# Conference Schedule

## Day 1 / August 29, 2023

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-</td>
<td>Registration</td>
<td>Bldg. 14, room 201</td>
</tr>
<tr>
<td>08:30-09:00</td>
<td>Opening Remarks &amp; Ceremony</td>
<td>Bldg. 14, room 201</td>
</tr>
<tr>
<td>09:00-10:00</td>
<td>Keynote Speech</td>
<td>Bldg. 14, room 201</td>
</tr>
<tr>
<td>10:15-12:15</td>
<td>Parallel Session 1: Regular Session</td>
<td>Bldg. 14, rooms 401-515</td>
</tr>
<tr>
<td>12:15-13:50</td>
<td>General Assembly &amp; Lunch Break</td>
<td>Bldg. 14, room 201</td>
</tr>
<tr>
<td>13:50-16:20</td>
<td>Parallel Session 2: Regular Session</td>
<td>Bldg. 14, rooms 401-514</td>
</tr>
<tr>
<td>16:30-18:00</td>
<td>LOC Organizing Session</td>
<td>Bldg. 14, room 201</td>
</tr>
<tr>
<td>18:00-18:15</td>
<td>BOD Meeting</td>
<td></td>
</tr>
<tr>
<td>18:30-20:00</td>
<td>Gala Dinner</td>
<td>RIHGA Royal Hotel Tokyo</td>
</tr>
</tbody>
</table>
Day 2 / August 30, 2023

**Conference Schedule**

08:00- Registration Bldg. 14, room 201

08:30-10:00 Parallel Session 3: Thematic / Poster session

**Thematic Session**

- From waste management to circular economy: 30 years of policy innovation in EU, Japan, and the US
  
- Decarbonization policy design and role of hydrogen economy toward carbon neutrality in Japan and some major countries
  
- Carbon pricing and carbon market linkage in Northeast Asia
  
- Regional Collaboration for Nuclear Safety: Harmonizing Standards and Building Resilient Systems in East Asia
  
- Introduction to Environmental Economics and Control Theory on Carbon Neutrality
  
- Climate Extremes: welfare impacts, human trafficking, labour out-migration and land use change

**Poster Session** Bldg. 14, room 410

10:10-11:40 WCEREA Sponsored Session Bldg. 14, room 201

**Energy Policy in the Face of Global Instability**

**Speakers**

- Shiqiu Zhang Peking University
- Soocheon Lee Meijo University
- Yongsung Cho Korea University
- Dina Azhgaliyeva Asian Development Bank Institute (ADBI)

**Moderator**

- Hsiao-Chi Chen National Taipei University

11:40-12:40 Lunch Break

12:50-15:20 Parallel Session 4: Regular Session

- Carbon Pricing (1)
  
- Environmental governance and sustainable development (3)
  
- Non-market valuation (2)
  
- Climate change and Food, water, forest and agriculture (1)
  
- Waste management and circular economy
  
- Air pollution, Environment and development (1)

15:30-18:00 Parallel Session 5: Regular Session

- Energy transition (3)
  
- Carbon pricing (2)
  
- Energy efficiency and green innovation
  
- Non-market valuation (3)
  
- Low carbon building, house, and home appliances
  
- Climate change and Food, water, forest and agriculture (2)
  
- Air pollution, Environment and development (2)

18:10-18:30 Closing Remarks Bldg. 14, room 201
# Conference Program

## Day 1 / August 29, 2023

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-</td>
<td>Registration</td>
<td>Bldg. 14, room201</td>
</tr>
<tr>
<td>08:30-09:00</td>
<td>Opening Remarks &amp; Ceremony</td>
<td>Bldg. 14, room201</td>
</tr>
</tbody>
</table>
| 09:00-10:00 | Keynote Speech  
Circular Economy Japan's Experiences                        | Bldg. 14, room201 |
|         | Speaker: Eiji Hosoda, Tokai University                                |                   |
| 10:15-12:15 | Parallel Session 1: Regular Session  
Energy transition (1)                                   | Bldg. 14, room 401 |
|         | Session Chair: Daiji Kawaguchi, The University of Tokyo               |                   |
|         | • Price Elasticities of Electricity Demand as a Proxy for Direct Rebound Effects: A Meta-Analytical Comparison in the Asian Context |                   |
|         |   ○ Hyun Soo Cho, Seoul National University                           |                   |
|         |   ○ Jong Ho Hong, Seoul National University                           |                   |
|         | Discussant: Arash Taheri, University of New South Wales              |                   |
|         | Abstract                                                              |                   |
|         | • Pathways to Net-Zero: the Case of Malaysia                          |                   |
|         |   ○ Sheng Zhong, National University of Singapore                    |                   |
|         |   ○ Ojasvee Arora, National University of Singapore                  |                   |
|         | Discussant: Daiji Kawaguchi, The University of Tokyo                 |                   |
|         | Abstract                                                              |                   |
|         | • Will a Fast Transition to Renewables Compromise Energy Security? The Effect of Wind and Solar on Thermal Power Plant Efficiency |                   |
|         |   ○ Arash Taheri, University of New South Wales                     |                   |
|         | Discussant: Hyun Soo Cho, Seoul National University                  |                   |
|         | Abstract                                                              |                   |
|         | • Firm Responses to Electricity Shortages: The Case of the Fukushima Nuclear Accidents |                   |
|         |   Daiji Kawaguchi, kawaguchi@e.u-tokyo.ac.jp                         |                   |
|         |   Takanao Tanaka, University of California, Berkeley                 |                   |
|         | Discussant: Ojasvee Arora, National University of Singapore          |                   |
|         | Abstract                                                              |                   |
|         | Carbon neutrality (1)                                                | Bldg. 14, room 402 |
|         | Session Chair: Xiang Cao, Sichuan University                          |                   |
|         | • Does Strategic Carbon Disclosure Pay off?: Investigating the Impact of Voluntary Carbon Disclosure Behavior on Corporate Financial Performance in China |                   |
|         |   ○ Taizhe Xu, The University of Tokyo                               |                   |
|         | Discussant: Yazhen Gong, Renmin University of China                  |                   |
|         | Abstract                                                              |                   |
|         | • Whether the Process of Imaginary Future Generations Can Promote the Preference of Climate Change Mitigation – The Case of Carbon Tax and Net Zero Schemes |                   |
|         |   ○ Yen-Lien Kuo, National Cheng Kung University                     |                   |
|         |   ○ Wen-Chin Wu, Academia Sinica                                     |                   |
|         |   ○ Daigee Shaw, Institute of Economics, Academia Sinica, Taiwan     |                   |
|         |   ○ Bin-Tzong Chie, Tamkang University                                |                   |
|         |   ○ Chun-Ta Fan, National Cheng Kung University                      |                   |
|         | Discussant: Xiang Cao, Sichuan University                            |                   |
|         | Abstract                                                              |                   |
Spatial Distribution Characteristics of Neighborhood and Carbon Emissions under the Background of Urban Expansion: Taking Central Heating in Beijing as an Example
- Yazhen Gong, Renmin University of China
- Gefei Lei, Renmin University of China
- Bingling Duan, National Development and Reform Commission

Discussant: Taizhe Xu, The University of Tokyo

Evaluating The Impact of the Belt and Road Initiative on Ecology and Environment of Participating Countries
- Xiaolan Chen, Sichuan University
- Xiang Cao, Sichuan University
- Jiayue Lun, Sichuan University

Discussant: Yen-Lien Kuo, National Cheng Kung University

Effect of Prenatal Exposure to Extreme Heat on Birth Weight: Evidence from South Korea
- Ahram Han, Seoul National University
- Gi Khan Ten, Keimyung University

Discussant: Jinhong Wu, Copenhagen Business School

A Study on the Climate Change Adaptation Behavior of Households in the Philippines: How People Behave or Not in Severe Weather Conditions
- Mriduchhanda Chattopadhyay, St. Xavier's College (Autonomous), Kolkata
- Toshi H. Arimura, Waseda University
- Majah L. Ravago, Ateneo de Manila University
- Aretha J. Garcia, National Economic and Development Authority

Discussant: Qian Li, Nagoya University

Climate Risks and Firms’ Borrowing Costs
- Ahram Han, Seoul National University

Discussant: Jinhong Wu, Copenhagen Business School

Strategic delegation in bilateral environmental agreements under heterogeneity
- Qian Li, Nagoya University

Discussant: Mriduchhanda Chattopadhyay, St. Xavier's College (Autonomous), Kolkata

Renewable Energy Investments and Feed-in Tariffs: Firm-Level Evidence from Southeast Asia
- Dina Azghaliyeva, Asian Development Bank Institute
- Hai Le, Asian Development Bank Institute
- Resi Ong Olivares, Asian Development Bank
- Shu Tian, Asian Development Bank

Discussant: Alin Halimatussadiah, Departement of Economics Universitas Indonesia
Preference analysis on utilization of organic waste for producing electricity based on a choice experiment (CE)

- Kyeungjin Lee  
  Chonnam National University
- Jeong Hwan Bae  
  Chonnam National University

Discussant: Chihiro Yagi  
Kobe University

Assessing Procurement Options in Indonesia

- Alin Halimatussadiah  
  Departement of Economics Universitas Indonesia
- Johannes Lodewikus Kruger  
  University of Cape Town
- Fabian Wagner  
  Technical University of Denmark
- Lena Kitzing  
  Technical University of Denmark
- Roes Ebara Gikami Lufti  
  The Institute for Economic and Social Research, Faculty of Economics and Business Universitas Indonesia
- Fachry Abdul Razif  
  The Institute for Economic and Social Research, Faculty of Economics and Business Universitas Indonesia

Discussant: Dina Azhgaliyeva  
Asian Development Bank Institute

Environmental governance and sustainable development (1)  
Bldg. 14, room 502

Session Chair: Yifan Lu  
University of Tasmania

The Ripple Effect: Exploring the Impact of Ecosystem Service Degradation on Cultural Ecosystem Services and Human Well-being

- Partha Pratim Saikia  
  Indian Institute of Technology Kharagpur
- Kishor Goswami  
  Indian Institute of Technology Kharagpur

Discussant: Hongliang Zhang  
Renmin University of China

Does China need to tighten its National Air Quality Standards? An assessment on the cost and benefits of NAAQS revision

- Shiqiu Zhang  
  Peking University
- Wei Wan  
  Clean Air Asia
- Huan Lin  
  Peking University
- Yanying Wang  
  Peking University
- Dan Wu  
  Hainan University
- Li Liu  
  South China University of Technology

Discussant: Yifan Lu  
University of Tasmania

The Impact of Climate Change on Global Economic Inequality

- Linxuan Zhao  
  Renmin University of China
- Hongliang Zhang  
  Renmin University of China
- Shang Xu  
  Renmin University of China

Discussant: Partha Pratim Saikia  
Indian Institute of Technology Kharagpur

Biodiversity and ecosystem management  
Bldg. 14, room 514

Session Chair: Mikihiko Watanabe  
University of Yamanashi

Climate Change, Biodiversity and Health Nexus: Evidence from Malaria in Vietnam

- Marine Coinon  
  University of Toulouse Capitole
- Manh-Hung Nguyen  
  University of Toulouse Capitole
- Nguyen Nhat Anh  
  Universite de Strasbourg
Discussant Hyo Jae Shin Seoul National University

Abstract

● Marine Protected Area Beyond the Biophysical Justifications: A case study of the Costs and Benefits of Establishing and Managing 3 MPAs in Thailand.
  ○ Orapan Nabangchang-Srisawalak Economy and Environment Institute of the Lower Mekong Sub-Region

Discussant Mikihiko Watanabe University of Yamanashi

Abstract

● Valuation of Pollinators: with individual crop’s demand
  ○ Hyo Jae Shin Seoul National University
  ▪ Oh Sang Kwon Seoul National University

Discussant Marine Coinon University of Toulouse Capitole

Abstract

● Development of Criteria for “DSI” under the Convention on Biological Diversity
  ○ Mikihiko Watanabe University of Yamanashi

Discussant Orapan Nabangchang-Srisawalak Economy and Environment Institute of the Lower Mekong Sub-Region

After COVID-19, health and environmental issue Bldg. 14, room 515

Session Chair Kentaka Aruga Saitama University

● The Value of Statistical Life in the Pandemic Context: Age, Health, and Economic Preferences
  ○ Yohei Mitani Kyoto University
  ▪ Ao Liu Kyoto University
  ▪ Henrik Lindhjem Norwegian Institute for Nature Research

Discussant Shih-Yung Chiu Soochow University

● Impact of Capacity Building on Pesticide Use and Safety Measures by Farmers and Farm Workers
  ○ Heman Das Lohano Institute of Business Administration
  ▪ Fateh Muhammad Marri Sindh Agriculture University

Discussant Kentaka Aruga Saitama University

● Dynamic Parallel Two-Stage Electricity Efficiency Evaluation of Production and Consumption in the European Countries
  ○ Shih-Yung Chiu Soochow University
  ▪ Liang-Chun Lu Lunghwa University of Science and Technology
  ▪ Yung-Ho Chiu Soochow University
  ▪ Tzu-Han Chang Soochow University

Discussant Ao Liu Kyoto University

● The impacts of COVID-19 on seafood prices in Japan: a comparison between cheap and luxury products
  ○ Kentaka Aruga Saitama University
  ▪ Md. Monirul Islam Bangladesh Agricultural University
  ▪ Arifa Jannat Bangladesh Agricultural University

Discussant Heman Das Lohano Institute of Business Administration

12:15-13:50 General Assembly & Lunch Break Bldg. 14, room 201
Energy transition (2)

Session Chair  Yiyi Ju  Waseda University

- Energy Transition in cooking fuel for the residential sector - A study of select G-20 countries
  ○ Rekha Bhatt  Indian Institute of Technology Roorkee
  Diptimayee Nayak  Indian Institute of Technology Roorkee

Discussant  Mei Shen  Hainan University

Abstract

- Economic and environmental sustainability of anaerobic membrane bioreactor systems for wastewater reclamation, resource recovery and energy recovery
  ○ Tingwei Gao  Peking University
  Ziwei Liu  Tsinghua University
  Yizhe Lai  University of Chinese Academy of Sciences
  Kang Xiao  University of Chinese Academy of Sciences

Discussant  You Li  Asia-Japan Research Institute Ritsumeikan University

Abstract

- Evaluation of Road Transportation Efficiency in China: Based on Super-Relaxed Incremental Finitization and Window Analysis
  ○ Mei Shen  Hainan University
  Junyu Mo  Sun Yat sen University
  Li Liu  South China University of Technology
  Dan Wu  Hainan University

Discussant  Yiyi Ju  Waseda University

Abstract

- Graphical Decomposition Model to Estimate Hourly Global Solar Radiation Considering Weather Stochasticity
  ○ You Li  Asia-Japan Research Institute Ritsumeikan University
  Yafei Wang  The University of Kitakyushu
  Weisheng Zhou  Ritsumeikan University

Discussant  Tingwei Gao  Peking University

Abstract

- Modeling Coal Phase-down in Integrated Assessment Models: Stranded Assets in Asian Regions
  ○ Yiyi Ju  Waseda University
  Firdaus Nur  Kyoto University
  Kiyoshi Fujikawa  Aichi Gakuin University

Discussant  Rekha Bhatt  Indian Institute of Technology Roorkee

Carbon neutrality (2)

Session Chair  Wendan Zhang  Renmin University of China

- Carbon Emission Scenario Simulation and Carbon Reduction Pathway Analysis in the Transportation Sector of Typical Cities in Guangdong- Hong Kong - Macao Greater Bay Area
  ○ Hao Lv  Wuhan University of Science and Technology
  Li Liu  South China University of Technology
  Dan Wu  Hainan University

Discussant  Jingyu Qu  Chonnam National University

Abstract

- Policy gaps and enabling conditions to realize a net-zero climate resilient development pathway in four ASEAN Member States
  ○ Yosuke Arino  Institute for Global Environmental Strategies (IEGS), Keio University
  Sivapuram Ventaka Rama  Institute for Global Environmental Strategies (IEGS)
  Krishna Prabhakar  Institute for Global Environmental Strategies (IEGS)
  Chisa Umemiya  Institute for Global Environmental Strategies (IEGS)
The Impact of Growth pressure on Carbon Productivity through R&D investment, Emissions Trading System and Energy Security
- Jingyu Qu, Chonnam National University
- Wooyoung Jeon, Chonnam National University

Impact and Mitigation policy of climate change (2)
- Does nudging about profit enhance forest owners’ willingness to participate in forest management program? Evidence from an RCT
  - Shohei Nonoyama, Kyoto University
  - Hideki Shimada, National Institute of Advanced Industrial Science and Technology
  - Yohei Mitani, Kyoto University

Examining the Efficacy of China’s Energy Poverty Alleviation Policies: A Text Analysis on Inter-provincial Panel Data
- Xiaolan Chen, Sichuan University
- Xiang Cao, Sichuan University
- Qilin Li, Sichuan University

A Tale of Two Cities: Mission-Oriented Innovation Policy in China’s Green Industries
- Cuihong Zhang, Central South University
- Ning Liu, City University of Hong Kong

Do fishers follow fish displaced by climate warming?
- Keita Abe, Musashi University
- Florian Diekert, University of Augsburg
- Arne Melsom, Norwegian Meteorological Institute
- Øystein Ole Gahr Langangen, University of Oslo

Discussant: Cuihong Zhang, Central South University

Discussant: Dongsoon Lim, Dongeui University

Discussant: Shohei Nonoyama, Kyoto University

Discussant: Wendan Zhang, Renmin University of China

Discussant: Hao Lv, Wuhan University of Science and Technology

Discussant: Yosuke Arino, Institute for Global Environmental Strategies (IEGS) & Keio University

Discussant: Cuihong Zhang, Central South University

Discussant: Dongsoon Lim, Dongeui University

Discussant: Shohei Nonoyama, Kyoto University
How the Diffusion of Electric Vehicles Affect a Regional Economy?: Economic Growth, Energy Structure, and GHGs in Busan
Dongsoon Lim, Dongeui University
Discussant: Xiaolan Chen, Sichuan University

Evolution and enablers of solar module manufacturing in China: Lessons for India
Anurvi Mehra, Indian Institute of Technology, Delhi
Eri Ikeda, Indian Institute of Technology, Delhi
Seema Sharma, Indian Institute of Technology, Delhi
Discussant: Tuo Zhang, Kyoto University

Targeting of Corrective Subsidies: A Ramsey Approach
Takahiko Kiso, University of Aberdeen
Discussant: Satoshi Honma, Tokai University

An Empirical Study on the Competitive Bidding Strategies of Traditional Power Suppliers under the Integration of Renewable Energy
Tuo Zhang, Kyoto University
Discussant: Anurvi Mehra, Indian Institute of Technology, Delhi

How does energy efficiency affect renewable energy in Asian economies?
Satoshi Honma, Tokai University
Yoshiaki Ushifusa, The University of Kitakyushu
Farhad Taghizadeh-Hesary, Tokai University
Lilu Vandercamme, Keio University
Discussant: Takahiko Kiso, University of Aberdeen

A solution in household: Is there an alternative beyond the currently widespread pathways of food waste management in developing countries?
Hengxing Yin, Peking University
Ling Han, Peking University
Xin Tong, Peking University
Discussant: Soim Lee, Seoul National University

The Factor Price Distortion of China and Energy’s Shadow Price of Guangdong: the Use of Stochastic Frontier Analysis and Shadow Price Model
Ziye Cheng, South China University of Technology
Jinan Zheng, Sun Yat-sen University
Dan Wu, Hainan University
Li Liu, South China University of Technology
Discussant: Chin-Wen Yang, Chung-Hua Institution for Economic Research

The impact of relieving increasing block rates on residential electricity consumption by income group
Soim Lee, Seoul National University
Jong Ho Hong, Seoul National University
Discussant: Chung-Huang Huang, The Greater China Financial and Economic Development Association, ECO Group
• Evaluating the contribution of circular economy development to economic growth and CO2 emission reduction
  Chung-Huang Huang The Greater China Financial and Economic Development Association, ECO Group
  ○ Chin-Wen Yang Chung-Hua Institution for Economic Research
  Discussant Ziye Cheng South China University of Technology

  Abstract

• Effectiveness of the energy efficiency regulations on electricity saving and CO2 emission reduction in the household sector: An ARDL model with time-varying coefficients and multiplicative explanatory variables
  Ching-Yu Li The Green Energy and Environment Research Laboratories (GEL), Industrial Technology Research Institute (ITRI)
  ○ Chung-Huang Huang The Greater China Financial and Economic Development Association, ECO Group
  Discussant Hengxing Yin Peking University

  Abstract

Environmental governance and sustainable development (2)  Bldg. 14, room 502

Session Chair Harshita Gupta Indian Institute of Technology Delhi

• An integrated approach in defining energy security for the sustainable development: a case study of Vietnam
  ○ Thi Ha Pham CMC University
  Discussant Min-Han Tsai National Taiwan University

  Abstract

• The Employment Promotion and Environment Improvement through Sustainable Transformation in China’s Resource-based Cities: The Perspective of SDGs
  ○ Jiaqian Yuan Renmin University of China
  Dunhu Chang Renmin University of China
  Zhong Ma Renmin University of China
  Ji Zhou Renmin University of China
  Discussant Shengyue Lu South China University of Technology

  Abstract

• Designing Better Strategies to Cope with Natural Disasters: Evidence from Typhoon Morakot in Taiwan
  ○ Min-Han Tsai National Taiwan University
  Yir-Hueih Luh National Taiwan University
  Discussant Harshita Gupta Indian Institute of Technology Delhi

  Abstract

• Cost evolution of air pollution control technologies for coal-fired power plants in China based on learning curve analysis and simulation
  ○ Shengyue Lu South China University of Technology
  Weijie Zhang Sun Yat-sen University
  Li Liu South China University of Technology
  Dan Wu Hainan University
  Discussant Jiaqian Yuan Renmin University of China

  [Online]

• Impact of corporate social irresponsibility on cost of equity- evidence from emerging market
  ○ Harshita Gupta Indian Institute of Technology Delhi
  Shveta Singh Indian Institute of Technology Delhi
  Discussant Thi Ha Pham CMC University
**Non-market valuation (1)**

**Session Chair**  Je-Liang Liou  Chung-Hua Institution for Economic Research

- Assessing residents' support for environmentally-friendly public transportation upgrades across Europe
  - Zhenyu Yao  Shenzhen MSU-BIT University
  - Jed Cohen  Johannes Kepler University

  **Discussant**  David Wolf  Kobe University

  **Abstract**

- How do arsenic concentrated households perceive for safe drinking water? A case study of Western Bihar, India
  - Sushil Kumar  Indian Institute of Technology Roorkee
  - Diptimayee Nayak  Indian Institute of Technology Roorkee

  **Discussant**  Zihan Yang  Renmin University of China

  **Abstract**

- The Importance of Boundaries: Hedonic Valuation of Risk Following the Tohoku Earthquake
  - David Wolf  Kobe University
  - Taisuke Sadayuki  Seijo University
  - Kenji Takeuchi  Kyoto University

  **Discussant**  Je-Liang Liou  Chung-Hua Institution for Economic Research

  **Abstract**

- How does conservation affect urban land prices? Evidence from China
  - Zihan Yang  Renmin University of China
  - Jian Wu  Renmin University of China
  - Shang Xu  Renmin University of China
  - Pengju Han  Renmin University of China

  **Discussant**  Sushil Kumar  Indian Institute of Technology Roorkee

  **Abstract**

- Willingness to Pay for Eco-friendly Product: A case study of the Participatory Guarantee Systems in Taiwan
  - Ta-Ken Huang  Tamkang University
  - Je-Liang Liou  Chung-Hua Institution for Economic Research
  - Pei-Ing Wu  National Taiwan University

  **Discussant**  Zhenyu Yao  Shenzhen MSU-BIT University

  **Abstract**

---

**16:30-18:00  LOC Organizing Session**

**Japanese Climate Policy Toward Carbon Neutrality**  (Registration here)

**Title & Speakers**

- Pro-Growth Carbon Pricing Concept and its implementation
  - Nobuyoshi Wakabayashi  Director, Environmental Economy Office, Ministry of Economy, Trade and Industry

- Challenges towards decarbonized society from local communities
  - Nobuhiro Kino  Director, Office for Regional Decarbonization Policy, Ministry of the Environment

- Tokyo Cap-and-Trade Program ~Efforts Toward a "Zero Emission Tokyo"~
  - Noriko Adachi  Director for Emissions Trading, Climate Change Division, Bureau of Environment - Tokyo Metropolitan Government

- Global trends in climate change and the movements of Japanese companies
  - Yoshihisa Niwa  Boston Consulting Group Managing Director and Senior Partner

**General moderator/coordinator**  Toshi H. Arimura  Waseda University  (Online)

**Moderator (panel discussion)**  Makoto Sugino  Hosei University

---

**18:00-18:15  BOD Meeting**

**18:30-20:00  Gala Dinner**  RIHGA Royal Hotel Tokyo
### Thematic Session

**From waste management to circular economy: 30 years of policy innovation in EU, Japan, and the US**

<table>
<thead>
<tr>
<th>Organizer</th>
<th>Masashi Yamamoto</th>
<th>Tokai University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session Chair</td>
<td>Daisuke Ichinose</td>
<td>Rikkyo University</td>
</tr>
<tr>
<td>Discussant</td>
<td>Yuichi Ishimura</td>
<td>Kindai University</td>
</tr>
<tr>
<td></td>
<td>Eiji Hosoda</td>
<td>Tokai University</td>
</tr>
</tbody>
</table>

**Pathways to sustainability - contribution of EU towards a circular economy**
- Lucy O'Shea, University of Bath

**Looking Back at 30 Years of Japan's Resource Circulation Policy**
- Masashi Yamamoto, Tokai University

**Prospects for a Circular Economy in the United States**
- Thomas Kinnaman, Bucknell University

### Decarbonization policy design and role of hydrogen economy toward carbon neutrality in Japan and some major countries

<table>
<thead>
<tr>
<th>Organizer</th>
<th>Soocheol Lee</th>
<th>Meijo University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session Chair</td>
<td>Shinya Kato</td>
<td>Yamaguchi University</td>
</tr>
<tr>
<td>Discussant</td>
<td>Masakazu Sugiyama</td>
<td>The University of Tokyo</td>
</tr>
</tbody>
</table>

**Simulating Decarbonization of the Iron & Steel Industry in China, Japan, and Korea using E3ME-FTT: Steel**
- Pim Vercoulen, Cambridge Econometrics & University of Exeter
- Soocheol Lee, Meijo University
- Xu Han, Kyoto University & Cambridge Econometrics
- Wendan Zhang, Renmin University of China
- Yungsong Cho, Korea University
- Jun Pang, Renmin University of China

**Analysis of the Impact on the Economy and Industry of Carbon Neutrality in 2050 Assuming Japan’s Achievement of 2030 GHG Reduction Targets and Power Mix Plan: Analysis using the E3ME macro-econometric model**
- Shinya Kato, Yamaguchi University
- Soocheol Lee, Meijo University
- Yanmin He, Otemon Gakuin University
- Tsutomu Yoshioka, Toyo University
- Toru Morotomi, Kyoto University
- Unnada Chewpreecha, The World Bank

**Policy design for diffusing hydrogen economy and its impact on Japanese economy by 2050 carbon neutrality using E3ME-FTT model**
- Xu Han, Kyoto University
- Pim Vercoulen, Cambridge Econometrics
- Soocheol Lee, Meijo University
- Aileen Lam, World Bank
- Shinya Kato, Yamaguchi University
- Toru Morotomi, Kyoto University

**Evidence of electric vehicle tipping points in East Asia**
- Aileen Lam, University of Macau
- Jean-Francois Mercure, World Bank
### Carbon pricing and carbon market linkage in Northeast Asia

**Organizer**  
Soocheol Lee  
Meijo University  
Bldg. 14, room 403

**Session Chair**  
Soocheol Lee  
Meijo University  
Yongsung Cho  
Korea University  
Yosuke Arino  
Institute for Global Environmental Strategies (IEGS) & Keio University

- A study of decarbonization in China involving impact analysis of zero coal power plants on the economy and environment using E3ME  
  - Zian Chen  
    Nagasaki University  
  - Sunhee Suk  
    Nagasaki University  
  - Bence Kiss-Dorbonyi  
    Corvinus University of Budapest

**Discussant**  
Yongsung Cho  
Korea University  
Yosuke Arino  
Institute for Global Environmental Strategies (IEGS) & Keio University

- The Effectiveness of Emission Trading Scheme in the Manufacture Sector of Korea  
  - Nayoung Lee  
    Korea University  
  - Sunhee Suk  
    Nagasaki University  
  - Yongsung Cho  
    Korea University

- Impact of carbon market linkage between China, Japan and Korea on decarbonization: E3ME applied study  
  - Sunhee Suk  
    Nagasaki University  
  - Bence Kiss-Dorbonyi  
    Corvinus University of Budapest and Cambridge Econometrics  
  - Zian Chen  
    Nagasaki University  
  - Morotomi Toru  
    Kyoto University

---

### Regional Collaboration for Nuclear Safety: Harmonizing Standards and Building Resilient Systems in East Asia

**Organizer**  
Yanmin He  
Otemon Gakuin University  
Bldg. 14, room 502

**Session Chair**  
Kiyoshi Fujikawa  
Aichi Gakuin University (Online)  
Tatsujiro Suzuki  
Nagasaki University

- Barriers and challenges to harmonizing nuclear safety standards in East Asia  
  - Yanmin He  
    Otemon Gakuin University  
  - Jong-Min Choi  
    Seoul National University  
  - Hiroshi Yoshida  
    Tokyo University of Agriculture and Technology  
  - Sungin Na  
    Hiroshima shudo University  
  - Weisheng Zhou  
    Ritsumeikan University  
  - Hyelim You  
    Nagoya University of Commerce

- Harmonization of Western European Nuclear Power Safety Standards and Challenges toward the Improvement of Nuclear Power Safety  
  - Soocheol Lee  
    Meijo University  
  - Weisheng Zhou  
    Ritsumeikan University  
  - Hyelim You  
    Nagoya University of Commerce  
  - Yanmin He  
    Otemon Gakuin University  
  - Hiroshi Yoshida  
    Tokyo University of Agriculture and Technology  
  - Kenji Asakawa  
    Institute for Global Environmental Strategies (IGES)

- Building nuclear safety system in East Asia toward nuclear safety society - Challenges to overcome a fragmented nuclear safety system  
  - Hyelim You  
    Nagoya University of Commerce & Business

- Taiwan’s Process for Abandoning Nuclear Power Generation and Energy Supply Plan  
  - Lichun Chen  
    Yamaguchi University  
  - Kiyoshi Fujikawa  
    Aichi Gakuin University
Introduction to Environmental Economics and Control Theory on Carbon Neutrality  
Bldg. 14, room 514

Organizer  Yoshiaki Ushifusa  
University of Kitakyushu

Session Chair  Yoshiaki Ushifusa  
University of Kitakyushu

Discussant  Satoshi Honma  
Tokai University
Shinsuke Kyoi  
Research Institute for Humanity and Nature
Takeshi Hatanaka  
Tokyo Institute of Technology

● On the potential failure of policies to promote woody biomass by focusing on individual trees rather than considering the forest as a whole
  ○ Eiji Sawada  
Kyushu Sangyo University

Abstract

● User-Based Rebalance Using Model Predictive Control in One-Way Car-Sharing System
  Takatoshi Haruna  
Keio University
  ○ Toru Namerikawa  
Keio University

Abstract

● Heterogeneous Preferences for Offshore Wind Turbines in Japan: A Choice Experiment Study
  ○ Shinsuke Kyoi  
Research Institute for Humanity and Nature
  Ken-Iwata  
Kyoto University
  Yoshiaki Ushifusa  
The University of Kitakyushu

Abstract

● Dynamic Incentive and Control Mechanism in a Principal-Agent Problem: A Stability Analysis in Long-Term Risk-Sensitive Case
  ○ Yasuaki Wasa  
Waseda University
  Ken-Ichi Akao  
Waseda University
  Kenko Uchida  
Waseda University

Abstract

Climate Extremes: welfare impacts, human trafficking, labour out-migration and land use change  
Bldg. 14, room 515

Organizer  South Asian Network for Development and Environmental Economics (SANDEE)

Session Chair  Mani Nepal  
South Asian Network for Development and Environmental Economics (SANDEE), International Center for Integrated Mountain Development (ICIMOD)

Discussant  Pranab Mukhopadhyay  
Goa University
Mani Nepal  
South Asian Network for Development and Environmental Economics (SANDEE), International Center for Integrated Mountain Development (ICIMOD)

A K Enamul Haque  
East West University

● Impact of Climate Change on Human Trafficking in Vulnerable Coastal Districts of Bangladesh
  ○ A K Enamul Haque  
East West University
  A M Tanvir Hussain  
East West University
  Asiya Siddica  
East West University

Abstract

● Impact of natural disasters on educational attainment in India A panel data analysis
  Yasser Razak Hussain  
M.E.S. College and Goa University
  ○ Pranab Mukhopadhyay  
Goa University

Abstract

● Labour Outmigration, Farmland Fallowing, Livelihood Diversification and Technology Adoption in Nepal
  Apsara Karki Nepal  
Independent Researcher
  ○ Mani Nepal  
South Asian Network for Development and Environmental Economics (SANDEE), International Center for Integrated Mountain Development (ICIMOD)

Randall Bluffstone  
Portland State University

Abstract
• Public Satisfaction and Evaluation toward the Ecosystem Service of the Hillslope Forest in the Lanyang Stream Watershed, Taiwan
  ○ Shyue-Cherng Liaw National Taiwan Normal University
  ○ Wan-Jiun Chen Chinese Culture University

Abstract

• Decomposition and decoupling analysis of CO₂ emissions for decades in the world
  ○ Yasunori Ito Kyushu University
  ○ Hidemichi Fujii Kyushu University

Abstract

• Techno-economic assessment of industrial decarbonization with clean hydrogen towards carbon neutrality in China
  ○ Fangming Liu Renmin university of China
  ○ Junling Liu Harbin Institute of Technology (Shenzhen)
  ○ Ke Wang Renmin university of China

Abstract

• CO₂ Emission Coverage of CBAM on South Korea’s Regional Economies: A Multi-Regional Input-Output Approach
  ○ Jintae Kim Seoul National University
  ○ Daehae Eum Seoul National University
  ○ Sungjoo Lee Seoul National University
  ○ Jong-Ho Hong Seoul National University

Abstract

• Exploring Contextual Factors for the Uptake of Sustainable Farming: Evidence from Young Farmers in Taiwan
  ○ Tsung-Hua Lee Taoyuan District Agricultural Research and Extension Station
  ○ Yir-Hueih Luh National Taiwan University

Abstract

• A Study on Cost Benefit Analysis of REDD+ projects in Africa - Focused on REDD+ projects in Tanzania - (Online)
  ○ Kang Mi Rang Seoul National University

Abstract

• The Effect of Flood Experience on Property Values: The Evidence from South Korea
  ○ Ju Young Park Korea Environment Institute

Abstract

• Study on Candidate Site Selection for Agricultural Solar Power and Farm Household Income Effect in Chungnam Region
  ○ Byung Min Soon Chungnam National University
  ○ Dong Won Shin Korea Environmental Research Institute

Abstract

• Estimating the heterogenous impacts of conservation easements on property prices across the conterminous United States
  ○ Payal Shah Okinawa Institute of Science and Technology Graduate University
  ○ Christoph Nolte Boston University

Abstract

• Unintended Distortion of Regulating Water Use: Evidence from China
  ○ Hua Zhong Beihang University

Abstract

• Assessing Resident Expectations: Applying CVM to Determine Tourist Entry Fee for Tokunoshima Island, World Natural Heritage Site in Japan
  ○ May Kamezaki Kyoto University

Abstract
• Rebound effects in the era of the energy transition.
  ○ Nhat-Anh Nguyen University of Strasbourg
  Phu Nguyen-Van University Paris Nanterre
  Anne Stenger University of Strasbourg

Abstract

• Impact of Corporate Social Responsibility Expenditure on Education and Health Outcomes
  ○ Shachi Rai Jawaharlal Nehru University
  Sangeeta Bansal Jawaharlal Nehru University

Abstract

• Citizens' Preferences on Green Infrastructure in Wuhan, China
  ○ Chang Lu Shiga University
  Katsuya Tanaka Shiga University
  Qulin Shen Shiga University

Abstract

• Mapping China's Hydrogen Energy City Clusters: Old and New Synergistic Effects
  ○ Maoling Yuan City University of Hong Kong
  Ning Liu City University of Hong Kong
  Cuihong Zhang City University of Hong Kong

Abstract

10:10-11:40 WCEREA Sponsored Session
Bldg. 14, room 201
Energy Policy in the Face of Global Instability

Speakers
Shiqiu Zhang Peking University
Soocheol Lee Meijo University
Yongsung Cho Korea University
Dina Azhgaliyeva Asian Development Bank Institute (ADBI)

Moderator
Hsiao-Chi Chen National Taipei University

11:40-12:40 Lunch Break

12:50-15:20 Parallel Session 4: Regular Session
Carbon Pricing (1) Bldg. 14, room 402

Session Chair Jongmin Yu Hongik University

• Do Lenders Penalize High Energy-Consumption Firms? Not Really
  Neeru Chaudhry Indian Institute of Technology Delhi
  ○ Damini Kumari Indian Institute of Technology Delhi
  Discussant Kenta Tanaka Musashi University

Abstract

• When and Under What Conditions Does an Emission Trading Scheme Become Cost Effective?
  Hongyan Zhang China University of Petroleum
  ○ Lin Zhang City University of Hong Kong
  Ning Zhang Shandong University
  Discussant Jongmin Yu Hongik University

Abstract

• The impacts of the Tokyo and Saitama ETSs on the energy efficiency performance of manufacturing facilities
  Lu Guanyu Waseda University
  ○ Kenta Tanaka Musashi University
  Toshi H. Arimura Waseda University
  Discussant Damini Kumari Indian Institute of Technology Delhi

Abstract

• Does emission trading lead to carbon leakage in RGGI?: triple difference application
  ○ Jongmin Yu Hongik University
  Jaeseok Lee Korea Energy Institute
  Discussant Lin Zhang City University of Hong Kong

Abstract
Environmental governance and sustainable development (3)  Bldg. 14, room 502

**Session Chair**  Rintaro Yamaguchi  National Institute for Environmental Studies (NIES)

- **Surprising policy serendipity: How does the development of video game industry address sustainability?**
  - Wei Gu  City University of Hong Kong
  - Ning Liu  City University of Hong Kong
  - Lin Zhang  City University of Hong Kong

**Discussant**  Shachi Rai  Jawaharlal Nehru University

**Abstract**

- **The Regional Reallocation Effect on Rural Labor Forces of Environmental Regulations for Water Pollution Control in China**
  - Ji Zhou  Renmin University of China
  - Dunhu Chang  Renmin University of China
  - Xiangbo Xu  Chinese Academy of Sciences
  - Zhong Ma  Renmin University of China
  - Linxiu Zhang  Chinese Academy of Sciences

**Discussant**  Yu-Ching Shen  Kyoto University

**Abstract**

- **Relationship between Corporate Social Responsibility Expenditure and Financial Performance: Role of Business Group Affiliation**
  - Shachi Rai  Jawaharlal Nehru University
  - Sangeeta Bansal  Jawaharlal Nehru University

**Discussant**  Rintaro Yamaguchi  National Institute for Environmental Studies (NIES)

**Abstract**

- **How does the Farmland Market Respond to a Weather Shock? Evidence from Transaction Data in Taiwan**
  - Yu-Ching Shen  Kyoto University

**Discussant**  Ji Zhou  Renmin University of China

**Abstract**

- **Ecological footprint, natural capital, and efficiency as knowledge capital in wealth accounting**
  - Wei Gu  City University of Hong Kong

**Discussant**  Rintaro Yamaguchi  National Institute for Environmental Studies (NIES)

**Non-market valuation (2)  Bldg. 14, room 515**

**Session Chair**  Yana Jin  Peking University

- **Assessing the Recreational and Educational Value of Taipei Zoo: A Travel Cost Method and Contingent Behavior Approach**
  - Tzu-Yu Tung  National Tsing Hua University
  - Ya-wen Chiu  National Tsing Hua University

**Discussant**  Kei Kabaya  Rikkyo University

**Abstract**

- **The Economic Benefits of Water Storage Infrastructure: Evidence from Taiwan**
  - Chia-Chen Hsu  National Taiwan University
  - Yau-Huo (Jimmy) Shr  National Taiwan University

**Discussant**  Zhenyu Yao  Shenzhen MSU-BIT University

**Abstract**

- **Do Different Visual Presentation Formats Encourage Different Choice Behaviors? Discrete Choice Experiment on Urban Park Landscapes**
  - Kei Kabaya  Rikkyo University
  - Kayo Tajima  Rikkyo University
  - Daisuke Ichinose  Rikkyo University
  - Michiko Asano  The University of Tokyo

**Discussant**  Yana Jin  Peking University

**Abstract**
● Respondent experience and willingness-to-pay: Reconciling stated preference data with scientific evidence
  ○ Zhenyu Yao Shenzhen MSU-BIT University

Discussant Yau-Huo (Jimmy) Shr National Taiwan University

Abstract

● Eliciting willingness to pay to reduce health risks related to air pollution – the effect from stated preference survey mode
  ○ Yana Jin Peking University
  Henrik Andersson Toulouse School of Economics
  Shiqiu Zhang Peking University

Discussant Tzu-Yu Tung National Tsing Hua University

Abstract

Climate change and Food, water, forest and agriculture (1)  Bldg. 14, room 403

Session Chair Xiaogu  Li Beihang University

● Local Mariculture vs. Imports: Implications for Sustainability and Food Security
  ○ Yanay Farja Tel-Hai College, Israel
  Asael Greenfeld Tel-Hai College, Israel
  Dror Angel University of Haifa

Discussant Chihiro Shiga The University of Tokyo

Abstract

● A Hedonic Regression to Estimate the Value of Commercial Catch Method: A Case Study using the Japanese Commercial Swordfish Fishery
  ○ Ryan Kueber The University of Tokyo
  Nobuyuki Yagi The University of Tokyo

Discussant Xiaogu Li Beihang University

Abstract

● Preliminary study on the causes of unutilized and underutilized fish in Japan
  ○ Chihiro Shiga The University of Tokyo
  Yutaro Sakai The University of Tokyo
  Nobuyuki Yagi The University of Tokyo

Discussant Yanay Farja Tel-Hai College, Israel

Abstract

● Urban Landscaping or Water Conservation: A Tradeoff with Stringent Regulating Policies in China
  ○ Xiaogu Li Beihang University
  Hua Zhong Beihang University

Discussant Ryan Kueber The University of Tokyo

Abstract

Waste management and circular economy  Bldg. 14, room 514

Session Chair Ken-Ichi Akao Waseda University

● From Mixed Waste to Separation at Source: A Strategic Game Analysis of Religious Communities in Israel
  Chen Cohen Ben-Gurion University of the Negev
  Doron Lavee Tel Hai college

Discussant Ken-Ichi Akao Waseda University

Abstract

● Will smart society reduce food loss and waste?
  ○ Yiyi Ju Waseda University
  Ayu Washizu Waseda University
  Sayaka Ita Tohoku-gakuin University

Discussant Doron Lavee Tel Hai college

Abstract
EPR or PPP? The choice of principle for environmental regulation
- Ken-Ichi Akao, Waseda University
- Eiji Hosoda, Tokai University
- Geumsoo Kim, Hoseo University

Discussant: Yiyi Ju, Waseda University

Abstract

Air pollution, Environment and development (1)

Session Chair: Voravee Saengavut, Khon Kaen University

An Empirical Analysis on the Effects of the Seoul Metropolitan Area’s Air Pollutants Emission-Cap Regulation
- Ji Won Im, Seoul National University
- Jong Ho Hong, Seoul National University

Discussant: Zeyang Zhang, Renmin University of China

Abstract

Economic policy uncertainty and Co-Control of Air Pollutants and CO2: Evidence based on 282 cities’ economic policy uncertainty index
- Xuan Yang, Renmin University of China
- Zeyang Zhang, Renmin University of China
- Lei Shi, Renmin University of China

Discussant: Voravee Saengavut, Khon Kaen University

Abstract

“Icing on the cake” or “fuel delivered in the snow”? Evidence from China on ecological compensation for air pollution
- Zeyang Zhang, Renmin University of China
- Hancheng Song, CPC Beijing Municipal Education Committee
- Jian Wu, Renmin University of China
- Dunhu Chang, Renmin University of China
- Xin Wang, China National Environmental Monitoring Centre

Discussant: Ji Won Im, Seoul National University

Abstract

Burning dilemma: assessing constraints to reducing agricultural fires among sugarcane farmers in Northeast Thailand
- Voravee Saengavut, Khon Kaen University
- Tanyamat Srungboonmee, Khon Kaen University
- Man-Keun Kim, Utah State University

Discussant: Xuan Yang, Renmin University of China

Abstract

15:30-18:00 Parallel Session 5: Regular Session

Energy transition (3)

Session Chair: Thang Nam Do, Australian National University

Multidimensional Feasibility of Solar Target in Bangladesh
- Moshahida Sultana, Central European University
- Kalil Mustafa, Sarbojonkotha

Discussant: Akihisa Mori, Kyoto University

Abstract

Strengthen the carbon emission reduction of intermittent renewable energy through multi-energy integration
- Bing Zhang, Nanjing University
- Zhongwen Xu, Nanjing University

Discussant: Maxensius Sambodo, National Research and Innovation Agency (BRIN)

Abstract
Electricity system transitions: The case of Vietnam and the Philippines

Akihisa Mori Kyoto University

Discussant Thang Nam Do Australian National University

Abstract

Decarbonisation of Indonesian energy system: formality and reality

Maxensius Sambodo National Research and Innovation Agency (BRIN)

Akihisa Mori Kyoto University

Mesnan Silalahi National Research and Innovation Agency (BRIN)

Discussant Bing Zhang Nanjing University

Abstract

Phasing out coal power in a developing country context: Insights from Vietnam

Thang Nam Do Australian National University

Paul J. Burke Australian National University

Discussant Moshahida Sultana Central European University

Abstract

Carbon pricing (2)

Effect of a European Carbon Border Adjustment Mechanism on the APAC region: a Structural Gravity Analysis

Aline Mortha Waseda University

Toshi H. Arimura Waseda University

Shiro Takeda Kyoto Sangyo University

Tatyana Chesnokova Waseda University

Discussant Thomas Kinnaman Bucknell University

Abstract

Should carbon tax revenues be earmarked for renewable energy development: the case of countries in east Asia region

Yuventus Effendi Indonesian Ministry of Finance

Budy P. Resosudarmo Australian National University

Discussant Jin-Li Hu National Yang Ming Chiao Tung University, Taiwan

Abstract

The Empirical Effects of a Carbon Price

Thomas Kinnaman Bucknell University

Discussant Jeong Won Kim National University of Singapore

Abstract

Effects of Internal Carbon Pricing on Carbon Emission Efficiency: Evidence from Japanese Firms

Jin-Li Hu National Yang Ming Chiao Tung University, Taiwan

Satoshi Honma Tokai University

Mei-Fang Liu National Chiao Tung University

Discussant Budy P. Resosudarmo Australian National University

Abstract

Internal Carbon Pricing: Global Trends and Challenges

Jeong Won Kim National University of Singapore

Discussant Aline Mortha Waseda University

Abstract

Energy efficiency and green innovation

Session Chair Naveen Adhikari Tribhuvan University

Carbon disclosure and corporate green innovation: Evidence from Japan

Xiao Jia Kobe University

Kenji Takeuchi Kyoto University

Discussant Budy P. Resosudarmo Australian National University

Abstract
Discussant: Doori Kim

Chonnam National University

Abstract

The Impact of Carbon Productivity of Companies Participating in Emissions Trading System on Firm Value

- Dohyun Ji
  Chonnam National University
- Wooyoung Jeon
  Chonnam National University

Discussant: Naveen Adhikari

Tribhuvan University

Environmental policies with the excess burden of public funds and privatization

- Doori Kim
  Chonnam National University
- Sang-Ho Lee
  Chonnam National University

Discussant: Xiao Jia

Kobe University

Energy-Related Financial Literacy and Fuel Efficiency: Evidence from Motorcycles in Nepal

- Naveen Adhikari
  Tribhuvan University
- Massimo Filippini
  Center of Economic Research, ETH, Zurich
- Nilkanth Kumar
  Center of Economic Research, ETH, Zurich
- Nirmal Kumar Raut
  Tribhuvan University
- Suchita Srinivasan
  Center of Economic Research, ETH, Zurich

Discussant: Dohyun Ji

Chonnam National University

Non-market valuation (3)

Bldg. 14, room 515

Session Chair: Katsuya Tanaka

Shiga University

Estimating Resident’s Willingness-to-pay for Urban Parks in Chengdu, China: A Spatial Analysis

- Yuying Luo
  Sichuan University
- Xiang Cao
  Sichuan University
- Xiaolan Chen
  Sichuan University

Discussant: Shengyi Du

Shiga University

Farmers’ willingness to pay for household waste in the Qinling region using the contingent valuation method

- Feng Wang
  Northwest University
- Yihan Hou
  Northwest University
- Ruikun An
  Northwest University

Discussant: Daigee Shaw

Institute of Economics, Academia Sinica

How to Identify and Estimate the Demand for Job Safety?

- Nan Zhang
  University of Trento
- Robert Mendelsohn
  Yale University
- Daigee Shaw
  Institute of Economics, Academia Sinica

Discussant: Katsuya Tanaka

Shiga University

Residents’ preferences for urban agriculture in Shanghai

- Shengyi Du
  Shiga University
- Katsuya Tanaka
  Shiga University

Discussant: Xiang Cao

Sichuan University

Residents’ preferences for traffic calming and receptivity to diffusion policies in Portland, Oregon

- Katsuya Tanaka
  Shiga University
- Jennifer Dill
  Portland State University
- Nathan Mcneil
  Portland State University
- Roger Geller
  Portland Bureau of Transportation
- Noriaki Kondo
  Shiga University

Discussant: Ruikun An

Northwest University
### Low carbon building, house, and home appliances

**Session Chair**  
Jinmahn Jo  
University of California

- **Energy price sensitivity: installation vs. usage stage of heating appliances**  
  - Jiaxing Wang  
    Sapporo Gakuin University  
  - Shigeru Matsumoto  
    Aoyama Gakuin University  

**Discussant**  
Ting-Jui Sun  
Asian Pacific Energy Research Centre (APERC), Industrial Technology Research Institute (ITRI)

**Abstract**

- **Gender Empowerment, Information, And Attitude: Do They Help Reduce the Energy Efficiency Gap? Evidence from Urban India**  
  - Monalisa Singh  
    Indian Institute of Technology Tirupati  
  - Chandra Sekhar Bahinipati  
    Indian Institute of Technology Tirupati  

**Discussant**  
Nhat-Anh Nguyen  
University of Strasbourg

**Abstract**

- **Developing a community-based energy saving behavioral program – A lesson learned from Taiwan**  
  - Ting-Jui Sun  
    Asian Pacific Energy Research Centre (APERC), Industrial Technology Research Institute (ITRI)  
  - Yating Chuang  
    Institute of Economics, Academia Sinica  
  - Wen-Hua Liao  
    Industrial Technology Research Institute (ITRI)  
  - Ying-Yi Chen  
    Institute of Economics, Academia Sinica  
  - Yi-Hung Chen  
    Industrial Technology Research Institute (ITRI)  
  - Chuan-Yi Su  
    Industrial Technology Research Institute (ITRI)

**Discussant**  
Jinmahn Jo  
University of California

**Abstract**

- **Rebound effects: The longer distance from social optima**  
  - Nhat-Anh Nguyen  
    University of Strasbourg  
  - Phu Nguyen-Van  
    University Paris Nanterre  
  - Anne Stenger  
    University of Strasbourg  

**Discussant**  
Monalisa Singh  
Indian Institute of Technology Tirupati

**Abstract**

- **Prices Still Matter: How Households Adjust Their Consumption Behavior under Time-Of-Use Electricity Pricing**  
  - Jinmahn Jo  
    University of California  

**Discussant**  
Jiaxing Wang  
Sapporo Gakuin University

## Climate change and Food, water, forest and agriculture (2)

**Session Chair**  
Wan-Jiun Chen  
Chinese Culture University

- **Cooperation in organic agriculture adoption: A theoretical model**  
  - Quang Huy Nguyen  
    University of Strasbourg  

**Discussant**  
Jirawan Kojansri  
Khon Kaen University

**Abstract**

- **Collective Bargaining in an Agricultural Network Setting with Negative Externalities**  
  - Arnaud Z. Dragicevic  
    Chulalongkorn University  
  - Jean-Christophe Pereau  
    Bordeaux School of Economics  

**Discussant**  
Qi Wang  
Renmin University of China

**Abstract**

- **Exploring Risk Aversion among Smallholder Rice Farmers: A Spatial Analysis on Crop Diversification**  
  - Jirawan Kojansri  
    Khon Kaen University  
  - Voravee Saengavut  
    Khon Kaen University  
  - Phumsith Mahasuweerachai  
    Khon Kaen University  

**Discussant**  
Wan-Jiun Chen  
Chinese Culture University

**Abstract**
Research on the pollution reduction effect and mechanism of basin ecological compensation policy

- Qi Wang, Renmin University of China
- Yanlin Du, Renmin University of China
- Zigang Liu, Renmin University of China

Discussant: Arnaud Z. Dragicevic, Chulalongkorn University

Abstract

Agro-leisure industry in Lanyang River Watershed to climate change adaptations

- Wan-Jiu Chen, Chinese Culture University
- Shyue-Cherng Liaw, National Taiwan Normal University

Discussant: Quang Huy Nguyen, University of Strasbourg

Abstract

Air pollution, Environment and development (2)

Session Chair: Hyungna Oh, Kyung Hee University

The relationship between air pollution and road traffic in Guangdong province: An analysis based on the perspective of spatial correlation network

- Yujie Zhang, South China University of Technology
- Lu Yang, South China University of Technology
- Li Liu, South China University of Technology
- Dan Wu, Hainan University

Discussant: Wenjun Bu, Nagoya University

Abstract

Research on the Diffusion Path of Desulfurization and Denitrification Technology in China’s Coal-fired Power Industry

- Yuxiang Yang, Hainan University
- Jingfei Wang, Sun Yat-sen University
- Dan Wu, Hainan University
- Li Liu, South China University of Technology

Discussant: Mika Akesaka, Kobe University

Abstract

Evaluating public preferences for autonomous buses in Japan using best-worst scaling

- Wenjun Bu, Nagoya University
- Makiko Nakano, Nagoya University

Discussant: Hyungna Oh, Kyung Hee University

Abstract

“Invisible Killer”: Seasonal Allergy and Accidents

- Mika Akesaka, Kobe University
- Hitoshi Shigeoka, The University of Tokyo

Discussant: Yuxiang Yang, Hainan University

Abstract

Will innovators in energy-intensive industries benefit from being first movers?

- Hyungna Oh, Kyung Hee University

Discussant: Yujie Zhang, South China University of Technology

Abstract

18:10-18:30 Closing Remarks

Remarks by Local Committee Chair
Best Poster Award given by AAERE President
Announcement for 2023 Congress