China's mining industry under carbon neutral constraint <i>Boqiang Lin, Runqing Zhu</i></p>
<p>4.Influencing factors and critical path of embodied rare earth consumption between industry in China <i>Huimin Zhang, Tiantian Feng</i></p>	
<p>5.Environmental regulation and influence on energy-environmental performance: Evidence on the porter hypothesis from China's iron and steel industry <i>Boqiang Lin, Rongxin Wu</i></p>	
10:40-11:00	Tea break
11:00-12:00	<p>Closing Ceremony Best Paper awards Next conference announcement Closing Remarks</p>
12:00	Lunch

厦门宾馆(会议酒店)

Xiamen Hotel (Conference hotel)

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- 厦门高崎机场——厦门宾馆(Xiamen Gaoqi Airport——Xiamen Hotel)
乘坐出租车约20分钟(It's about 20 minutes by taxi)
- 厦门火车站——厦门宾馆(Xiamen Railway Station——Xiamen Hotel)
乘坐出租车约10分钟(It's about 10 minutes by taxi)
- 厦门北站——厦门宾馆(Xiamenbei Railway Station——Xiamen Hotel)
乘坐出租车约50分钟(It's about 50 minutes by taxi)

*注意:厦门有两个火车站/高铁站,即厦门站和厦门北站,如坐高铁或者火车请尽量到厦门站,距离酒店和厦大较近。
Note: There are two railway stations in Xiamen, namely Xiamen Railway Station and Xiamenbei Railway Station. If you want to take high-speed railway or train, please try to go to Xiamen Railway Station, which is close to the hotel and Xiamen University.

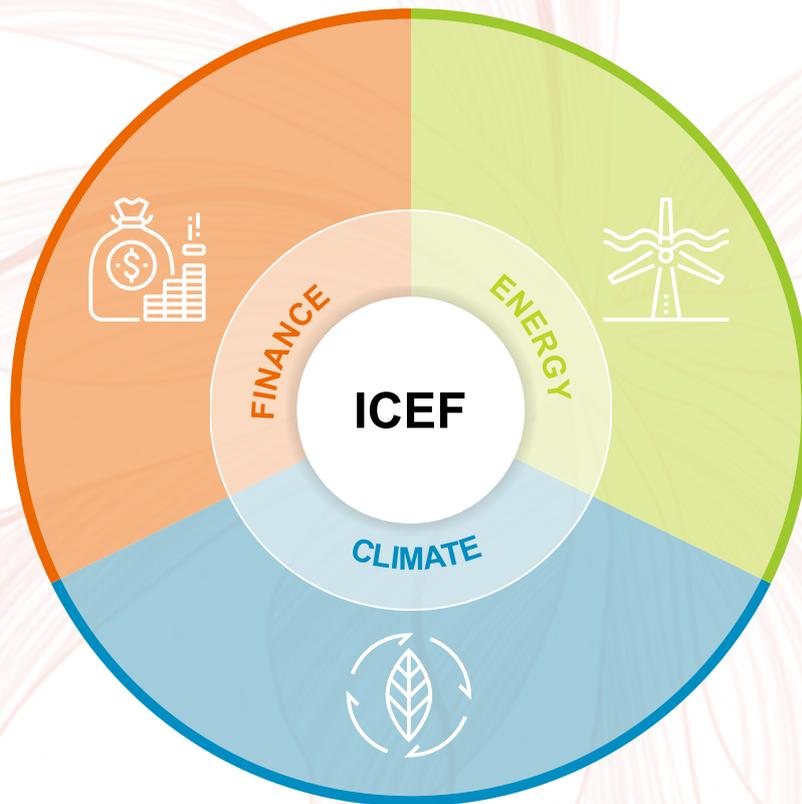
CONFERENCE CONTACTS

Name	Phone	Responsibility
周一成	188 7479 1547	会议总负责
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魏锴	150 64028 316	会务组织协调
方亚豪	177 71403 116	会议注册
白锐	133 9503 8619	会议注册

ABOUT ICEF

HISTORY AND OBJECTIVES

ICEF was initiated in 2017 as one of the major academic events for the China Energy Finance Network (www.cnefn.com). The inaugural conference was then hosted by the Chinese Academy of Sciences in Beijing (2018). We hope to setup an international academic platform that allows scholars, practitioners, and policymakers specialized in energy and climate finance to discuss major issues in this area and exchange ideas. Our objectives include not only to prompt frontier research in this interdisciplinary subject, but also support policy relevant discussions.



ACHIEVEMENTS IN NUMBERS

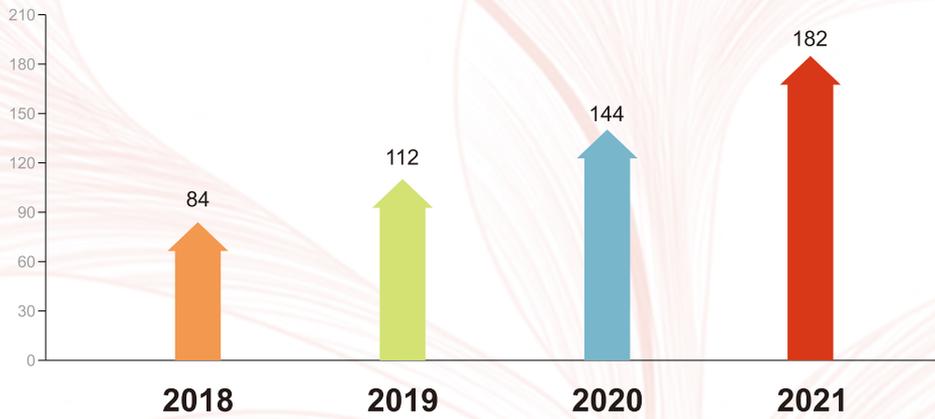
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© Chinese authors are from 27 provinces and municipalities.



◎ The 4th ICEF has 42 sessions (2 online sessions) and 182 papers.



Number of articles accepted for presentation



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