

## Beijing Energy Conference 2018

### Energy Demand in Emerging and Developing Economies: Measurement, Policy Interventions and Evaluation

<b>Venue:</b> Room 728, Ming De Main Building, Renmin University, Beijing, China <b>Time:</b> 2018.9.13-14 <b>Media:</b> ZhiNeng, China Daily, Xinhua, China Energy, etc	
<b>D0 12<sup>th</sup> Sep (Wednesday)</b> Guests arrive Beijing; Friendship Hotel Check-in	
<b>D1 13<sup>th</sup> Sep (Thursday)</b>	
08:00-08:30	<b>Registration</b>
08:30-08:45	<b>Opening Ceremony &amp; Welcome Speech</b> (Session Chair: Zheng Xinye, Renmin U)
08:45-08:50	Group photo in venue
08:50-10:10	<b>Keynote Talk A</b> <i>Theme: "Understanding Energy Demand"</i> (Session Chair: Andreas Löschel, U of Munster)
10:10-10:40	Tea Break
10:40-12:30	<b>Round Table</b> <i>Theme: "Trend of World Energy Demand"</i> (Session Chair: Jiang Zhigao, ZhiNeng Consulting)
12:30-14:00	<b>Buffet Lunch</b> (Place: Feng-Shang Restaurant)
14:00-15:30	<b>Oral Session A</b> <i>Theme: "Firm's Energy Demand"</i> (Session Chair: Yu Yihua, Renmin U)
15:30-16:00	Tea Break
16:00-17:30	<b>Oral Session B</b> <i>Theme: "Climate Change and Low-carbon Development"</i> (Session Chair: Qin Ping, Renmin U)

18:00	<p>Welcome Dinner (Place: Hui-Xian Restaurant)</p>
<b>D2 14<sup>th</sup> Sep (Friday)</b>	
08:30-09:50	<p><b>Keynote Talk B</b> <i>Theme: "Energy and Environment"</i> (Session Chair: Shunsuke Managi, Kyushu U)</p>
09:50-10:05	<p>Tea Break</p>
10:05-12:35	<p><b>Oral Session C</b> <i>Theme: "Household's Energy Demand"</i> (Session Chair: Song Feng, Renmin U)</p>
12:35-14:00	<p>Buffet Lunch (Place: Feng-Shang Restaurant)</p>
14:00-15:40	<p><b>Egg-timer Session A</b> <i>Theme: "Modelling Energy Demand"</i> (Session Chair: Chen Zhanming, Renmin U)</p>
15:40-16:00	<p>Tea Break</p>
16:00-18:20	<p><b>Egg-timer Session B</b> <i>Theme: "Measurement, Determinant and Other Empirical Study of Energy Demand"</i> (Session Chair: Huang Ying, Renmin U)</p>
18:20-18:30	<p><b>Conclusion &amp; Close</b> <i>Conclusion; CER SI submission; Next conference</i> (Session Chair: Zheng Xinye, Renmin U)</p>
18:45	<p>Farewell Dinner (Place: Hui-Xian Restaurant)</p>
<b>D3 15<sup>th</sup> Sep (Saturday)</b> Friendship Hotel Check-out; Guests departure Beijing	

### **Keynote talk A (totally 80min)**

#### *Theme: Understanding Energy Demand*

No	Author (University)	Title	Duration
1	Valerie Karplus (MIT, USA)	Industrial Energy Efficiency Programs in China: Incentives and Impacts	30+10
2	Shonali Pachauri (IIASA, Austria)	Income Growth and Household Electricity Demand: Implications of Heterogeneous Elasticities	30+10

### **Keynote talk B (totally 80min)**

#### *Theme: Energy and Environment*

No	Author (University)	Title	Duration
1	Zhang Xiliang (Tsinghua U, China)	Prospects for China's Low-carbon Energy Economy Transformation: Technology and Policy	30+10
2	Wu Yanrui (Western U Australia)	Political Connection and Firm Pollution Behavior: An Empirical Study	30+10

### **Round Table (totally 110min)**

#### *Theme: Trend of World Energy Demand*

No	Author (University)	Title	Duration
1	Valerie Karplus (MIT) Andreas Löschel (U Munster) Wang Zhen (CNPC, China) Zheng Xinye (Renmin U, China) Shunsuke Managi (Kyushu U, Japan)	Perspective of USA, EU, China, Japan and others	50
2	Q&A		60

### **Oral session A (totally 90min)**

#### **Theme: Firm's Energy Demand**

No	Author (University)	Title	Duration
1	Zhu Tong (European University Institution)	Energy Abundance, Trade and the Geographical Distribution of the Manufacturing Sector in China	20+10
2	Jin Hao (Fudan U, China)	Environmental Regulation, Energy Efficiency and Energy Structure Change: Evidence from China's Manufacturing Enterprises	20+10
3	Zhou Yang (Fudan U, China)	Firm Response to Time-of-Use Electricity Price: Micro Evidence from Shanghai	20+10

### **Oral session B (totally 90min)**

#### **Theme: Climate Change and Low-carbon development**

No	Author (University)	Title	
1	Bodo Sturm (Leipzig U. Applied Science, Germany)	Conditional Cooperation in Case of A Global Public Good – Experimental Evidence from Climate Change Mitigation in Beijing	20+10
2	Hiroki Fukai (Kyushu U, Japan)	R&D Investment and Liberalization in a Clean Technology Market	20+10
3	Liu Junling (Tsinghua-Berkeley Shenzhen Institute, China)	The Urbanization Process and Its Implications for China's Future Energy Demand and Low Carbon Roadmap	20+10

### **Oral session C (totally 150min)**

#### **Theme: Household's Energy Demand**

No	Author (University)	Title	
1	Cai Wenbiao (U. Winnipeg, Canada)	Vintage Capital, Technology Adoption and Electricity Demand-Side Management	20+10
2	Hu Jiawei (China U of Mining & Technology)	Impacts of Climate Change on Residential Electricity Demand: An Empirical Estimation Based on Anhui Provincial Panel Data	20+10
3	Yu Yang (Ningbo U, China)	Income Threshold, Home Appliances and Residential Electricity Consumption in Urban China: A Microeconomic Analysis	20+10
4	Xie Lunyu (Renmin U, China)	Battling Against Local and Global Air Pollutions at Household Level -- A Cost-Benefit Analysis of the Household Coal Reduction Program in China	20+10
5	Cao Jing (Tsinghua U, China)	China's Residential Energy Demand Estimation and Energy Inequality	20+10

### ***Egg-timer session A (totally 100min)***

#### ***Theme: Modelling Energy Demand***

No	Author (University)	Title	
1	Wei Taoyuan (CICERO, Norway)	Energy Efficiency Pathways in China: Unlocking the Potential of System-Wide Opportunities	10+10
2	Jia Zhijie (Xiamen U, China)	Do Fixed Tax, Specific Tax or Ad Valorem Tax Perform Better for Fossil Fuel Production Industries? Evidence from a CGE model	10+10
3	Kenta Tanaka (Musashi U, Japan)	An Experimental Investigation of Bilateral Oligopoly in Emissions Trading Markets	10+10
4	Guo Huashi (Xi'an Jiaotong U, China)	The Improvement and Simulation of a DICE Model Based on Directed Technical Change	10+10
5	Song Feng (Renmin U, China)	The Energy Implication of China's Food System Transformation	10+10

### ***Egg-timer session B (totally 140min)***

#### ***Theme: Measurement, Determinant and other empirical study of Energy Demand***

No	Author (University)	Title	
1	Shi Xinjie (Australian National U)	Inequality of Opportunity in Energy Consumption in China	10+10
2	Li Yating (Duke U, USA)	Household Appliance Ownership and Income Inequality: Empirical Evidence from China	10+10
3	Qiu Huanguang (Renmin U, China)	Energy Poverty of the Poor	10+10
4	Liu Xiaojian (Hunan U, China)	The Impact of Financial Development on Energy Consumption in China: A Spatial Spillover Analysis	10+10
5	Xie Lunyu (Renmin U, China)	Will Urbanization Increase Residential Energy Use?---Evidence from Chinese Residential Energy Consumption Survey	10+10
6	Gao Qing (Fudan U, China)	Dynamics of Industrial Electricity Consumption Complex Network and Its Implications to Policies Adjusting Sectoral Structure in China	10+10
7	Xia Xiaohua (Renmin U, China)	Exploring the Dynamic Time-frequency Relationship Between Oil Price and Investor Sentiment: A Wavelet Coherence Analysis	10+10

## Keynote & Roundtable Guests

### Professor Valerie J. Karplus (MIT, USA)



Valerie J. Karplus is an Assistant Professor of Global Economics and Management at the MIT Sloan School of Management. She holds a BS from Yale University and a PhD from MIT. Karplus is an expert on China's energy system, including technology and business model innovation, energy system governance, and the management of air pollution and climate change. She has previously worked in the development policy section of the German Federal Foreign Office in Berlin, Germany, as a Robert Bosch Foundation Fellow, and in the biotechnology industry in Beijing, China, as a Luce Scholar. She was listed as "2016 Best 40 Under 40 Professors"

### Dr. Shonali Pachauri (IIASA, Austria)



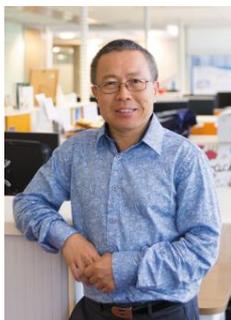
Shonali Pachauri is a Senior Research Scholar in the Energy (ENE) Program at the International Institute for Applied Systems Analysis (IIASA) in Austria. She holds a Ph.D. from the Swiss Federal Institute of Technology, Zurich (ETHZ) and a M.Sc. from University College London (UCL). She has also served as Adjunct Professor at the Yale School of Forestry and Environmental Studies. Dr. Pachauri's research focuses on the socioeconomic, demographic and environmental dimensions of household energy use in the developing world. She was Coordinating Lead Author of the Global Energy Assessment (GEA).

### Professor Zhang Xiliang (Tsinghua U, China)



Zhang Xiliang is Professor and Director of the Institute of Energy, Environment, and Economy, Tsinghua University. He is also Director, of the Tsinghua-MIT China Energy and Climate Project. He served as the Co-Leader of the expert group for drafting China Renewable Energy Law during 2004-2005, and was an Energy Expert of the expert group for drafting China Circular Economy Law in 2007. He has been a lead author of the 4<sup>th</sup> and 5<sup>th</sup> IPCC Report. Zhang holds a PhD from Tsinghua University. He has conducted research on sustainable energy technology innovation and diffusion, markets, policies and futures for China.

### **Professor Wu Yanrui (U of Western Australia, Australia)**



Prof. Yanrui Wu is an economist specializing in development economics, international trade and applied econometric modelling. His research interests include the Chinese and Asian economies, productivity analysis, economic growth, resource and environmental economics. He is the author of several books such as *Productive Performance in Chinese Enterprises* (Macmillan, 1996), *China's Consumer Revolution* (Edward Elgar Publishers, 1999), *The Macroeconomics of East Asian Growth* (Edward Elgar Publishers, 2002), *China's Economic Growth* (RoutledgeCurzon, 2004), *Productivity, Efficiency and Economic Growth in China* (Palgrave Macmillan, 2008) and *Understanding Economic Growth in China and India* (World Scientific Publishing, 2012).

### **Dr. Wang Zhen (China National Petroleum Corporation, China)**



Dr. Wang Zhen is Deputy Director of China National Petroleum Corporation (CNPC) Policy Research Center. He is a Professor of Finance, former Executive Dean of Academy of Chinese Energy Strategy, China University of Petroleum at Beijing. He is also a Fulbright Visiting Research Scholar at Darden Graduate School of Business, UVA. Dr. Wang earned his Ph.D. in finance from Peking University and his areas of interests include M&A, and Energy Finance. As a leading expert in the energy issues, Dr. Wang was invited to speak at global energy conferences and is the recipient of the 9<sup>th</sup> Global Finance Conference best paper award, Peking University best dissertation award, National Energy Administration Research Award.

### **Professor Andreas Löschel (U of Münster, Germany)**



Professor Andreas Löschel holds the Chair for Energy and Resource Economics at the University of Münster. Since 2011 he has been the chairman of the Expert Commission of the German Government to monitor the energy transformation. He is a Lead Author of the IPCC for the Fifth and Sixth Assessment Report. He is a member of the German National Academy of Science and Engineering (acatech) and a Visiting Chair Professor at the University of International Business and Economics (UIBE) in Beijing. In the Frankfurter Allgemeine Zeitung (F.A.Z.) economist ranking he was among the 50 most influential economists in Germany several times.

### **Professor Shunsuke Managi (Kyushu U, Japan)**



Shunsuke Managi is the Distinguished Professor of Technology and Policy and Director of the Urban Institute at Kyushu University. His research covers urbanization, transportation, energy, climate change, sustainability, and population change. He is a lead author for the IPCC, a coordinating lead author for the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES), an editor of Economics of Disasters and Climate Change and Environmental Economic and Policy Studies, and on the editorial board for nine journals. He co-chaired the Scientific Committee of the 2018 World Congress of Environmental and Resource Economists in Sweden.

### **Professor Zheng Xinye (Renmin U, China)**



Zheng Xinye is a professor at Renmin University. He holds a PhD in Economics from Georgia State University. He is the vice dean of the School of Economics at Renmin University of China, director of Energy and Resource Center at National Academy of Development and Strategy, senior fellow at the Brookings-Tsinghua Center for Public Policy. His research interest includes Energy industry organization theory, China's energy reform, fiscal policy, and state and local public finance. He is an advisor to National Development and Reform Commission, Ministry of Finance, Ministry of Ecology and Environment, National Energy Administration and other government department.

### **Jiang Zhigao (ZhiNeng Consulting, China)**



Jiang Zhigao is founded CEO of ZhiNeng Consulting. He was former chief-editor of Energy Observer magazine, Southern Grid Company. He aims to bridge the government, think tank, industries and public through in-depth case reports.

## Renmin University of China

Located in Beijing, the national capital of China, Renmin University of China is a research-oriented comprehensive university focusing on humanities and social sciences. It is directly under the Ministry of Education of China and is jointly financed and supported by China's Ministry of Education and the Beijing Municipal government. It can be traced back to Shanbei Public School, founded in 1937 in the midst of Anti-Japanese War. On October 3rd, 1950, the North China University was renamed as Renmin University of China. It was the first modern university founded by the People's Republic of China.

With nine first-tier disciplines ranking No. 1 nationwide, Renmin University is well placed to become an influential leader in the Chinese humanities and social sciences. The university's overriding tasks have consistently been the pursuit of truth and progress, cultural transmission and educating the country's future elites. RUC is an important base for training high-caliber professionals in the social sciences and humanities and houses a number of influential research centers and think tanks. Up to September, 2017, the RUC has a staff of 1883 which includes 659 full professors and 773 associate professors. The RUC has an enrollment of 22,749 students, which breaks into 9558 undergraduate students, 7890 master students and 3810 doctoral candidates, as well as 1491 oversea students.

Founded in 1939 as the political economy research division of the Northern-Shanxi public school, the Renmin University School of Economics has been at the center of China's economic transformation. It has a reputation for excellence in research and teaching. In official assessments conducted by the Ministry of Education, the school of economics has consistently ranked #1 in both theoretical and applied economics, respectively in the year of 2004, 2008, 2012 and 2017.

Renmin University of China is recognized throughout the country for pioneering the advancement and development of theoretical economics in China. With an invaluable faculty body, which is dynamic and diverse, School of Economics has always been an important base for economic teaching and research in the country. Among its faculty members, there are 61 full professors and 52 associate professors. The School of Economics trains and cultivates some of the country's top students, many of whom go on to become leaders in government and business. Currently, the School of Economics is home to approximately 2000 students, including 1000 undergraduates, 500 master students, 400 doctoral students and nearly 150 students from abroad.

## Travel information

- **How to reach Hotel (Yi Bing Building, Beijing Friendship Hotel)**

Public transportation:

<http://www.bjfriendshiphotel.com/en/page.html?id=2544>

Taxi: 30-60 mins, about 100-120 Yuan, no tips needed

Online map: <https://binged.it/2ASmJcZ>

- **How to reach venue (Ming De Building, Renmin University)**

By walk: 20-25 mins

Online map: <https://binged.it/2AR64Xu>

- **Weather history for Beijing (September)**

Temperature: 17-28 °C

- **Things to Do in Beijing**

<https://www.tripadvisor.com/Attractions-g294212-Activities-Beijing.html>

- **APPS**

You may install “Bing Map”, or “Baidu Map” Apps to replace “Google Map” in mainland