

附件：「2014 年國際能源經濟學會第4屆亞洲年會」
年會議程



THE 4th IAEE ASIAN CONFERENCE

Energy Economics: New Challenges & Solutions

September, 19-21, 2014

Beijing, China

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MANUAL

Hosts



*Institute of Policy and
Management, Chinese
Academy of Sciences*



*China University of
Geosciences (Beijing)*

Organizers



*Center for Energy &
Environmental Policy
Research, IPM, CAS*



*School of Humanities and
Economic Management,
CUGB*

Co-organizers



*Shanghai International
Energy Exchange*



*Institute of Energy,
Environment and Economy
Tsinghua University*

Program at Glance

Sept. 18th, Thursday

09:00-21:00	Registration	Lobby of GICC
09:00-12:00	IAEE Council Meeting (by invitation only)	R5 2 nd Floor, GICC
12:00-13:00	Council lunch	1 st Floor, GICC
08:30-15:30	Technical tour I	
17:00-19:00	Welcome Reception	2 nd Floor, GICC
18:30-20:00	Students happy hour	2 nd Floor, GICC

Sept. 19th, Friday

8:00-9:00	Transport to the Auditorium of CAS	
8:00-12:00	Registration	CAS, GICC
9:00-10:00	<p>Opening Ceremony</p> <p style="text-align: right;">Chair: Ying Fan, Chinese Academy of Sciences</p> <p>Welcome Address:</p> <p>Jinghai Li(李静海), Vice President of Chinese Academy of Sciences Minghong He(何鸣鸿), Vice President of National Science Foundation of China Yalin Lei(雷涯邻), Vice President of China University of Geosciences, Beijing Juehai Chu(褚袂海), CEO of Shanghai Energy International Exchange Wumi Iledare, President of International Association for Energy Economics</p> <p>Opening Keynote Speech:</p> <p>Guobao Zhang(张国宝), Former Minister of National Energy Administration</p>	Auditorium of CAS
10:00-10:20	Coffee break	
10:20-12:00	<p>Plenary session I:</p> <p>“Energy Economics: new Challenges & Solutions”</p> <p style="text-align: right;">Chair: Xiliang Zhang, Tsinghua University</p> <p>Wumi Iledare, University of Port Harcourt, Nigeria; IAEE President <i>The Development of Unconventional Hydrocarbon Resources in the United States: Global Implications</i></p> <p>Jiankun He, Tsinghua University, China <i>Innovating Energy Economics, Promoting Energy Revolution</i></p> <p>B.W. Ang, National University of Singapore <i>Making Energy Efficiency Visible</i></p> <p>Adonis J. Yatchew, University of Toronto, Canada <i>The Economics of Energy: Big Ideas for the Non-Economists</i></p> <p>Yi Wang, Institute of Policy and Management, CAS <i>Coping With Energy Challenge and Climate Change: Policy Oriented Research</i></p>	
12:00-14:00	Transport to GICC	
	Lunch break	1 st Floor GICC
14:00-20:00	Registration	RC 1 st Floor

Notes:

CAS: Chinese Academy of Sciences

GICC: Geosciences International Conference Center, China University of Geosciences (Beijing)

RC: Research Complex, China University of Geosciences (Beijing)

QY: QingYan building (Dining Hall), Beijing Language and Culture University

Program at Glance

14:00-17:00	Workshop on Petroleum Futures Market: International Experience and Implications to China						R5 2 nd Floor GICC	
	Chair: Ronald Ripple, University of Tulsa, US Jeff Huang, Intercontinental Exchange Inc							
14:00-15:40	Session 1 RC 201	Session 2 RC 202	Session 3 RC 203	Students best paper competition RC 204	Session 5 RC 301	Session 6 RC 302	Session 7 RC 303	Session 8 RC 304
15:40-16:00	Coffee break							
16:00-17:40	Session 9 RC 201	Session 10 RC 202	Session 11 RC 203	Session 12 RC 204	Session 13 RC 301	Session 14 RC 302	Session 15 RC 303	Session 16 RC 304
18:30-21:00	Gala Dinner (including IAEE awards session)						F5 QY	
Sept. 20th, Saturday								
7:30-8:30	Asian Affiliate Leadership Meeting						V8 1 st Floor GICC	
7:30-8:30	Student breakfast						1 st Floor GICC	
8:30-10:10	Session 17 RC 201	Session 18 RC 202	Session 19 RC 203	Session 20 RC 204	Session 21 RC 301	Session 22 RC 302	Session 23 RC 303	Session 24 RC 304
10:10-10:30	Coffee break							
10:30-12:00	Dual plenary session II: “Traditional and Unconventional Energy ”						RC201	
	Chair: Yalin Lei, China University of Geosciences (Beijing) Dadi Zhou, Energy Research Institute, China <i>Energy Challenges and Feasible Solutions in China</i> John Felmy, American Petroleum Institute, USA <i>Conventional and Unconventional Oil and Gas - Where Are We and Where Are We Going</i> Tomas Kåberger, Chalmers University of Technology, Sweden <i>Industrial Learning and Financial Lessons</i>							
10:30-12:00	Dual Plenary Session III: “Policies coping with climate change ”						RC101	
	Chair: Kejun Jiang, Energy Research Institute, NDRC David Stern, the Australian National University <i>What Drives Estimates of Mitigation Costs?</i> Hans-Joachim Ziesing, Free University of Berlin <i>Policy Mix and Energy Transition: Implications of German Experience</i> Ji Zou, NDRC <i>Innovation of Development Paths: a Conceptual Framework to Design the 2015 Agreement</i>							

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Program at Glance

12:00-14:00	Lunch break							1 st Floor GICC	
14:00-15:40	Session 25 RC 201	Session 26 RC 202	Session 27 RC 203	Session 28 RC 204	Session 29 RC 301	Session 30 RC 302	Session 31 RC 303	Session 32 RC 304	
15:40-16:00	Coffee break								
16:00-17:40	Session 33 RC 201	Session 34 RC 202	Session 35 RC 203	Session 36 RC 204	Session 37 RC 301	Session 38 RC 302	Session 39 RC 303	Session 40 RC 304	
18:00-21:00	Dinner							1 st Floor GICC.	

Sept. 21st, Sunday

7:30-8:30	Antalya Conference Planning Meeting							R5 2 nd Floor GICC	
8:30-10:10	Session 41 RC 201	Session 42 RC 202	Session 43 RC 203	Session 44 RC 204	Session 45 RC 301	Session 46 RC 302	Session 47 RC 303	Session 48 RC 304	
10:10-10:30	Coffee break								
10:30-12:00	Concluding plenary session IV: “Asian Implications of Energy Renaissance” Chair: Youngsub Chun, Seoul National University							RC 101	
	Masakazu Toyoda, Institute of energy economics, Japan <i>New Era of Energy Cooperation in Asia</i> Philip Andrews-Speed, Energy Study Institute, Singapore <i>Prospects for Energy Cooperation in Asia under Changing Market</i> Zhongxiang Zhang, Fudan University, China <i>Energy Security in China under the Energy Renaissance and Energy Revolution: An Old Wine in New Bottles?</i>								
12:00-12:15	Closing remark							RC 101	
12:15-13:30	Lunch break							1 st Floor GICC	
13:30-18:00	Technical tour II								

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Concurrent Session

SESSION 1 ENERGY AND ECONOMIC GROWTH (I)

Chair: Larry Chow(Hong Kong Energy Studies Centre, Hong Kong Baptist University)

1. The Effects of Oil Price Shocks in a New-Keynesian Framework with Capital Accumulation

Florent Mc Isaac(University of Panthéon Sorbonne, France)

Gaël Giraud CNRS(University of Panthéon Sorbonne, France)

2. Economic Impacts of Energy Shocks and the Effects of Restricted Energy Supply on the Vietnam Economy

Nguyen Van Chung(Chungyuan University, Taiwan)

3. Analysis on the Impact of Petrol Subsidy on Economic Performance of Nigeria

Hamza Aliyu Daneji(Department of Petroleum Resources, Nigeria)

Hyunjung Lee, (Asia Development Bank)

4. Technology, R&D, Endogenous Substitution, and Climate Change

YIN Di(Nanyang Technological University, Singapore)

CHANG Youngho (Nanyang Technological University, Singapore)

5. The "Second Dividend" and the Demographic Structure

Frédéric Gonand(University of Paris-dauphine, France)

Pierre-andré Jouvét(University of Paris-Nanterre, France)

SESSION 2 ENERGY FINANCE

Chair: Daniel Packey(Curtin University)

1. The Shareholding Similarity of the Worldwide Listed Energy Companies` Shareholders: Based on Two-Mode Network and Derived Holding-Based Network

Li Huajiao(China University of Geosciences(Beijing),China)

Fang Wei(China University of Geosciences(Beijing),China)

An Haizhong(China University of Geosciences(Beijing),China)

Yan Lili(Peking University,China)

2. Finding Combined Trading Rules on the Crude Oil Futures Market Using Genetic Algorithms

Lijun Wang(China University of Geosciences(Beijing),China)

Haizhong An(China University of Geosciences(Beijing),China)

Xiaoqia Liu(China University of Geosciences(Beijing),China)

3. Dependency Structure and Portfolio Risk Analysis Between European Union Carbon and Energy Assets

Wenjuan Feng(Peking University, China)

Linjun Li(Peking University, China)

Yongsheng Zhu(Peking University, China)

Guoyu Qiu(Peking University, China)

4. Investing in Energy: Can the Crude Oil Market Stabilize Equity Markets?

Harald Schmidbauer(Istanbul Bilgi University, Turkey)

Angi Rösch, (FOM University of Applied Sciences, Germany)

SESSION 3 (INVITED SESSION) CARBON PRICING IN CHINA: NEW DEVELOPMENTS AND INSIGHTS

Chair: Frank Jotzo, Australian National University

1. Carbon Price, Induced Technical Change, and China`s Industrial Carbon Intensity

Banban Wang(Wuhan University, China)

Shaozhou Qi(Wuhan University, China)

2. Designing an Emissions Trading Scheme for China

Andreas Löschel(University of Muenster, Germany)

Sebastian Voigt(ZEW, Germany)

Michael Hübler(University Hannover, Germany)

Concurrent Session

3. Emissions Trading Regulations in China's Pilot Programs: Lessons from Beijing and Hubei

Hao Zhang(Melbourne Law School, Australia)

Frank Jotzo (Australian National University)

4. Assessment of Guangdong Carbon Emission Trading With AIM/CGE Model

Wang Peng(Guangzhou Institute of Energy Conversion, China)

Dai Han-cheng(National Institute for Environmental Studies, Japan)

Zhao Dai-qing(Guangzhou Institute of Energy Conversion, China)

Toshihiko Masui(National Institute for Environmental Studies, Japan)

Ren Song-yan(Guangzhou Institute of Energy Conversion, China)

5. Modeling Carbon Emission Prices and Numerical Valuation of Carbon Derivative with Stochastic Convenience Yield

Shuhua ZHANG(Tianjin University of Finance and Economics, China)

Xinyu WANG(Tianjin University of Finance and Economics, China)

SESSION 4 STUDENT BEST PAPER COMPETATION

Chair: Peter Hartley, Rice University

1. Long Run Dynamics of Food, Crude Oil Prices and Macroeconomic Variables: A Cointegration VAR Analysis

Jose Fernandez(University of Bath, UK)

2. Incentive Regulation, Efficiency Improvements and Productivity Growth in Electricity Distribution Utility: a Norwegian Case

Livingstone Senyonga(Norwegian University of Life Sciences, Norway)

3. The Performance and Explanation of China's Energy Transition: Integrating Energy Ladder, the EKC and Carbon lock-in models by Panel Approach

Wang Dong(University of Western Australia, Australia)

4. The Impact of Transaction Cost on the Firms Covered in ETS-A Case Study from China

Xu Wang(Tianjin University, China)

SESSION 5 (INVITED SESSION) FOSSIL-FUEL FIRED ELECTRICITY GENERATION IN CHINA

Chair: Chunbo Ma, University of Western Australia (UWA)

1. Penetration of Clean Coal Technology and Its Impact on China's Power Industry

Chunning Na(North China Electric Power University, China)

Jiahai Yuan(North China Electric Power University, China)

Yan Xu(North China Electric Power University, China)

2. Environmental Efficiency, Technology Gap and Shadow Price of Coal-Fuelled Power Plants in China: a Parametric Meta-Frontier Analysis

Limin Du(Zhejiang University, China)

Aoife Hanley(Kiel Institute for the World Economy, Germany)

3. Identifying Current and Future Water Stress from Power Plants in China

Xinzhu Zheng(Tsinghua University, China)

Can Wang(Tsinghua University, China)

4. Modeling and Policy Analysis of Tianjin's Power Generation System under Carbon Emissions Constraints

Guozhu Mao(Tianjin University, China)

Xi Liu(Tianjin University, China)

Huabin Du(Tianjin University, China)

Na Li(Tianjin University, China)

Hongyang Zou(Tianjin University, China)

Concurrent Session

SESSION 6 ENERGY FORECAST

Chair: Einar Hope(Norwegian school of economics)

- 1. Projection of Road Transport Energy Demand in APEC Economies Using a System Dynamics Vehicle Fleet Model: a Thailand Case Study**
Atit Tippichai(Asia Pacific Energy Research Centre, Japan)
- 2. District Heating Roadmap for China towards 2030**
Weiming Xiong (Tsinghua University, China)
Yu Wang(Tsinghua University, China)
Brian Vad Mathiesen(Aalborg University, Denmark)
Henrik Lund(Aalborg University, Denmark)
Xiliang Zhang(Tsinghua University, China)
- 3. Future Electricity Demand of Industrial Sector in Japan**
Junichiro Oda(Research Institute of Innovative Technology For the Earth (RITE),Japan)
Takashi Homma(Research Institute of Innovative Technology For the Earth (RITE),Japan)
Keigo Akimoto(Research Institute of Innovative Technology For the Earth (RITE),Japan)
- 4. The study of global and regional carbon emission and energy consumption: An application of MRICES-E model**
Zheng Wang(Insitute of Policy and Management, Chinese Academy of Sciences, China)
Changxin Liu(Insitute of Policy and Management, Chinese Academy of Sciences, China)
Yongbin Zhu(Insitute of Policy and Management, Chinese Academy of Sciences, China)

SESSION 7 (INVITED SESSION) ENERGY AND ENVIRONMENTAL ISSUES IN THE ASEAN REGION (I)

Chair: SK Chou, Energy Studies Institute, National University of Singapore

- 1. Energy and Emissions Embodied in ASEAN Countries` Value Added**
Bin Su(Energy Studies Institute, Singapore)
BW. Ang(National University of Singapore, Singapore)
- 2. Impacts of Climate Policy on the Singapore Economy: a CGE Analysis**
Yingzhu Li(Energy Studies Institute, National University of Singapore, Singapore)
Su Bin(Energy Studies Institute, National University of Singapore, Singapore)
- 3. The Prospect of Small and Medium Reactors in Southeast Asia**
Victor Nian(Energy Studies Institute, Singapore)
- 4. Stochastic Optimization of LNG Supply Contracts for an LNG Aggregator**
Hari M P(National University of Singapore, Singapore)
Kamalakannan Soundararajan(National University of Singapore, Singapore)
Abhishek Rohatgi(National University of Singapore, Singapore)
Nahim Bin Zahur(National University of Singapore, Singapore)

SESSION 8 MODELING CHINA`S ENERGY CONSUMPTION

Chair: Shenghua Cai(CEEP, IPM, Chinese Academy of Sciences)

- 1. Mapping the Energy Flow from Supply to End Use in Three Geographic Regions of China**
Peggy Mischke(Technical University of Denmark, Denmark)
Weiming XIONG(Tsinghua University, China)
- 2. Dynamic Correlation Amongst Electricity Energy Forms: A Multiscale Analysis Approach**
Jingjing Li(Beijing University of Chemical Technology, China)
Lean Yu(Beijing University of Chemical Technology, China)
Ling Tang(Beijing University of Chemical Technology, China)

Concurrent Session

3. Study of the Bullwhip Effect in Chinese Coal Supply Chain under Fuzzy Environment

Xiao-hong Yun(Xian University of Science and Technology, China)

Jin-suo Zhang(Xian University of Science and Technology, China)

4. Survey of Narratives on Spatial Studies and Macro Regionalism Found in Historical Studies of Chinese Coal Industrial Development

Tai Wei Lim(Chinese University of Hong Kong,Hongkong SAR, China)

5. Assessing "Green Energy Economy" Policies for Transforming the Building Stock in Shanghai

Luis Mundaca(Lund University, Sweden)

Lin Na(Innovation Center Denmark, China)

Nora Smedby(Lund University, Sweden)

SESSION 9 ENERGY AND ECONOMIC GROWTH (II)

Chair: Yoshiki Ogawa(Toyo University)

1. The Measurement, Influence Factors and Selections of Energy Saving of Household Total Energy Consumption in the Process of Urbanization in China

Sun Han(School of Economics and Management, China University of Geosciences, China)

Wang Hongjian(School of Economics and Management, China University of Geosciences, China)

Cheng Jinhua(School of Economics and Management, China University of Geosciences, China)

2. Quo Vadis? Energy Consumption and Technological Innovation in China's Economic Growth

WEI JIN(Zhejiang University, China)

Zhongxiang Zhang(Fudan University, China)

3. The Economic Impacts of Promoting Green Energy Industry in Taiwan

Yunchang Jeffrey Bor(Chinese Culture University, Taiwan)

Weiwen Lai(Triple-e Institute, Taiwan)

4. A Decomposition Analysis on China's Carbon Emission Based on Energy Consumption: Avoiding Over-Estimation and the Real Trend

Chaoyang Tian(Chinese Academy For Environmental Planning, China)

Dong Wang(University of Western Australia, Australia)

Weilin Shang(University of Western Australia, Australia)

5. Financial Development, Economic Growth and Provincial CO2 Emission In China

Ling Xiong(Wuhan University, China)

Shaozhou Qi(Wuhan University, China)

SESSION 10 ENERGY MARKET ANALYSIS (I)

Chair: Liang Han(Nankai University)

1. Green a Electricity Grid in a Green Mechanism: Optimal Price Mechanism for Utilizing Renewable Energy

Yang Yu(Stanford University, USA)

2. The Incremental Value-at-Risk-Based Pricing: Application to a Cost-Effective Hedge of an Electricity Price-Volume Quanto Risk

Jialin Zhao(Illinois Institute of Technology, United States)

Sang Baum Kang(Illinois Institute of Technology, United States)

Michael K Ong(Illinois Institute of Technology, United States)

3. Characteristics of Transmission Patterns of the Fluctuant Modes In International Crude Oil Price

Xiangyun Gao(China University of Geosciences (beijing),China)

Haizhong An(China University of Geosciences (beijing),China)

Wei Fang(China University of Geosciences (beijing),China)

4. Profitability of Countries in International Crude Oil Trade: A Network Analysis

Weiqiong Zhong(China University of Geosciences(Beijing),China)

Haizhong An(China University of Geosciences(Beijing),China)

Xiangyun Gao(China University of Geosciences(Beijing),China)

5. Performance of Generated Moving Average Strategies In Prices of Different Frequencies

Xiaojia Liu(China University of Geosciences(Beijing),China)

Haizhong An(China University of Geosciences(Beijing),China)

Lijun Wang(China University of Geosciences(Beijing),China)

SESSION 11 (INVITED SESSION) MITIGATION POTENTIAL AND COSTS IN ETS INDUSTRY

Chair: Wolfgang Eichhammer, Fraunhofer ISI

1. How Did the EU ETS Affect CO2 Emissions? a Model-Based Ex-Post Assessment of the European Manufacturing Industry

Tobias Fleiter(Fraunhofer Institute For Systems and Innovation Research, Germany)

David Biere(Fraunhofer Institute For Systems and Innovation Research, Germany)

Vicki Duscha(Fraunhofer Institute For Systems and Innovation Research, Germany)

2. Ex-Post Analysis of Cost-Efficiency in the 2nd Period of the EU ETS

Vicki Duscha(Fraunhofer Institute for System and Innovations Research)

Katja Schumacher(Oeko Institute)

Johanna Cludius(Oeko Institute)

Nele Friedrichsen(Fraunhofer Institute For Systems and Innovation Research ISI,Germany)

3. Energy Efficiency Potentials in Chlor-Alkali Sector -- A Case Study of Shandong Province in China

Changsheng LI (Qingdao University of Science and Technology, China)

Lei ZHU(Center for Energy and Environmental Policy, Institute of Policy and Management, Chinese Academy of Sciences, China)

Tobias FLEITER(Fraunhofer Institute for Systems and Innovation Research, Karlsruhe, Germany)

4. Trading-Transaction Costs in Emissions Trading Schemes: Estimation and Explanations

Johanna Cludius(University of New South Wales, Australia)

Regina Betz(CEEM and Zurich University of Applied Sciences, Switzerland)

Martin Jones(University of New South Wales, Australia)

5. Winners and Losers of the EU Emissions Trading Scheme

Johanna Cludius(The University of New South Wales, Australia)

SESSION 12 (INVITED SESSION) ENERGY CHALLENGE IN JAPAN AND CHINA

Chair: Yukari Yamashita, IEEJ, Japan

1. Power Investment Planning under Different Policy Scenarios through 2050: A Case study of China

Sichao Kan(The Institute of Energy Economics, Japan)

Kaoru Yamaguchi(The Institute of Energy Economics, Japan)

2. Impacts of Increasing in Electricity Rates and Fuel Prices on Japanese Economy and Industries

Takayuki Mase(Central Research Institute of Electric Power Industry, Japan)

Motonari Hayashida(Central Research Institute of Electric Power Industry, Japan)

3. A Computable General Equilibrium Analysis of Nuclear Phase-out and Feed-in Tariff in Japan

Masato Yamazaki(Nagoya University, Japan)

Shiro Takeda(Kyoto Sangyo University, Japan)

Toshi H. Arimura(Waseda University, Japan)

4. Study on China's Comprehensive Energy Strategies towards Environment-Friendly and Low Carbon Society

Li Zhidong(Nagaoka University of Technology, Japan)

Yukari YAMASHITA(The Institute of Energy Economics, Japan)

Concurrent Session

5. Quantitative Analysis of the Economic and Environmental Benefits of Power Grid Interconnection in Northeast Asia

Takashi Otsuki(Asia Pacific Energy Research Centre, Japan)
Aishah Mohd Isa(Asia Pacific Energy Research Centre, Japan)
Dmitry Sokolov(Asia Pacific Energy Research Centre, Japan)
Brantley Liddle(Asia Pacific Energy Research Centre, Japan)

SESSION 13 ELECTRICITY MARKET

Chair: Toshi Arimura(Waseda University)

1. Research Networks in Electricity Markets: Analyzing the Role of Municipal Utilities

Malcolm Yadack(University of Hohenheim, Germany)
Markus Graebig(Technical University of Berlin, Germany)
Kristina Fährnich(University of Hohenheim, Germany)
Andreas Pyka(University of Hohenheim, Germany)

2. Impact of Electricity Market Reforms on Investments in the Power Sector

Muyi Yang(University of Technology, Sydney, Australia)
Deepak Sharma(University of Technology, Sydney, Australia)

3. Design the Mechanism of Electricity Auction Based on Probability Bidding Mechanism in Bipartite Networks

Mei Sun(Jiangsu University, China)
Dun Han(Jiangsu University, China)

4. Efficiency Analysis on China`s Grid Industry from the Perspective of Operation and Service Quality

Bai-chen Xie(Tianjin University, China)
Michael G.Pollitt(University of Cambridge, United Kingdom)
Shuang Zhang(Tianjin University, China)

5. Primary Energy Saving Determination and Energy Efficiency Improvement Potential for Cogeneration Power Plants in Thailand

Athikom BANGVIWAT(King Mongkut's University of Technology Thonburi, Thailand)

SESSION 14 ENERGY MODELING SKILLS (I)

Chair: Gürkan Kumbaroglu(Bogazici University)

1. Energy, Economy and Environment: Bottom-Up, Large Scale Modeling and Analysis of "the Turkish Energy System" with Times

Mine ISIK(Bogazici University, Turkey)
Gürkan KUMBAROGLU(Bogazici University, Turkey)
Ilhan OR(Bogazici University, Turkey)

2. Application of the Single Model Selection Algorithm Based on Tolerance Test in Combined Forecasting Model of China's Energy Demand

Feng Xue(Xi'an University of Science and Technology ,China)
Zhang Jinsuo(Xi'an University of Science and Technology, China)

3. Optimization Modeling of the Effects of Producer Subsidy Removal on Upstream Oil and Gas Extraction

Xu Zhao(China University of Petroleum(beijing),China)
Carol A. Dahl(Colorado School of Mines,United States)
Dongkun Luo(China University of Petroleum(beijing),China)

4. The Optimal Principal-Agent Model for the CO2 Allowance Allocation under Asymmetric Information

Huubin Du(College of Management & Economics, Tianjin University, China)
Bingli Li(Tianjin University, China)

Concurrent Session

5. Combining Global Malmquist-Luenberger Index and Generalized Method of Moments to Investigate Industrial Total Factor CO₂ Emission Performance: A Case of Shanghai

Meiting Fan(Shanghai University of Finance and Economics, China)

Shuai Shao(Shanghai University of Finance and Economics, China)

Lili Yang(Shanghai Finance University)

SESSION 15 (INVITED SESSION) ENERGY AND ENVIRONMENTAL ISSUES IN THE ASEAN REGION (II)

Chair: Anthony D Owen, Energy Studies Institute, National University of Singapore

1. Feasibility of ETS for ASEAN: View from Power Sector

Anton Finenko(National University of Singapore, Singapore)

2. Industrial Energy Efficiency Improvements across Us States: Lessons for ASEAN Member States

Kamal Soundararajan(Energy Studies Institute, Singapore)

Melissa Low Yu Xing (Energy Studies Institute, Singapore)

3. Cost-effectiveness analysis of electric vehicles in Singapore

Anthony D Owen(National University of Singapore, Singapore)

Kah-Hung Yuen(National University of Singapore, Singapore)

Hari M.P.(National University of Singapore, Singapore)

Nahim Bin Zahur(National University of Singapore, Singapore)

4. Development of an Energy Security Index for Singapore

W.L. Desmond Choong(National University of Singapore, Singapore)

B. W. Ang(National University of Singapore, Singapore)

T.S. Ng(National University of Singapore, Singapore)

SESSION 16 MODELING CHINA'S ENERGY POLICY

Chair: Nicholas Howarth(King Abdullah Petroleum Studies and Research Center)

1. Emission Reduction Policy and Emission Reduction Effect of China's Industry: Empirical Research Based on Fuzzy Clustering Analysis

Dapeng LIANG(Harbin Institute of Technology, China)

Tiansen LIU(Harbin Institute of Technology, China)

Zaijing Gong(Harbin Institute of Technology, China)

2. Analysis on China's Sectoral and Regional Energy Rebound Effect

LE Wuqiong(Fudan University, China)

3. Design and Impact Simulation of a Reform Program of China's Fiscal and Tax Policies for Fuel ethanol

Yongmin Wu(China University of Geosciences(Beijing), China)

Yalin Lei(China University of Geosciences(Beijing), China)

4. Life Cycle-based Energy Consumption and Economic Cost of Typical Wastewater Treatment Systems in Shenzhen, China

Linjun Li(Peking University, China)

Wenjiang Li(Peking University, China)

Guoyu Qiu(Peking University, China)

5. Overcoming the Bounded Rationality of China's Energy-Intensive Firms through Goals

Dan Wu(The Chinese University of Hong Kong, China)

Yuan Xu(The Chinese University of Hong Kong, China)

Yee Leung(The Chinese University of Hong Kong, China)

SESSION 17 (INVITED SESSION) ENERGY AND ECONOMIC GROWTH (III)

Chair: Raymond Li, Hong Kong Polytechnic University

1. The Economic Impact on GDP Growth in Selected Areas by Building a Global Aviation Emission Trading Scheme

XUEBING WANG(UCL ENERGY INSTITUTE, China)

Concurrent Session

2. The Implications for the Energy Policies on the Stable Economic Development in the Sub-Saharan Countries

Ryohei Ikarii(The Institute of Energy Economics, Japan)

3. Regional Disparity and Relationship among Economic Growth, Energy Investment and Transportation Infrastructure: Pre and Post China's "Western Development Strategy"

Alice Shiu(Hong Kong Polytechnic University, Hongkong SAR, China)

Raymond Li(Hong Kong Polytechnic University, Hongkong SAR, China)

4. Trade-off Relationship between Energy Intensity and Income Level: Empirical Evidence and Policy Implications for ASEAN and East Asia Countries

Phoumin HAN(Economic Research Institute For ASEAN and East Asia, Indonesia)

Fukunari KIMURAE(Economic Research Institute For ASEAN and East Asia, Indonesia)

5. Exploring China's energy scenario towards 2030 with a multi-region CGE model

Hancheng Dai(National Institute For Environmental Studies ,Japan)

Toshihiko Masui(National Institute For Environmental Studies, Japan)

SESSION 18 ENERGY MARKET ANALYSIS (II)

Chair: David Broadstock(South West University of Finance and Economics)

1. Volatility Spillovers between Crude Oil Prices and US Dollar to Euro Exchange Rates

Angi Rösch(FOM University of Applied Sciences, Germany)

Harald Schmidbauer(Istanbul Bilgi University, Turkey)

2. Crude Oil Price Forecast via an EEMD-Based FA-LSSVR Ensemble Learning Paradigm

Lean Yu(Beijing University of Chemical Technology, China)

Xinxie Li(Beijing University of Chemical Technology, China)

Ling Tang(Beijing University of Chemical Technology, China)

3. Analysis of OPEC Crude Oil Prices Volatility Interdependency: Grey Correlation and Bayesian Network Perspective

Xiao-liang Jia(China University of Geosciences(beijing),China)

Hai-zhong An(China University of Geosciences(beijing),China)

Wei Fang(China University of Geosciences(beijing),China)

4. Spillover Relationship between Oil Prices and China Inflation Revisited: Using Wavelet Coherence Analysis

Xuan Huang(China University of Geosciences(beijing),China)

Haizhong An(China University of Geosciences(beijing),China)

Shupei Huang(China University of Geosciences(beijing),China)

SESSION 19 ENERGY AND ENVIRONMENT(I)

Chair: Craig Froome(The University of Queensland)

1. Does Stringent Environmental Regulation Stimulate China's Eco-Innovations? Actual Effects and Path Differences

Fuxia Yang(Huazhong Agricultural University, China)

Mian Yang(Wuhan University, China)

2. Study on the Production Unit's Carbon Emission Accounting Model In the Manufacturing System

Xianchun Tan(Institute of Policy and Management, Chinese Academy of Sciences, China)

Huihui Di(University of Chinese Academy of Sciences, China)

Baoguang Xu(Institute of Policy and Management, Chinese Academy of Sciences, China)

3. Study on the Driving Factors of CO2 Emissions in China's Coal Consumption Using the STIRPAT Model

Li Li(China University of Geosciences(beijing),China)

Yalin Lei(China University of Geosciences(beijing),China)

Dongyang Pan(Central University of Finance and Economics, China)

Concurrent Session

4. Analyzing the Impact of New Urbanization on Ecological Environment Quality

Xie Rui(Hunan University, China)

Chen Yan(Hunan University, China)

SESSION 20 EMISSION ALLOWANCE ALLOCATION METHODOLOGY

Chair: libo Wu(Fudan University)

1. Study of Carbon Emission Allowance Allocation among Provinces -- Empirical Comparison Base on Stochastic Frontier Analysis

Haoqi Qian(Fudan University, China)

Libo Wu(Fudan University, China)

2. Economic Effects of Different Quota Allocations in Carbon Trading of China

Jie WU(CEEP, Institute of Policy and Management, Chinese Academy of Sciences, China)

Ying FAN(CEEP, Institute of Policy and Management, Chinese Academy of Sciences, China)

Yan XIA(CEEP, Institute of Policy and Management, Chinese Academy of Sciences, China)

3. The Accounting Method and Its Application of Provincial Electricity CO2 Emissions Responsibility

Kun Fu(Wuhan University, China)

Shaozhou Qi(Wuhan University, China)

4. How will Emission Trading Scheme (ETS) Affect China's Long-Term Evolution of Energy Technologies?

Hongbo Duan(University of Chinese Academy of Sciences, China)

Lei Zhu(CEEP, Institute of Policy and Management, Chinese Academy of Sciences, China)

Ying Fan(CEEP, Institute of Policy and Management, Chinese Academy of Sciences, China)

Gürkan Kubaroglu(Bogazici University, Turkey)

5. Research of the Demarcation of Provincial Initial Emission Quotas and the Mode of Emissions Trading

Huiqin Jiang(Zhejiang University of Technology, China)

Xukuangye Zhang(Zhejiang University of Technology, China)

Yang Miao(Zhejiang University of Technology, China)

Fangsiyu Zhu(Zhejiang University of Technology, China)

Fei Fan(Zhejiang University of Technology, China)

Jianqiang Bao(Zhejiang University of Technology, China)

SESSION 21 ENERGY MODELING SKILLS (II)

Chair: Lixin Tian(Nanjing Normal University)

1. Research on Evolution Process of Market Efficiency of Carbon Future Market

Yekui Yu(Peking University, China)

Linjun Li(Peking University, China)

Wenjiang Li(Peking University, China)

Zhendong Zou(Peking University, China)

Guoyu Qiu(Peking University, China)

2. Assessment of Chinese "Green Credit" Policy Effect Based on a Financial CGE Model

Jingyu Liu(Institute of Policy and Management, Chinese Academy of Sciences, China)

Yan Xia(Institute of Policy and Management, Chinese Academy of Sciences, China)

Jie Wu(Institute of Policy and Management, Chinese Academy of Sciences, China)

Shih-Mo Lin(Chung Yuan Christian University, Taiwan)

Ying Fan(Institute of Policy and Management, Chinese Academy of Sciences, China)

3. How Much Do Non-fossil Fuels in Electricity Generation Displace Fossil Fuels and Reduce Carbon Emissions?

Brantley Liddle(Asia Pacific Energy Research Centre)

Perry Sadorsky(York University)

Concurrent Session

4. Analysis on Global Energy Substitution: Based on Panel Data By Using Linear and Non-linear Methods

Liang Gao(Fudan University, China)

WU Libo(Fudan University, China)

QIAN Haoqi(Fudan University, China)

5. Complexity Characteristics Exploration of Clean Energy Consumption In China and USA

Huiling Lv(Beijing University of Chemical Technology, China)

Fengmei Yang(Beijing University of Chemical Technology, China)

Ling Tang(Beijing University of Chemical Technology, China)

SESSION 22 ENERGY EFFICIENCY (I)

Chair: Mei Sun(Jiangsu University)

1. Efficiency in Domestic Gas Production & Utilization in Nigeria and its Sub-Saharan Regions

Garba Ali Ali (Seoul National University, South Korea)

Eunnyeong Heo (Seoul National University, South Korea)

2. Potential of Energy Savings and CO₂ Abatement in China's Iron and Steel Industry in the Context of the Carbon Market

Yuan Li(Institute of Policy and Management, Chinese Academy of Sciences, China)

Lei Zhu(Institute of Policy and Management, Chinese Academy of Sciences, China)

3. Energy Efficiency Standards and Labeling Programs in Vietnam: Implications for Further Development

Seonghee Kim(Institute of Energy Economics, Japan, South Korea)

Shinichi Kishida(Jyukankyo Research Institute, Japan)

Nguyen Hoang Anh(Institute of Energy, Vietnam)

4. Energy Efficiency and an Analysis of its Determinants: a Study of the Swedish Manufacturing Industry

Shanshan Zhang(Umeå University, Sweden)

Wenchao Zhou(Umeå University, Sweden)

5. Information and Willingness to Pay for Energy Efficient Products: A Stated Preference Approach for China Energy Label

Hui Zhou(Nanjing University of Information Science and Technology, China)

SESSION 23 ENERGY SECURITY (I)

Chair: Qiang Ji(CEEP, IPM, Chinese Academy of Sciences)

1. Energy Structure and Energy Security under Climate Mitigation Scenarios in China

Ken'ichi Matsumoto(The University of Shiga Prefecture, Japan)

2. Assessing Long-term Security of Electricity Supply and the Role of Renewable Energy: a Probabilistic Generation Portfolio Analysis Approach

Peerapat Vithayasrichareon(University of New South Wales, Australia)

Jenny Riesz(University of New South Wales, Australia)

Iain Macgill(University of New South Wales, Australia)

3. Study on the China's Oil Import Source Diversification

Jian Xu(Xi'an University Science and Technology, China)

Jin-Suo Zhang(Xi'an University Science and Technology, China)

4. Stability evolution of crude oil import partners and quantum in China

Xiaoqing Hao(China University of Geosciences (beijing),China)

Haizhong An(China University of Geosciences (beijing),China)

5. Assessment of Internatioanl Oil and Gas Fiscal Regimes and Its Geopolitical Analysis

PengYun(China National Petroleum Corporation(cnpc),China)

ChangYuwen(China National Petroleum Corporation(cnpc),China)

Zhao Zhe(China National Petroleum Corporation(cnpc),China)

Li Chencheng(China National Petroleum Corporation(cnpc),China)

Concurrent Session

SESSION 24 MODELING CHINA'S ENVIRONMENT POLICY

Chair: Dayong Zhang(South West University of Finance and Economics)

1. The Analysis of Carbon Dioxide Emission and Industrial Structure in China

Liang Dapeng(Harbin Institute of Technology, China)

Gong Zaijing(Harbin Institute of Technology, China)

2. The Marginal Abatement Cost of Greenhouse Gas Emissions in China

Chunbo Ma(University of Western Australia, Australia)

Atakelty Hailu(University of Western Australia, Australia)

3. Involving China into The International Sectoral Reduction under the Sectoral Benchmark: an Analysis Based On GTAP-E Model

Yaqian Mu(Tsinghua University, China)

Wenjia Cai(Tsinghua University, China)

Can Wang(Tsinghua University, China)

Jining Chen(Tsinghua University, China)

4. Calculation Method of CO2 Emissions from Iron and Steel Enterprises in China

Yuyan Weng(Tsinghua University, China)

Sheng Zhou(Tsinghua University, China)

SESSION 25 UNCONVENTIONAL ENERGY DEVELOPMENT IN CHINA

Chair: Lianyong Feng(China Petroleum University, Beijing)

1. Prospects for Unconventional Gas Industry Development in China

Gerasimchuk Olga(National Institute of Eastern Languages and Civilizations, France)

2. Scenario Analysis of Chinese Unconventional Gas Developments and Its Impact on LNG Pricing Mechanism for China

Steven Farfan(China University of Petroleum, China)

Qi Zhang(China University of Petroleum, China)

Zhan Li(China University of Petroleum, China)

WANG Zhen(China University of Petroleum, China)

3. Challenges and Development Strategies of Shale Gas Developing in China

Deqiang Sun(Institute of Policy and Management, Chinese Academy of Sciences, China)

Junwei Zheng(Lanzhou Literature and Information Center of Chinese Academy of Sciences, China)

4. Impact of Shale Gas Production on China's Carbon Emission

Haizhong An(China University of Geosciences(Beijing), China)

Yinghui Ding(Hebei University, China)

SESSION 26 ENERGY MARKET ANALYSIS (III)

Chair: Jianfeng Guo(CEEP, IPM, Chinese Academy of Sciences)

1. The Impact of Speculators' Role on WTI's Rate of Return

Shu-chuan Lin(Chinese Petroleum Corporation, Taiwan)

Huei-chu Liao(TamKang University, Taiwan)

2. Shocks and Stocks: a Bottom-up Assessment of Oil and Gasoline Shocks upon the Returns of Chinese Firms

David C. Broadstock(Southwestern University of Finance and Economics, China)

Ying Fan(Chinese Academy of Sciences, China)

Qiang Ji(Chinese Academy of Sciences, China)

Dayong Zhang(Southwestern University of Finance and Economics, China)

Concurrent Session

3. The Impact of Oil Price Shocks on the Stock Returns in China: Evidence From Sector Level Using Wavelet based VAR

Shupei Huang(China University of Geosciences(Beijing),China)

Haizhong An(China University of Geosciences(Beijing),China)

Xiangyun Gao(China University of Geosciences(Beijing),China)

Xuan Huang(China University of Geosciences(Beijing),China)

4. The Effect of Carbon Pricing Mechanism on Australia's Electricity Markets

Liangxu Zhu(The University of Sydney, Australia)

Tiho Ancev(The University of Sydney, Australia)

5. Measuring Pass-Through Rates of Carbon Costs on Australian Electricity Prices

Fatemeh Nazifi (Macquarie University, Australia)

SESSION 27 CLIMATE CHANGE POLICY

Chair: Minjun Shi(University of Chinese Academy of Sciences)

1. Reaping the Carbon Rent: Abatement and Over-allocation Profits in the European Cement Industry, Insights from an LMDI Decomposition

Frederic Branger(CIRED, France)

Philippe Quirion(CIRED, France)

2. Toward a New Climate Regime Establishment: Contributions of Japan

Fengjun Duan(The Canon Institute For Global Studies, Japan)

Tetsuo Yuhara(The Canon Institute For Global Studies, Japan)

3. The Carbon Footprint of China With Implication For Global Climate Policy: A Multi-Region Input-Output Model

Xia Yan (Institute of Policy and Management, Chinese Academy of Sciences, China)

4. Dynamic optimal Carbon Taxes Under Stackelberg Game Model

Qiang Tu(Tianjin University, China)

Huibin Du(Tianjin University, China)

5. The Impact of Unilateral Climate Policy on Plant Location and Trade Flows

Tan Xiujie(Wuhan University, China)

Qi Shaozhou(Wuhan University, China)

SESSION 28 ENERGY TECHNOLOGY INNOVATION (I)

Chair: Zongguo Wen(Tsinghua University)

1. An Analysis on the Economics of Smart House Using Photovoltaic Cell, HEMS and Electricity Storage System

Yoshiki Ogawa(Toyo University, Japan)

Tian Shuang(Toyo University, Japan)

2. Considering Hydrogen Fuel Cell Power train as Power Plant in the Three Main Automaker Asian Countries: South Korea, Japan and China

Mario Valentino Romeri(Independent Consultant, Italy)

3. China's CO2 Mitigation Technology Options and Policies of Electric Power Industry in 2010-2030

Zongguo Wen(Tsinghua University, China)

Xuan Zhang(Tsinghua University, China)

Xuwei Yu(Tsinghua University, China)

4. The Evolution Analysis of China's New Energy Technology Based on Dynamic Factor Market Framework: Empirical Research on 71

Listed Companies of China's New Energy Technology

Ma Tao(Harbin Institute of Technology, China)

Hong Tao(Harbin Institute of Technology, China)

Chang Xiaoying(Harbin Institute of Technology, China)

5. Research on The Evolution of Electric Vehicle Technology in China

Feng Shen(East China University of Science and Technology, China)

Tieju Ma(East China University of Science and Technology, China)

SESSION 29 (INVITED SESSION) SMART GRIDS AND LOW-CARBON POWER SYSTEMS (I)

Chair: Xingping Zhang, North China Electricity Power University

1. The Impact of Environmental Regulation on Power Generators' Investment and CO2 Emission Reduction

Zhao Xiaoli (North China Electric University, China)

Yao Jin(North China Electric University, China)

2. Charging Price Mechanism in Promotion Stage for Ordered Development of Electric Vehicles

Xingping Zhang(North China Electric Power University, China)

Rao Rao(North China Electric Power University, China)

Yanni Liang(North China Electric Power University, China)

Kaiyan Luo(North China Electric Power University, China)

3. China's Electric Sector into 2050

Zhaoguang Hu(Energy Research Institute, SGCC, China)

Xiandong Tan(Energy Research Institute, SGCC, China)

Jiahai Yuan(North China Electric Power University, China)

4. Levelized Cost of Onshore Wind Power in China

Yan Xu(North China Electric Power University, China)

Jiahai Yuan(North China Electric Power University, China)

Chunning Na(North China Electric Power University, China)

5. Demand Response Effect Evaluation Considering Time of Use Price

Jun Dong(North China Electric Power University, China)

Bingjing Wang(North China Electric Power University, China)

Qi Feng(North China Electric Power University, China)

Dandan Wang(North China Electric Power University, China)

Mengmeng Dong(North China Electric Power University, China)

SESSION 30 ENERGY EFFICIENCY (II)

Chair: Yunchang Jeffrey Bor(Department of Economics, Chinese Culture University)

1. Efficiency in the Taiwan Iron and Steel Sector: A Bottom-Up Model-Based Assessment of Saving Potentials

Yi-lin Chang(Industrial Technology Research Institute, Taiwan)

Yun-hsun Huang(Industrial Technology Research Institute, Taiwan)

Hua-wei Lin(Industrial Technology Research Institute, Taiwan)

2. The Impact of Increased Energy Efficiency: a Computable General Equilibrium Analysis for Spain

Pablo Arocena(Universidad Pública De Navarra, Spain)

Antonio Gómez(Universidad Pública De Navarra, Spain)

Sofía Peña(Universidad Pública De Navarra, Spain)

Concurrent Session

3. A Composite DEA Efficiency Considering Environmental Factors Based on Degree of Grey Relation: A Case Study of Composite Efficiency of Provinces In China

Changhong Li(Shanxi University, China)

Meiqin Wu(Shanxi University, China)

Xuan Tian(Shanxi University, China)

4. Economic Impacts and Emissions Reduction Effects of JCM: Analysis Using a Disaggregated Input-Output Table

Makoto Sugino(Yamagata University/waseda University, Japan)

Toshi H.Arimura(Waseda University, Japan)

Kazuyuki Iwata(Takasaki City University of Economics, Japan)

Minoru Morita(Waseda University, Japan)

SESSION 31 (INVITED SESSION) ENERGY OF NEXT GENERATION AND CREATIVE SOLUTIONS

Chair: Hi-Chun Park, Inha Universtiy, Korea

1. Review for Moral Hazard in Conditional Loan System of Promote Overseas Oil and Gas E&P Project in South Korea

Yoon-kyung Kim(Ewha Womans University, South Korea)

2. Comparative Analysis between GHGs Reduction and Energy Efficiency: Focused on Industrial Sector in South Korea

Moon Jung Kim(Seoul National University, South Korea)

Kyoung-hee Kim(Seoul National University, South Korea)

Dae-gyun Oh(Korea Energy Management Corporation, South Korea)

3. Role of ICT Capital on Industrial Energy Demand: an International Comparison

Jihyo Kim(Seoul National University, South Korea)

Gobong Choi(Seoul National University, South Korea)

Jose Azelito Soares(National Petroleum Authority, Timor-leste, Australia)

Eunnyeong Heo(Seoul National University, South Korea)

4. Indonesia's Policy on International Energy Cooperation: Focusing on Natural Gas and Renewable Energy

Ridhanda Putra(Indonesia Ministry of Energy and Mineral Resources, Indonesia)

Ringki Nababan(Indonesia Ministry of Energy and Mineral Resources, Indonesia)

Yeonbae Kim(Seoul National University, South Korea)

Kyungjin Boo(Seoul National University, South Korea)

SESSION 32 (INVITED SESSION) MANAGING CHINA'S COAL DEMAND (I)

Chair: Leo Lester, KAPSARC, Saudi Arabia

1. China's Coal Demand Is Becoming More Price Elastic

Paul Burke(Australian National University, Australia)

Hua Liao(School of Management and Economics, Beijing Institute of Technology, China)

2. Embodied Energy in Interprovincial Trade and China's Energy Productivity Potential

Nicholas Howarth(King Abdullah Petroleum Studies and Research Center, Saudi Arabia)

Jin Min(Renmin University of China, China)

Leo Lester(King Abdullah Petroleum Studies and Research Center, Saudi Arabia)

Yan Xia(Chinese Academy of Sciences, China)

3. The Long-Term Dynamics in China's Coal Prices during 2003-2013

Hao Jin(Xi'an University of Science and Technology, China)

Jinsuo Zhang(Xi'an University of Science and Technology, China)

Concurrent Session

4. China Coal Policy Database

Brian Efirid(King Abdullah Petroleum Studies An Research Center (KAPSARC),Saudi Arabia)

Philipp Galkin(King Abdullah Petroleum Studies An Research Center (KAPSARC),Saudi Arabia)

5. Research on Scenarios of China`s Coal-Electricity System Using Message Model

Yaru Zhang(East China University of Science and Technology, China)

Tieju Ma(East China University of Science and Technology, China)

SESSION 33 UNCONVENTIONAL ENERGY DEVELOPMENT GLOBALLY

Chair: James Smith(Southern Methodist Univ.)

1. Building a Policy Framework for Shale Gas Development in Asia Pacific

Juan Roberto Lozano Maya(Asia Pacific Energy Research Centre (APERC),Japan)

2. The Most Promising Markets for Unconventional Resource Development Outside of the US and Canada: Findings of a Canadian Study Using Multi-Criteria Analysis.

Francois Nguyen(Alberta Department of Energy, Canada)

Martin Kholmatov(Alberta Department of Energy, Canada)

3. The Cost of Hydraulic Fracturing: A Hedonic Analysis

Michael S. Delgado(Purdue University, United States)

Todd Guilfoos(University of Rhode Island, United States)

Andrew Boslett(University of Rhode Island, United States)

4. Russian Energy Policy Under the Shale Revolution and the Crimean Crisis

Sanae Kurita(The Institute of Energy Economics, Japan)

5. Review the impact of shale gas extraction on water resources

Lingjuan Xia (China University of Geosciences(beijing), China)

Haizhong An (China University of Geosciences(beijing), China)

Qier An (China University of Geosciences(beijing) ,China)

SESSION 34 NATURAL GAS MARKET

Chair: Bin Su(Energy Study Institute, NUS)

1. LNG at the Crossroads: An Auspicious Confluence of Developments?

Peter Hartley(Rice University, United States)

2. The Second Revolution in Natural Gas Market: a Look At China Energy Strategy

Jalal Dehnavi(Vienna University, Austria)

Mohamad Sadegh Jokar(Tehran University, Iran)

3. Natural Gas Development Strategy Modeling in China

LI, Zhan(China University of Petroleum(beijing),China)

ZHANG, Qi(China University of Petroleum(beijing),China)

FARFAN REYES, Steven(China University of Petroleum(beijing),China)

WANG, Zhen(China University of Petroleum(beijing),China)

4. The New "Big Game" for a World Gas Market "Regulation Algorithm"

Vladislav Savin(No Affiliation, Russian Fed)

SESSION 35 RENEWABLE ENERGY DEVELOPMENT

Chair: Roman ZYTEK(International Monetary Fund)

1. Renewable Energy`s Role in Future Energy Security and Its Dependency on Policy Support Mechanisms

Craig Froome(The University of Queensland, Australia)

2. Reaping the Fruits of Renewable Energy Law -- The Philippines Case

Elvira Torres Gelindon(Asia Pacific Energy Research Centre(APERC),Japan)

Concurrent Session

3. Unlicensed Renewable Energy Generation: a Review of Regulation and Applications in the Context of Turkey

Mustafa Gozen(Energy Market Regulatory Authority ,Turkey)

4. The Great Fall: Local vs. Global Economies of Scale in the California Solar Power Market

Johannes Mauritzen(Norwegian School of Economics, Norway)

5. Liberalization and Renewable Generation in South East Asia

Tue Anh Nguyen(University of Greenwich, United Kingdom)

SESSION 36 ENERGY TECHNOLOGY INNOVATION (II)

Chair: Qi Zhang(China University of Petroleum, Beijing)

1. New Automotive Energy Technology Options of Road Freight Transportation Under the Greenhouse Gases Mitigation Scenario In China

Jihong Zhang(Wuhan University, China)

2. The Optimal Path Study for China`s Wind Power Development: Based on the Target of 2030

Bai-chen Xie (Tianjin University, China)

Ping Du (Tianjin University, China)

Li-Feng Shang (Tianjin University, China)

Ze-Yu Lu (Tianjin University, China)

3. Initial CCS Implementation in China: Schemes Designing and Assessment

Zhong Wang(Chengdu University of Technology, China)

Yuyan Luo(Chengdu University of Technology, China)

Jianchao Kuang(Chengdu University of Technology, China)

4. China Technology Development Strategies for Oil and Gas Resources

Zheng Junwei(Lanzhou Literature and Information Center, Chinese Academy of Sciences, China)

Deqiang Sun(Institute of Policy and Management, Chinese Academy of Sciences, Beijing, China)

Fan Zhao(Northwest Branch of Research Institute of Petroleum Exploration & Development, China)

Liwei Wang(Lanzhou Literature and Information Center, Chinese Academy of Sciences, China)

Xiaoyan Li(Lanzhou Literature and Information Center, Chinese Academy of Sciences, China)

5. Social Impacts Assessment of Developing Oxy-fuel CCS Technology in Chinese Coal-fired Power Industry

Aijun Li(Huazhong University of Science and Technology, China)

SESSION 37 (INVITED SESSION) SMART GRIDS AND LOW-CARBON POWER SYSTEMS (II)

Chair: Xingping Zhang, North China Electricity Power University

1. Analysis of System Dynamics on Power Structure Evolution under the Constraint of Atmospheric Pollutant Emission Reduction

Xiaopeng Guo(North China Electric Power University, China)

Xiaodan Guo(North China Electric Power University, China)

2. Electricity Consumption-Economic Growth Nexus in Beijing: a Causal Analysis from Quarterly Sectoral Data

Da Liu(North China Electric Power University, China)

Guowei Zhang(North China Electric Power University, China)

3. Electric Power Technology Competition in Low Carbon Scenarios: a Modeling Assessment for India

Kalyan Bhaskar(Indian Institute of Management Ahmedabad, India)

Shivika Mittal(National Institute for Environmental Studies, India)

P R Shukla(Indian Institute of Management Ahmedabad, India)

4. Power to Heat for District Heat Supply in Energy Markets with High Shares of Renewables

Philipp Riegebauer(Centre of Innovative Energy Systems, Germany)

Dieter Oesterwind(Centre of Innovative Energy Systems, Germany)

5. The Intertwining of Politics, Economics and Environmental Factor in Hong Kong Power Sector

Larry C.H. Chow(Hong Kong Baptist University, Hongkong SAR, China)

Concurrent Session

SESSION 38 ENERGY AND BEHAVIOR ECONOMICS

Chair: Dapeng Liang(Harbin University of Technology)

1. The Relationship between Attitude and Actual Behavior in Electricity Saving: Implications for Electricity-Saving Promotion in Korea

Jikhan Jeong(Korea Electric Power Corporation(KEPCo),South Korea)

2. Abatement Investment Decisions under Alternative Emissions Regulation: An Experimental Investigation

Elizabeth Bernold(University of Sydney, Australia)

Tihomir Ancevic(University of Sydney, Australia)

Rimvydas Baltaduonis(Gettysburg College, United States)

Tim Capon(Commonwealth Scientific and Industrial Research Organization(csiro),Australia)

Andrew Reeson(Commonwealth Scientific and Industrial Research Organization(csiro),Australia)

3. Can Staff-Rotation of Verifiers and Local Regulators Improve Truthful Reporting in Environmental Regulations?

Peiyao Shen(The University of New South Wales, Australia)

Regina Betz(Zurich University of Applied Sciences, Switzerland)

Andreas Ortmann(University of New South Wales, Australia)

4. Willingness-To-Pay and Public Support for Climate Policy: the Role of Public Awareness

Yujie Li (Renmin University of China, China)

Xiaoyi Mu(University of Dundee, United Kingdom)

Anita Schiller(University of Dundee, United Kingdom)

Baowei Zheng(Renmin University of China, China)

5. A Difference Analysis on Urban Residents` Electric Vehicle Purchase Willingness: Based on the Perspective of Household Heterogeneity Factors

Ranran Yang(China University of Mining and Technology, China)

Liwei Niu(China University of Mining and Technology, China)

Ruyin Long(China University of Mining and Technology, China)

SESSION 39 (INVITED SESSION) NATIONAL ENERGY AGENDA OF THE REPUBLIC OF KOREA

Chair: Youngsup Chun, Seoul National University, Korea

1. Directions and Tasks of the Republic of Korea`s Second National Energy Master Plan

Yang-Hoon Sonn(Korea Energy Economics Institute, South Korea)

Yoon Young Kang(Korea Energy Economics Institute, South Korea)

2. The Long-term Statistical Analysis on Greenhouse Gas Emissions in Korea

Suyi Kim(Hongik University, South Korea)

Discussants:

Professor Seung-Jin Kang, Dean of Korea Polytechnic University Immediate Past President of KREA

Professor Suduk Kim, Ajou University, Editor-in-Chief of KREA

Professor Youngho Chang, Nanyang Technological University

SESSION 40 (INVITED SESSION) MANAGING CHINA'S COAL DEMAND (II)

Chair: Yan Xia, CEEP, CAS

1. Analysis of Embodied Coal in China's International Trade

Xu Tang(China University of Petroleum(Beijing),China)

Jianliang Wang(China University of Petroleum(Beijing),China)

Lianyong Feng(China University of Petroleum(Beijing),China)

Concurrent Session

2. Energy-Saving and Emission-Abatement Potential of Chinese Coal-Fired Power Enterprise: a Non-Parametric Analysis

Chu WEI(Renmin University China, China)

Andreas Löschel(Center For European Economic Research(zew),Germany)

Bing Liu(Tsinghua University, China)

3. A Brief Discussion on Characteristics of Coal Utilization in China and the Regional Disparity

Ma Linwei(Tsinghua University, China)

4. Impacts of Coal Resources Tax Reform on China's Economy based on a Dynamic Computable General Equilibrium Model

Jiarui Shi(Beijing University of Chemical Technology, China)

Ling Tang(Beijing University of Chemical Technology, China)

SESSION 41 EMISSIONS FROM ENERGY CONSUMPTION

Chair: Shaozhou Qi(Wuhan University)

1. Energy and Emission Competition Network Between Industries in Beijing

Qier An (China University of Geosciences(beijing), China)

Haizhong An (China University of Geoscience(beijing), China)

2. Analysis of Foreign Final Demand's Induced Effect on China's Carbon Emissions

Xiao Hao(Hunan University, China)

Yani Chen(Hunan University, China)

3. Relationships Among Environmental Disclosure, Environmental Performance and Economic Performance In China's Thermal Power Industry and Steel Industry

Jisong Zhu(Peking University, China)

Su Li(Peking University, China)

Linjun Li(Peking University, China)

Guoyu Qiu(Peking University, China)

4. A Complex Network Analysis of China's Indirect Energy Flow between Industrial Sectors

Xiaoqi Sun(China University of Geosciences(beijing),China)

Haizhong An(China University of Geosciences(beijing),China)

Xiangyun Gao(China University of Geosciences(beijing),China)

Xiaoqia Liu(China University of Geosciences(beijing),China)

SESSION 42 ENERGY INVESTMENT

Chair: Lei Zhu(CEEP, IPM, Chinese Academy of Sciences)

1. Effects of Various Policies Over Investment Value of Distributed Photovoltaic Solar System in China

Lu Wang(Peking University, China)

Linjun Li(Peking University, China)

Shengwen Yu(Peking University, China)

Guoyu Qiu(Peking University, China)

2. Overseas Oil Investment Evaluation Model and Its Applications on Overseas Oil Investment Projects

Xiao Ran Liu(China University of Petroleum(beijing),China)

Xinyi HU(China University of Petroleum(beijing),China)

3. China's Oil Product Pricing Mechanism: What a Role Does it Play?

Jin Zhang(Southwestern University of Finance and Economics, China)

Mingjia Xie(Southwestern University of Finance and Economics, China)

4. The Effects of the Middle East Conflicts on the Returns of Oil Companies

Youah Lee(Green Technology Center - Korea, South Korea)

Bae Jee Young(Seoul National University, South Korea)

Concurrent Session

SESSION 43 ENERGY AND ENVIRONMENT (II)

Chair: Huibin Du(Tianjin University)

1. The Optimal Extraction of Exhaustible Resources under Pollution Constrains

Yan Xiaoxia(Xi'an University of Science and Technology, China)

Ji Yonghua(University of Alberta)

Zhang Jinsuo(Xi'an University of Science and Technology, China)

ZOU Shao-hui(Xi'an University of Science and Technology, China)

2. Fossil Resource Substitution by Organic Waste Carbon Recycling

Stefan PETTERS(Guo - Business Development Consult Austria, Austria)

Kalvin TSE(Bestrong International Ltd., Austria)

Klaus Mauthner(Katyushatec, Austria)

3. Analysis of Natural Gas Power Generation Investment Cost and Carbon Value Based on Real Option

Liyun Lou(Energy Development and Environmental Protection Strategy Research Center)

Lixin Tian(Energy Development and Environmental Protection Strategy Research Center)

4. A Sectoral Prospective Analysis of CO2 Emissions in China, USA and France, 2010-2050

Pascal DA COSTA(Ecole Centrale Paris, France)

Wenhui TIAN(Ecole Centrale Paris, France)

5. A Study of The Evolution Route of Supervision over the Green Development of Coal

Zhang Wei(Xi'an University of Science and Technology, China)

SESSION 44 ENERGY AND SOCIETY

Chair: Jean-Michel Glachant(Florence School of Regulation, European University Institute)

1. Peak Oil and China Haze

Yingchao Chen(China University of Petroleum, Beijing, China)

Lianyong Feng(China University of Petroleum, Beijing, China)

Jianliang Wang(China University of Petroleum, Beijing, China)

Ke Wang(China University of Petroleum, Beijing, China)

Xiaowen Ao(China University of Petroleum, Beijing, China)

Pei He(China University of Petroleum, Beijing, China)

Jingxuan Feng(China University of Petroleum, Beijing, China)

Willam X.We(Grant MacEwan University, Canada)

2. An Analysis of Energy Poverty in Japan: Evaluating Its Potential Future

Shinichiro OKUSHIMA(University of Tsukuba, Japan)

3. A Monetary Multisectoral Model of Human and Nature Interaction

Gael Giraud(Paris School of Economics, France)

4. Normalizing Residential and Commercial Energy Demand for Climatic Conditions

TAREK ATALLAH(King Abdullah Petroleum Studies An Research Center(kapsarc),Saudi Arabia)

Alessandro Lanza(LUISS University, Italy)

Silvio Gualdi(Centro Euro-mediterraneo Sui Cambiamenti Climatici(cmcc),Italy)

5. China's Regional Green Development Assessment Based on Network Data Envelopment Analysis

Jing Chen(Shanxi University, China)

Jianping Fan(Shanxi University, China)

Meiqing Wu(Shanxi University, China)

Xuan Tian(Shanxi University, China)

Concurrent Session

SESSION 45 RENEWABLE ENERGY POLICY

Chair: Eunyeong Heo(Seoul National University)

1. International Comparison on Renewable Energy Patent Using Shift-Share Analysis

Dongjun Lee(Seoul National University, South Korea)

2. Carbon Prices and Incentives for Technological Development

Per-olov Marklund(Umeå University, Sweden)

Tommy Lundgren(Umeå University, Sweden)

Eva Samakovlis(Swedish National Institute of Economic Research, Sweden)

Wenchao Zhou(Umeå University, Sweden)

3. Challenges of Pricing Carbon in Western Canada: an Evaluation of Alberta's Greenhouse Gas Policy

Parminder Raeewal(Asia Pacific Energy Research Centre (APERC),Japan)

4. The Investigation of the Application Potential of Combined-Cycle Hydropower Systems in China

Yue Liu(Curtin University, Australia)

Daniel J.Packey(Curtin University, Australia)

5. Feed-In Tariffs, Renewable Portfolio Standards and Renewable Energy Development in Taiwan

Chun-chiang Feng(National Central University, Taiwan)

Jin-xu Lin(Chung Yuan Christian University, Taiwan)

Shih-mo Lin(Chung Yuan Christian University, Taiwan)

Wen Pei-ling(Chung Yuan Christian University, Taiwan)

SESSION 46 ENERGY EFFICIENCY (III)

Chair: Jinkai Li(Henan University of Economics and Law)

1. Post-Reform Efficiency Evaluation of Electricity Distribution Utilities in India: Two-Stage DEA Analysis

Sudhir Bobde(National Graduate Institute of Policy Studies (GRIPS), JAPAN and Government of Uttar Pradesh, INDIA, Japan)

Makoto Tanaka(National Graduate Institute of Policy Studies (GRIPS), JAPAN, Japan)

2. Research on Building Energy Efficiency Policy Performance Evaluation of China

Yan Zhou(Harbin Institute of Technology, China)

Caicai Guo(Harbin Institute of Technology, China)

Ling Qiu(Harbin Institute of Technology, China)

Xu Qinhua(Harbin Institute of Technology, China)

3. Game Cross Efficiency Combined with Error Propagation and Entropy: A Case Study of Energy Efficiency of Regions in China Considering Environmental Factors

Weizhen Yue(Shanxi University, China)

Meiqin Wu(Shanxi University, China)

Jianping Fan(Shanxi University, China)

4. Energy Efficiency in the Asia-Pacific Region: Sector and Country Structural Effect Analysis

Yin Di(Nanyang Technological University, Singapore)

5. Searching for Robust Determinants of Energy Intensity in China

Dayong Zhang(Southwestern University of Finance and Economics, China)

SESSION 47 ENERGY SECURITY (II)

Chair: Tai Wei Lim(Chinese University of Hong Kong)

1. Comparative Analysis on China, US and Japan's Systematic Risk of Crude Oil Imports

Yuying Yang(Institute of Policy and Management, Chinese Academy of Sciences, China)

Xiaolei Sun(Institute of Policy and Management, Chinese Academy of Sciences, China)

Xiaoyang Yao(Institute of Policy and Management, Chinese Academy of Sciences, China)

Concurrent Session

2. National Oil Companies` Vertical Integration Strategy for Oil Supply Security in China and India

Draga Claudia MARIN(Université Paris-dauphine, France)

3. Prospects of Pakistan-China Energy & Economic Corridor

Faheemullah Shaikh(Institute of Policy and Management, Chinese Academy of Sciences, China)

Qiang Ji(Institute of Policy and Management, Chinese Academy of Sciences, China)

Ying Fan(Institute of Policy and Management, Chinese Academy of Sciences, China)

4. Infrastructure Investments for Power Trade and Transmission in ASEAN+2: Costs, Benefits, Long-term Contracts and Prioritized Developments

YANFEI LI(Economic Research Institute For ASEAN and East Asia, Indonesia)

Youngho Chang(Nanyang Technological University, Singapore)

SESSION 48 EMISSIONS FROM BUILDING AND HOUSEHOLD

Chair: Mei Liao(Beijing University of Technology)

1. Lessons from Behavioral Economics for Rationalizing Energy Use

Roman Zytek (International Monetary Fund, United States)

2. Indirect Carbon Emissions of Chinese Households

Hi-chun Park(Inha University, South Korea)

Huichun Fang(Inha University, South Korea)

3. Research on Carbon Key Factors Analysis Method of Urban Residential Buildings

Xianchun Tan(Institute of Policy and Management, Chinese Academy of Sciences, China)

Dexue Chen(University of Chinese Academy of Sciences, China)

Baihe Gu(Institute of Policy and Management, Chinese Academy of Sciences, China)

Baoguang Xu(Institute of Policy and Management, Chinese Academy of Sciences, China)

4. International Oil Shocks and Household Consumption in China

Hong Cao(Southwestern University of Finance and Economics, China)

5. Urban Separation and the Energy Consumption Efficiency of Chinese Households: A Meta-frontier Analysis

David C. Broadstock(Southwestern University of Finance and Economics, China)

Jiajia Li(Southwestern University of Finance and Economics, China)