

Conference Schedule of AAERE Congress 2024

Time(TST)	8/25	8/26		8/27		8/28
08:30		Registration 8:30-9:00		Registration 8:30-9:00		Conference site visit: One-Day Tour of Hsinchu Old City and Xiangshan Wetlandf
09:00-		Opening Remarks & Ceremony 9:00-10:00		Keynote Speech 9:00-10:00 Dr. Shiqiu ZHANG		
09:30						
10:00-		Keynote Speech 10:00-12:00 Dr. Budy P. Resosudarmo Dr. Daigee Shaw		Parallel Session 3 10:00- 12:00	WCEREA Special Session 10:00- 12:00	
10:30						
11:00-						
11:30		Lunch Break 12:00-12:40		Lunch Break 12:00-12:40		
12:00-		AAERE congress 12:40-13:40		Poster Session 12:40- 13:40	BOD Meeting 2 12:40- 13:40	
12:30						
13:00-		Parallel Session 1 13:40-15:40		Sponsored Session (A&A) 13:40-15:40	Parallel Session 4 13:40- 15:40	
13:30	Registration 14:30-15:00					
14:00-	Break 15:40-16:00		Break 15:40-16:00			
14:30	BOD Meeting 15:00-17:00	Parallel Session 2 16:00-18:00	Sponsored Session (A&A) 16:00-18:00	Parallel Session 5 16:00-18:00		
15:00-						Welcome Reception 17:30-19:30
15:30		Gala Dinner 18:30-20:00		Closing Remarks 18:10-18:30		
16:00-						
16:30						
17:00-						
17:30						
18:00-						
18:30						
19:00-						

※8/28 Conference site visit: One-Day Tour of Hsinchu Old City and Xiangshan Wetlandf

09:30 at The Thinker sculpturer, Macronix Building, NTHU→ TSMC Museum of Innovation→ Hsinchu Du Cheng Huang Temple and Old City Area Tour→ Chu-fish Fisheries Company→ Xiangshan Wetland Tour→ The Thinker sculpturer, Macronix Building, NTHU

Conference Schedule

August 26, 2024

8:30-9:00	Registration	Macronix Building, International Conference Hall
9:00-10:00	Opening Remarks & Ceremony	
10:00-12:00	Keynote Speech Chair Jin-Li Hu Speaker Dr. Budy P. Resosudarmo Dr. Daigee Shaw	
12:00-12:40	Lunch Break	
12:40-13:40	AAERE congress	
13:40-15:40	Parallel Session 1	
	1-1 Net-Zero Emission	Classroom243
	1-2 Regional Cooperation and Policy	Classroom253
	1-3 Energy Transition	Seminar room1
	1-4 Public Preferences and Social Effects	Seminar room2
	1-5 Hybrid A: Agricultural Water Resources Management and Adaptation to Climate Change (A&A): Water Resource Management and Climate Change	International Conference Hall
	1-6 Hybrid B: Advancing Sustainable Practices: Integrating Environmental Services, Renewable Energy, and Corporate Carbon Management	Education Building Classroom 102
15:40~16:00	Break	
16:00-18:00	Parallel Session 2	Macronix Building
	2-1 Carbon Emissions and Energy Management	Classroom243
	2-2 Environmental Policy	Classroom253
	2-3 Hybrid C: Regional Cooperation and Environmental Policy	International Conference Hall
	2-4 Climate Resilience	Seminar room 1
	2-5 Agricultural Water Resources Management and Adaptation to Climate Change (A&A): Climate Change and Agriculture Navigating Environmental Challenges	Chou Hwai Pwu Hall
18:30-20:00	Gala Dinner	Amazing hall Yufeng

August 27, 2024

8:30-9:00	Registration	Macronix Building
9:00-10:00	Keynote Speech	Macronix Building
	Chair Kuo-Tai Cheng	International Conference Hall
	Speaker Dr. Shiqiu ZHANG (online)	
10:00-12:00	Parallel Session 3	
	3-1 Carbon Pricing	Classroom243
	3-2 Green Energy Innovations and Environmental Impact	Seminar room1
	3-3 Climate change and green industry	Seminar room2
	3-4 Public Resources and Services	Education Building Classroom 102
	3-5 Hybrid D: WCEREA Special Session Forest as a Carbon Sink--Climate Change, Land-Use, and Biodiversity: Economic Perspectives	International Conference Hall
	3-6 Agricultural Water Resources Management and Adaptation to Climate Change (A&A): Environmental Policies and Legislation	Chou Hwai Pwu Hall
12:00-12:40	Lunch Break	
12:40-13:40	Poster Session/ BOD Meeting 2	
13:40-15:40	Parallel Session 4	
	4-1 Household and Carbon Footprint	Classroom243
	4-2 Adaption and Economic Impact	Seminar room1
	4-3 Climate Resilience and governance	Seminar room2
	4-4 Hybrid E: Sustainable Practices and Environmental Monitoring	International Conference Hall
	4-5 Hybrid F: Behavior and Decision-Making	Education Building Classroom 102
	4-6 ReTech Environmental Solutions x Water Resource Management and Industrial Ecology	Chou Hwai Pwu Hall
	4-7 Shin-Shen Sustainability Consulting Co. LTD x Sustainable Development and Energy Management	Classroom253
15:40-16:00	Break	

16:00-18:00	Parallel Session 5	
	5-1 Thematic Session: Decarbonization policy design and cooperation between ASEAN and Japan toward AZEC (Asia Zero Emission Community)	Chou Hwai Pwu Hall
	5-2 Sustainable Cities	Classroom243
	5-3 Hybrid G: Ecotourism and Conservation value	International Conference Hall
	5-4 Sustainable tourism and environmental practice	Classroom253
	5-5 Balancing Environmental Regulation, Public Health, and Sustainable Development: Insights from Global Case Studies	Education Building Classroom 102
18:10-18:30	Closing Remarks	International Conference Hall

Conference Program

August 26, 2024

8:30-9:00	Registration	Macronix Building, International Conference Hall
9:00-10:00	Opening Remarks & Ceremony	
10:00-12:00	Keynote Speech	
Chair	Jin-Li Hu	
	Economic Opportunities in Navigating the Energy Transition in the East Asia Region	
Speaker	Dr. Budy P. Resosudarmo	
	Designing Institutions and Policy Instruments for the Inevitable Negative Carbon Economy: A Call to Action	
Speaker	Dr. Daigee Shaw	
12:00-12:40	Lunch Break	
12:40-13:40	AAERE congress	
13:40-15:40	Parallel Session 1	Macronix Building
1-1	Net-Zero Emission	Classroom243
Session Chair	Shih-Mo Lin	Chung Yuan Christian University
1-1-1	Industry Efforts to Transition to Net-Zero: Economic Analysis of Mitigation Technology in Korean Steel and Cement Industries	
	Jeongeun Lee	Korea Environment Institute
	Jongwoo Moon	Korea Environment Institute
Discussant	Sumi Cho	The Center for Regional Development, Chonnam National University
1-1-2	Advancing Individual Net Zero Social Responsibility: An Electric Vehicle Case Study	
	Chien-Ming Lee	Institute of Natural Resources Management, National Taipei University
	Te-An Liu	Institute of Natural Resources Management, National Taipei University
Discussant	Dongsoon Lim	Donggeui University
1-1-3	How can green investments in emission-intensive industries help Taiwan transform to net zero by 2050?	
	Shih-Mo Lin	Chung Yuan Christian University
	Yu-Hsuan Fu	Institute of Economics, Academia Sinica
	Daigee Shaw	Institute of Economics, Academia Sinica
	Wen-Hsiu Huang	
Discussant	Jeongeun Lee	Korea Environment Institute
1-1-4	Modelling Structural Impacts of ZEV(Zero Emission Vehicle) Diffusion a in a Regional	

	Economy and Policy Implications	
	Dongsoon Lim	Donggeui University
Discussant	Chien-Ming Lee	Institute of Natural Resources Management, National Taipei University
1-1-5	Welfare effect on vertical integration under an asymmetric supply chain competition with emission tax	
	Sumi Cho	The Center for Regional Development, Chonnam National University
	Dong-Joon Lee	Faculty of Economics, Osaka Sangyo University
	Sang-Ho Lee	Graduate School of Economics, Chonnam National University
Discussant	Shih-Mo Lin	Chung Yuan Christian University
1-2 Regional	Cooperation and Policy	Classroom253
Session Chair	Soocheol Lee	Meijo Univeristy
1-2-1	Exploring the Impact of Representative Systems on Decision Making: An Experimental Study on the Tendency to Favor Options with High Probability but Small Impact	
	Ching-Yuan Kao	National Taiwan University
	Wei James Chen	National Taiwan University
Discussant	Wei-Lin Chen	Chung-Hua Institution for Economic Research
1-2-2	The repeated game analysis of international environmental agreement with technological cooperation	
	Peng Fenglim	Kyushu University
Discussant	Pasinee Dumrong	Faculty of Economics, Chiang Mai University
1-2-3	A Comparative Analysis of the Attitudes of Japanese, Chinese, and Korean Citizens Concerning the Release of Contaminated Water from Fukushima Nuclear Power Plants - Survey results from Tokyo, Seoul, and Beijing residents-	
	Soocheol Lee	Meijo Univeristy
	Yanmin He	Otemon Gakuin University
	Jongmin Choi	Seoul National University
	Kenichi Oshima	Ryukoku University
	Tae-Yeoun Lee	Ryukoku University
	Jusen Asuka	Tohoku University
	Weisheng Zhou	Ritsumeikan University
	Yongsung Cho	Korea University
	Hiroshi Yoshida	Tokyo University of Agriculture and Technology
	Tatsujiro Suzu ki	Nagasaki University
Discussant	Wei James Chen	National Taiwan University
1-2-4	Enhancing Collective Action: A Comparative Study of Online Versus Face-To-Face Team Activities in a Public Bad Game	

	Pasinee Dumrong	Faculty of Economics, Chiang Mai University
	Piyaluk Buddhawongsa	Center of Human Resource and Public Health Economics, Faculty of Economics, Chiang Mai University
	Supanika	Center of Human Resource and Public Health Economics, Faculty of Economics, Chiang Mai University
	Leurcharusmee	Faculty of Economics, Chiang Mai University
	Tatcha Sudtasan	Faculty of Economics, Chiang Mai University
Discussant	Peng Fenglim	Kyushu University
1-2-5	Research on the Pathway to Net-Zero Transformation in the Transportation Vehicle Manufacturing Sector: A Case Study of Taiwan	
	Wei-Lin Chen	Chung-Hua Institution for Economic Research
	Chieh -Han Teng	Chung-Hua Institution for Economic Research
	I-Hua Wei	Chung-Hua Institution for Economic Research
Discussant	Soocheol Lee	Meijo Univeristy
1-3 Energy Transition		Seminar room1
Session Chair	Kiyoshi Fujikawa	Aichi Gakuin University
1-3-1	A review of dynamic changes for the energy transition toward the distributed energy resource-based electrical system	
	Yi-Yang Wang	Global Environmental Studies, Kyoto University
	Akihisa Mori	Global Environmental Studies, Kyoto University
Discussant	Zhiwei Jin	Graduate School of Economics, Ritsumeikan University
1-3-2	Impacts of the energy mix shift of power sector on the economy and CO2 emissions in China	
	Hikari Ban	Kobe Gakuin University
	Kiyoshi Fujikawa	Aichi Gakuin University
Discussant	Hsuan-Yu Chang	Chung-Hua Institution for Economic Research
1-3-3	Green Justice: Examining the Influence of Environmental Courts on Firm-level Carbon Emissions	
	Zhiwei Jin	Graduate School of Economics, Ritsumeikan University
Discussant	Yi-Yang Wang	Global Environmental Studies, Kyoto University
1-3-4	Comprehensive national accounting for carbon emissions	
	Geir B. Asheim	University of Oslo, Norway
	Rintaro Yamaguchi	National Institute for Environmental Studies
Discussant	Kiyoshi Fujikawa	Aichi Gakuin University
1-4 Public Preferences and Social Effects		Seminar room2
Session Chair	Katsuhito Nohara	Rikkyo University
1-4-1	Local Citizens' Preferences for Offshore Wind Turbine Projects: An Empirical Evidence from Four Prospective Prefectures in Japan	
	Shinsuke Kyoi	Yamagata University

	Kengo Iwata	Tottori University of Environmental Studies
	Yoshiaki Ushifusa	Faculty of Economics and Business Administration
Discussant	Katsuhito Nohara	Rikkyo University
1-4-2	Economic Valuation of the Preparedness for Power Outages in Japan: The Willingness to Pay for Storage Batteries	
	Katsuhito Nohara	Rikkyo University
	Akira Hibiki	Policy Design Lab. and Graduate School of Economics and Management
Discussant	Chun-Chiang Feng	Chung-Hua Institution for Economic Research
1-4-3	Pathways of Green Technology Progress and 2050 Net-Zero Transitions: A Case Study of Taiwan	
	Chun-Chiang Feng	Chung-Hua Institution for Economic Research
	Tsung-Chen Lee	National Taipei University
	Jin-Xu Lin	National Taipei University Taiwan
	Kuei-Feng Chang	Chung Yuan Christian University
	Shih-Mo Lin	Chung Yuan Christian University
Discussant	Shinsuke Kyoi	Yamagata University
Sponsored Session		
1-5 Hybrid A:	Agricultural Water Resources Management and Adaptation to Climate Change (A&A): Water Resource Management and Climate Change	International Conference Hall
Session Chair	Ya-Wen Chiueh	Department of Environmental and Cultural Resources, National Tsing Hua University
	Weaving a Sustainable Future through Water: Regional Circular and Ecological Spheres and Nexus Communication in Japan	
Keynote Speaker	Osamu Soda	Senior Dean and Professor, Faculty of Social Sciences, Waseda University
Session Chair	Osamu Soda	Waseda University
1-5-1	Willingness-to-Pay for Water Resource Risk Adaptation under Climate Change in Taiwan	
	Ya-Wen Chiueh	Department of Environmental and Cultural Resources, National Tsing Hua University
	Pei-Shan Liao	Researcher, Academia Sinica, Taiwan
	Shuchen Ou	Research Assistant, Academia Sinica, Taiwan
Discussant	Che You Liu	Department of Bioenvironmental Systems Engineering, National Taiwan University
1-5-2	Adaptive-oriented framework for communication between government, public and enterprise in water depletion issue	
	Che You Liu	Department of Bioenvironmental Systems Engineering,

		National Taiwan University
	Shao Yiu Hsu	Department of Bioenvironmental Systems Engineering, National Taiwan University
	Qun Zhan Huang	Department of Bioenvironmental Systems Engineering, National Taiwan University
Discussant	Voravee Saengavut	Faculty of Economics, Khon Kaen University
1-5-3	Estimating the alternative sources under the impact of climate change on water use by using computational hydrological model	
	Tsu-Chuan Lee	Taiwan International Institute for Water Education
Discussant	Ya-Wen Chiueh	Department of Environmental and Cultural Resources, National Tsing Hua University
1-5-4	Investigating the Nexus of Water Resource Management, Extreme Events, and Population Displacement in Thailand	
	◦ Voravee Saengavut	Faculty of Economics, Khon Kaen University
	Fawanee Jehpor	Faculty of Economics, Khon Kaen University
	Federico Revelli	Department of Economics and Statistics, University of Torino
Discussant	Tsu-Chuan Lee	Taiwan International Institute for Water Education
1-6 Hybrid B: Advancing Sustainable Practices: Integrating Environmental Services, Renewable Energy, and Corporate Carbon Management		
		Education Building Classroom 102 (Click here for Online)
Session Chair (online)	Lishu Ouyang	Department of economics, Chinese Culture University
1-6-1	Towards Sustainable Agriculture: Implementing a Market for Payments for Environmental Services in Agri-Food Systems	
	Serge Garcia	INRAE, Université de Lorraine, AgroParisTech
	Arnaud Dragicevic	Chulalongkorn University
	Jean-Christophe Pereau	University of Bordeaux
Discussant	Chih-Chen Liu	National University of Kaohsiung
1-6-2	Air Pollution and Solar Photovoltaic Power Generation: Evidence from South Korea	
	Moon Joon Kim	George Mason University Korea
Discussant	Arnaud Dragicevic	Chulalongkorn University
1-6-3	Catalysts for Business Low-Carbon Transition: Determinants of Internal Carbon Pricing for Corporate Carbon Management	
	Yu-Chieh Tseng	Chung-Hua Institution for Economic Research
	Chun-Yen Wu	Chung-Hua Institution for Economic Research
	Shihfang Lo	Chung-Hua Institution for Economic Research
-Discussant	Moon Joon Kim	George Mason University Korea
1-6-4	Strategic Environmental Corporate Social Responsibility under Passive Partial Cross-Ownership	

	Chih-Chen Liu	National University of Kaohsiung
Discussant	Yu-Chieh Tseng	Chung-Hua Institution for Economic Research
15:40-16:00	Break	
16:00-18:00	Parallel Session 2	Macronix Building
2-1	Carbon Emissions and Energy Management	Classroom243
Session Chair	Je-Liang Liou	Chung-Hua Institution for Economic Research
2-1-1	Analysis of embodied carbon emission pathway and discussing of driving factors in Taiwan	
	Tsung-Hsien Tsai	Institute of Natural Resources Management, National Taipei University
	Jin-Xu Lin	Professor, Institute of Natural Resources Management, National Taipei University
	Hsin-Ying Lu	Institute of Natural Resources Management, National Taipei University
	Yi-Hsuan Yeh	Institute of Natural Resources Management, National Taipei University
Discussant	Dong Hee Suh	Korea University
2-1-2	Does carbon emission trading scheme improve the carbon emission efficiency in China? An application of stochastic frontier approach	
	Satoshi Honma	Tokai University
	Jin-Li Hu	National Yang Ming Chiao Tung University
	Zhang Dianzheng	Tokai University
Discussant	Dong Hee Suh	Korea University
2-1-3	Do We Truly Benefit from the Policy of Private Transports Electrification? Evidence from the Change of GHG Emissions and Air Pollutions in Taiwan	
	Han-Hui Chen	Department of Land Economics, National Chengchi University
	Je-Liang Liou	Chung-Hua Institution for Economic Research
	Ta-Ken Huang	Department of Water Resources and Environmental Engineering, Tamkang University
	Pei-Ing Wu	Department of Agricultural Economics, National Taiwan University
Discussant	Tsung-Hsien Tsai	Institute of Natural Resources Management, National Taipei University
2-1-4	Price Transmission of Palm Oil to Diesel under the Renewable Fuel Standard	
	Joonsung Whangbo	Korea University
	Dong Hee Suh	Korea University
Discussant	Jin-Li Hu	National Yang Ming Chiao Tung University
2-1-5	Exploring Price Interactions between Carbon Emission Allowance and Renewable Energy Certificate Markets	

	Suyeon Kwon	Korea University
	Dong Hee Suh	Korea University
Discussant	Je-Liang Liou	Chung-Hua Institution for Economic Research
2-2 Environmental Policy		Classroom253
Session Chair	Ruey Yau	Department of Economics, National Central University
2-2-1	Identifying leakage of incomplete environmental regulation: Evidence from Japanese plastic bag fee	
	Kai Nomura	Yamanashi Eiwa College
	Masashi Yamamoto	Kanagawa University
	Daisuke Ichinose	Rikkyo University
	Kenji Takeuchi	Kyoto University
	Jun Nakatani	The University of Tokyo
Discussant	Akiko Uramaki	Graduate School of Economics, Kyoto University
2-2-2	Performance Evaluation on Government Grants for Local Environmental Sector Projects in Korea	
	Sung-Won Kang	Director of Division for Green Transition, Korea Environment Institute
	Je-Yeong Jeong	Seoul National University
	Oh-Sang Kwon	Seoul National University
Discussant	Chih-Chen Liu	National University of Kaohsiung
2-2-3	Environmental Policy and Welfare in a Small Open Economy	
	Ruey Yau	Department of Economics, National Central University
Discussant	Masashi Yamamoto	Kanagawa University
2-2-4	How can Vietnam upgrade its transmission grid system to absorb renewable energy?	
	Akiko Urakami	Graduate School of Economics, Kyoto University
Discussant	Ruey Yau	Department of Economics, National Central University
2-3 Hybrid C: Regional Cooperation and Environmental Policy		International Conference Hall
Session Chair	Suyi Kim	College of Business Management, Hongik University, Republic of Korea
2-3-1	Factor decomposition analysis of electricity consumption in Korean manufacturing industry	
	Suyi Kim	College of Business Management, Hongik University, Republic of Korea
Discussant	Qu Jingyu	Chonnam National University
2-3-2	The Net-Zero Finance and Energy Transitions: The Case of JETP	
	Akihisa Mori	Kyoto University
	Nur Firdaus	Kyoto University and BRIN
Discussant	Zengbao Hu	University of Nottingham Ningbo China

2-3-3	Carbon-Contract-for-Difference(Ccfd) and Green Transition of Coal Power under Dual Price Uncertainties - Real Option Approach	
	Qu Jingyu	Chonnam National University
	Jeon Wooyoung	Chonnam National University
Discussant	Javier López Prol	Yonsei University – Mirae
2-3-4	The Impact of Political Cycles on Chinese Local Governments' Environmental Expenditure	
	Zengbao Hu	University of Nottingham Ningbo China
	Xiaoyu Zhang	University of Nottingham Ningbo China
	Stuart McDonald	School of Economics, University of Nottingham Ningbo China
Discussant	Suyi Kim	College of Business Management, Hongik University, Republic of Korea
2-3-5	Local economic impacts of wind power capacity	
	Javier López Prol	Yonsei University – Mirae
Discussant	Akihisa Mori	Kyoto University
2-4 Climate Resilience		Seminar room 1
Session Chair	Lishu Ouyang	Department of economics, Chinese Culture University
2-4-1	The impact of e-commerce on the environment in Vietnam	
	Pham Thi Ha	CMC University
2-4-2	Environmental and economic impact analysis of levying VOCs environmental protection tax in China	
	Ruoxi Pan	School of Ecology & Environment, Renmin University of China
	Jian Wu	School of Ecology & Environment
2-4-3	Analysis of the Effect of Environmental Tax and Fee Reform on Corporate Green Investment Based on Differential Local Tax Rates	
	Ruoxi Pan	School of Ecology & Environment
	Jian Wu	School of Ecology & Environment
Sponsored Session		
2-5 Agricultural Water Resources Management and Adaptation to Climate Change (A&A): Climate Change and Agriculture Navigating Environmental Challenges		Chou Hwai Pwu Hall
Session Chair	Wan-Jiun Chen	Institute of Natural Resources Management, National Taipei University
2-5-1	Effectiveness of nudge in reducing methane emissions from agriculture	
	Shengyi Du	Graduate School of Economics, Shiga University
	Katsuya Tanaka	Faculty of Economics/Research Center for Sustainability and Environment, Shiga University
Discussant	Kohsuan Chang	Chung-Hua Institution for Economic Research
2-5-2	Economic viability of agro-eco leisure transformation to adapt to climate change in a fragile	

	watershed	
	Wan-Jiun Chen	Institute of Natural Resources Management, National Taipei University
	Shyue-Cherng Liaw	Department of Geography, National Taiwan Normal University
Discussant	Hinako Yano	Graduate School of Agriculture, Kyoto University
2-5-3	Hog production and Surface Water Quality: Evidence from the Foot-and-Mouth Disease Outbreak in Taiwan	
	Feng-An Yang	Department of Agricultural Economics, National Taiwan University
	Chen Ti Chen	Department of Agricultural, Environmental, and Development Economics, Ohio State University
	Yau Huo (Jimmy) Shr	Department of Agricultural Economics, National Taiwan University
Discussant	Shengyi Du	Graduate School of Economics, Shiga University
2-5-4	The Potential of Nudges for Inactive Forest Owners: A Survey Experiment with Private Forest Owners in Japan	
	Hinako Yano	Graduate School of Agriculture, Kyoto University
	Yohei Mitani	Graduate School of Agriculture, Kyoto University
Discussant	Wan-Jiun Chen	Institute of Natural Resources Management, National Taipei University
2-5-5	Main Drivers, Barriers, and Contribution of Company Participation in Global Climate Initiatives: A Study of Taiwan's Information Technology Industry	
	Kohsuan Chang	Chung-Hua Institution for Economic Research
	Pei Yi Sue	Chung-Hua Institution for Economic Research
	Shihfang Lo	Chung-Hua Institution for Economic Research
Discussant	Feng-An Yang	Department of Agricultural Economics, National Taiwan University
18:30-20:00	Gala Dinner	Amazing hall Yufeng

Conference Program

August 27, 2024

8:30-9:00	Registration	Macronix Building
9:00-10:00	Keynote Speech (online)	International Conference Hall
	Integrating Environ-Economic Analysis into Policy Making for Sustainable Air Quality Management: Cases from China	
Speaker	Dr. Shiqiu Zhang	Peking University (online)
10:00-12:00	Parallel Session 3	Macronix Building
3-1	Carbon Pricing	Classroom243
Session Chair	Ming-Chung Chang	Institute of Business Intelligence and Innovation, Chihlee University of Technology
3-1-1	Feed-in-Tariff backfires: implicit carbon pricing and inter-fuel substitution in manufacturing	
	Aline Mortha	Waseda University
	Toshi H. Arimura	Waseda University
Discussant	Jin-Li Hu	National Yang Ming Chiao Tung University
3-1-2	Corporate Sustainability under Digital Transformation: Evidence from Taiwan's Enterprises	
	Po-Sheng Yang	National Yang Ming Chiao Tung University
	Jin-Li Hu	National Yang Ming Chiao Tung University
Discussant	Aline Mortha	Waseda University
3-1-3	The Distributional Effects of Carbon Pricing and the Implications for Vulnerable Households in Taiwan	
	Daigee Shaw	Institute of Economics, Academia Sinica
	Yu-Hsuan Fu	Institute of Economics, Academia Sinica
	Yu-Ting Hsu	Department of Economics, National Chengchi University
	Wen-Hsiu Huang	Department of Public Finance, Feng Chia University
	Shih-Mo Lin	PhD program in Business, Chung Yuan Christian University
Discussant	Aline Mortha	Waseda University
3-1-4	Circular economy spatial analysis for searching the learning peers	
	Ming-Chung Chang	Institute of Business Intelligence and Innovation, Chihlee University of Technology
Discussant	Hsuan-Yu Chang	Chung-Hua Institution for Economic Research
3-1-5	Does Organic Farming Enhance Soil Organic Carbon Sequestration?	
	Chia-Chi Chang	National Chung Hsing University
	Wan-Yu Liu	Department of Forestry, National Chung Hsing University
Discussant	Ming-Chung Chang	Institute of Business Intelligence and Innovation, Chihlee

3-2 Green Energy Innovations and Environmental Impact		Seminar room1
Session Chair	Yongsung Cho	Korea University
3-2-1	Using Nudges to Improve Energy Saving – Evidence from Taiwan Households	
	Yue-Rong Hong	Department of Information Management, National Taiwan University of Science and Technology
	Chien-Ming Lee	Institute of Natural Resource Management, National Taipei University
	Tsai-Chi Kuo	Department of Natural Sciences and Sustainable Development, National Taiwan University of Science and Technology
	Xuan-Yi Li	Institute of Natural Resource Management, National Taipei University
Discussant	Yongsung Cho	Korea University
3-2-2	Assessment of the Potential of Green Energy Innovation - A Case Study of Negative Emissions Technology BIGFC with CCS	
	Cheng-Da Yuan	National Atomic Research Institute
	Wei Chen Liao	National Atomic Research Institute
	Hui Chih Chai	National Atomic Research Institute
Discussant	Chien-Ming Lee	Institute of Natural Resource Management, National Taipei University
3-2-3	Analysis of Environmental Effects of subsidizing policy on natural gas vehicles in Korea	
	Heechan Kang	Department of Economics in Incheon national university
Discussant	Chien-Ming Lee	Institute of Natural Resource Management, National Taipei University
3-2-4	Drivers of CO2 emissions and role of renewables in power generation in Korea and Japan using decomposition analysis	
	Yongsung Cho	Korea University
	Soocheol Lee	Meijo University
Discussant	Cheng-Da Yuan	National Atomic Research Institute
3-2-5	Plastic Recycling Policy in China and the Waste Plastic Trade	
	Tadashi Hayashu	The University of Shiga Prefecture
Discussant	Heechan Kang	Department of Economics in Incheon national university
3-3 Climate change and green industry		Seminar room2
Session Chair	Yu-Lan Chien	Institute of Natural Resources Management, National Taipei University
3-3-1	Applying the Modern Portfolio Theory to Investigate Taiwan's Power Mix Decision	
	Yu-Lan Chien	Institute of Natural Resources Management, National Taipei University

		University
	Tong-Kai Chen	Taiwan Power Company
	Jong-Shun Chen	Chung-Hua Institute for Economic Research
Discussant	Tsung-Yu Yang	Department of Fisheries Technology and Management, National Kaohsiung University of Science and Technology
3-3-2	The Impact of Climate Change on Agricultural Yield and the Effectiveness of Adaptation Strategies in Vietnam	
	Huiwon Yong	Department of Agricultural Economics and Rural Development, Seoul National University
	Oh-Sang Kwon	Department of Agricultural Economics and Rural Development, and Integrated Major in Global Smart Farm, Seoul National University
Discussant	Chin-Wen Yang	Chung-Hua Institute for Economic Research
3-3-3	The Climate Change Risk Perception for Grouper Aquaculture Industry in Taiwan	
	Tsung-Yu Yang	Department of Fisheries Technology and Management, National Kaohsiung University of Science and Technology
	Ann-Chang Cheng	Department of Aquaculture, National Kaohsiung University of Science and Technology
	Hsiang-Chieh Chuang	Department of Aquaculture, National Kaohsiung University of Science and Technology
	Tien-Thinkh Nguyen	Department of Fisheries Technology and Management, National Kaohsiung University of Science and Technology
Discussant	Yu-Lan Chien	Institute of Natural Resources Management, National Taipei University
3-3-4	Taiwan's Strategy for Carbon Offset Implementation in the Aviation Industry	
	Chung-Han Yang	Department of Environmental and Cultural Resources, National Tsing Hua University
	Chiao-Wei Lin	Department of Environmental and Cultural Resources, National Tsing Hua University
Discussant	Oh-Sang Kwon	Department of Agricultural Economics and Rural Development, and Integrated Major in Global Smart Farm, Seoul National University
3-3-5	Is broader trading welfare improving for tradable performance standards?	
	Xianling Long	National School of Development, Peking University
	Nicolas Astiery	Paris School of Economics, Ecole des Ponts
	Da Zhangz	Institute of Energy, Environment and Economy, Tsinghua University
Discussant	Tsung-Yu Yang	Department of Fisheries Technology and Management, National

3-4 Public Resources and Services

Education Building Classroom 102

Session Chair	Yen-Lien Kuo	Department of Economics, National Cheng Kung University
3-4-1	A Simulation Study of Island Ecotourism Development Based on DPSIRM and SD Models: A Case Study of Amami-Oshima Island	
	Yining Wang	Graduate School of Fisheries and Environmental Sciences, Nagasaki University
	Aiko Endo	Graduate School of Fisheries and Environmental Sciences, Nagasaki University
3-4-2	Restoration Potential of Urban Sustainable Tourism Destinations: Objective Greenness and Tourist Perceptions (Study Case Taman Impian Jaya Ancol, Theme Park in Jakarta, Capital City of Indonesia)	
	Anisa Rintayani	SIL Universitas Indonesia
3-4-3	What Drives Respondents to Explore the Survey? Reconciling Satellite Imagery in the Survey with Respondents' Decision in Choice Modeling	
	Zhenyu Yao	Shenzhen MSU-BIT University
3-4-4	Hidden dangers below: Unravelling the health costs of arsenic-contaminated groundwater in Bihar	
	Sushil Kumar	INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
	Diptimayee Nayak	INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

3-5 Hybrid D: WCEREA Special Session

Forest as a Carbon Sink--Climate Change, Land-Use, and Biodiversity: Economic Perspectives

International Conference Hall

Session Chair	Dr. Wan-Yu Liu	Department of Forestry, National Chung Hsing University
	Dr. Yowhan Son	Division of Environmental Science and Ecological Engineering, Korea University
	Dr. Ken-Ichi Akao	School of Social Sciences, Waseda University
(online)	Dr. Yazhen Gong	Renmin University of China
(online)	Dr. Ida Aju Pradnja Resosudarmo	Fenner School of Environment & Society, Australian National University

Sponsored Session

3-6 Agricultural Water Resources Management and Adaptation to Climate Change (A&A): Environmental Policies and Legislation

Chou Hwai Pwu Hall

Session Chair	Chung-Huang Huang	Department Economics, National Tsing Hua University
3-6-1	Refining Environmental Trust Legislation: An Analytical Amendment	
	Yu-Heng Lin	National Taiwan University Center for Weather and Climate Disaster Research
	Ya-Wen Chiueh	National Tsing Hua University

	Chung Han Yang	National Tsing Hua University
Discussant	Soonyoung Kim	Seoul National University
3-6-2	Testing efficiency of environmental grants of Korea	
	Sung Won Kang	Korea Environment Institute
	Hyunsuk Kong	Korea Environment Institute
Discussant	Chin-Rung Cheng	Institute of Law for Science and Technology at National Tsing Hua University
3-6-3	The Impact of a Unilateral Environmental Policy on Growth in International Trade	
	Qijie Xu	Nagoya University
	Minoru Nakada	Nagoya University
Discussant	Chung Han Yang	Department of Environmental and Cultural Resources, National Tsing Hua University
3-6-4	Classification of Income from Carbon Right Transactions and its Influence on the Application of Income Tax Treaties	
	Chin-Rung Cheng	Institute of Law for Science and Technology at National Tsing Hua University
	Chien-Te Fan	Institute of Law for Science and Technology at National Tsing Hua University
Discussant	Sung Won Kang	Korea Environment Institute
3-6-5	What determines Happiness in a household? A sustainable cities and communities perspective (SDG11)	
	Soonyoung Kim	Seoul National University
	Mirang Gang	Seoul National University
	Jong-ho Hong	Seoul National University
Discussant	Qijie Xu	Nagoya University
12:00-12:40	Lunch Break	
12:40-13:40	BOD Meeting 2	Education Building
13:40-15:40	Parallel Session 4	Macronix Building
4-1 Household and Carbon Footprint	Classroom243	
Session Chair	Eiji Sawada	Kyushu Sangyo University
4-1-1	Environmental Conservation and Tourism in Rural Areas: A Case Study of Public Private Partnership in Miyama-cho, Nantan City, Kyoto, Japan	
	Muneto Kazaoka	Ryukoku University
	Yoshinori Sumiya	Momoyama Gakuin University
Discussant	Yen-Lien Kuo	Department of Economics, National Cheng Kung University
4-1-2	Contributions of Surrounding Nature to Household Health Expenditure: Empirical Evidence from Japan	

	Kei Kabaya	Chuo University
Discussant	Eiji Sawada	Kyushu Sangyo University
4-1-3	Household Income and Carbon Footprint: Evidence from Taiwan	
	Yen-Lien Kuo	Department of Economics, National Cheng Kung University
	Ya-Ming Liu	Department of Economics, National Cheng Kung University
	Ching-Wen Yang	Department of Economics, National Cheng Kung University
Discussant	Muneto Kazaoka	Ryukoku University
4-1-4	Damage-based non-point source pollution policies with a relative evaluation of self-reporting	
	Eiji Sawada	Kyushu Sangyo University
	Takayoshi Shinkuma	Kansai University
	Akira Hibiki	Tohoku University
Reviewer	Kei Kabaya	Chuo University
4-1-5	The impact of natural disasters on household income vulnerability: Use the 921 Earthquake in Taiwan as a natural experiment	
	Fu-Min Tseng	National Chung Cheng University
Discussant	Yen-Lien Kuo	Department of Economics, National Cheng Kung University
4-2 Adaption and Economic Impact		Seminar room1
Session Chair	Nir Becker	Tel-Hai College
4-2-1	Productivity and Environmental Efficiency in the Power Generation Sector under the Emissions Trading Scheme	
	Minhye Oh	Department of Food and Resource Economics, Korea University
	Dong Hee Suh	Department of Food and Resource Economics, Korea University
Discussant	Nir Becker	Tel-Hai College
4-2-2	The Impacts of Differentiated Carbon Taxes on Carbon Emission and Economic Development: The Case of Taiwan	
	Wen-Hsiu Huang	Department of Public Finance, Feng Chia University
	Hung-Lin Yeh	Department of Public Finance, Feng Chia University
Discussant	Nir Becker	Tel-Hai College
4-2-3	Is aquaponics good for the environment? For the consumers? For the Producers? A road map to analyze sustainable food production and consumption.	
	Nir Becker	Tel-Hai College
Discussant	Kuo-Feng Wu	National Taipei University of Business
4-2-4	Evaluating the Impact of Educational Subsidies for Disadvantaged Students on Operational Efficiency in Taiwanese National Universities	
	Kuo-Feng Wu	National Taipei University of Business

	Jin-Li Hu	Institute of Business and Management, College of Management, National Yang Ming Chiao Tung University
Discussant	Wen-Hsiu Huang	Department of Public Finance, Feng Chia University
4-2-5	Environmental performance and capital markets: Evidence from India	
	Shreekant Gupta	LKY School of Public Policy, National University of Singapore
Discussant	Nir Becker	Tel-Hai College
4-3 Climate Resilience and governance		Seminar room2
Session Chair	Tsung-Yu Yang	Department of Fisheries Technology and Management, National Kaohsiung University of Science and Technology
4-3-1	Climate Change, Environment-Friendly Aquaculture and Strategic Aquaculture Plans: A Case Study of Taiwan's Clam Industry	
	Tsung-Yu Yang	Department of Fisheries Technology and Management, National Kaohsiung University of Science and Technology
	Ann-Chang Cheng	Department of Aquaculture, National Kaohsiung University of Science and Technology
	Hsiang-Chieh Chuang	Department of Aquaculture, National Kaohsiung University of Science and Technology
	Tien-Think Nguyen	Department of Fisheries Technology and Management, National Kaohsiung University of Science and Technology
Discussant	Hyuna Kim	The University of Seoul
4-3-2	Regional Disparity in Global Food Crisis from Asian Perspective	
	Kenichi Imai	Osaka University of Economics and Law
Discussant	Jinhee Han	Dept. of Public Administration, Ewha Womans University
4-3-3	Assessing Long-Term Indirect Flood Damages Across Industries in Korea	
	Hyuna Kim	Department of Smart Cities, University of Seoul
	Jonghyun Yoo	Department of Urban Planning and Design, University of Seoul
Discussant	Tsung-Yu Yang	Department of Fisheries Technology and Management, National Kaohsiung University of Science and Technology
4-3-4	The Role of Green Infrastructure in Enhancing Flood Resilience: A Spatial Perspective	
	Jinhee Han	Dept. of Public Administration, Ewha Womans University
	Yoomi Kim	Dept. of Public Administration, Ewha Womans University
Discussant	Kenichi Imai	Osaka University of Economics and Law
4-4 Hybrid E: Sustainable Practices and Environmental Monitoring		International Conference Hall
Session Chair	Liyun Zhang	University of Birmingham
4-4-1	Effects of social background on the results of randomized and controlled trials: A	

review of energy saving experiments

Kato Takaaki The University of Kitakyushu

Ushifusa Yoshiaki The University of Kitakyushu

Ishihara Takunori Kyoto University of Advanced Science

Discussant Xuan Ling Department of Economics, Yonsei Mirae

4-4-2 Non-Market Valuation of Eutrophication Improvement in the South Lake of Wuhan—A Benefit-Transfer Approach Based on Meta-Analysis

Jingna Zhang Division of Natural Resource Economics, Kyoto University

Discussant Shilei Zhou Graduate School of Economics, Kyushu University

4-4-3 Natural Disaster and Herders' Mental Health

Dongqing Li School of Economics and Management, Beijing Forestry University

Alec Zuo The University of Adelaide

Lingling Hou China Centre for Agricultural Policy, Peking University

Discussant Kato Takaaki The University of Kitakyushu

4-4-4 International Environmental Agreements with the Free Trade *Climate Club —Analysis Based on Repeated Games—

Shilei Zhou Graduate School of Economics, Kyushu University

Toshiyuki Fujita Faculty of Economics, Kyushu University

Discussant Jingna Zhang Division of Natural Resource Economics, Kyoto University

4-4-5 Empirical study on energy conservation behavior: the role of the Power-Saving Reward Program

Xinyue Yang Graduate School of Economics, Waseda University

Toshi H. Arimura Graduate School of Economics, Waseda University

Mariko Kiho Tokyo Electric Power Company Holdings

Yoshinobu Kawahara Tokyo Electric Power Company Holdings

Discussant Alec Zuo The University of Adelaide

4-4-6 Effect of offshore wind farm on fishery catches: evidence from Portugal

Xuan Ling Department of Economics, Yonsei Mirae

Javier Lopez Prol Department of Economics, Yonsei Mirae

Discussant Xinyue Yang Graduate School of Economics, Waseda University

4-5 Hybrid F: Behavior and Decision-Making

Education Building Classroom 102

[\(Click here for Online\)](#)

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

4-5-1 An empirical analysis of optimal energy storage system capacity for Renewable Energy supply: a case study of the European Union

Kung-Mien Ma National Taipei University

Chien-Ming Lee National Taipei University

Discussant	Perna Thapliyal	Department of Humanities and Social Sciences, Indian Institute of Technology Roorkee
4-5-2	Who Is More Susceptible to Cumulative Heat Exposure? Evidence from Nationwide Exams in Japan	
	Mika Akesaka	Kobe University
	Hitoshi Shigeoka	The University of Tokyo, Simon Fraser University
Discussant	Chien-Ming Lee	National Taipei University
4-5-3	Emission-Adjusted Productivity and its determinants: Evidence from India	
	Perna Thapliyal	Department of Humanities and Social Sciences, Indian Institute of Technology Roorkee
	Rachita Gulati	Department of Humanities and Social Sciences, Indian Institute of Technology Roorkee
	D.K. Nauriyal	Department of Humanities and Social Sciences, Indian Institute of Technology Roorkee
Discussant	Mika Akesaka	Kobe University
4-5-4	Low-carbon lifestyle transformation in Thailand: current hotspots and alternatives	
	Pasicha Chaikaew	Department of Environmental Science, Faculty of Science, Chulalongkorn University
	Pongsun Bunditsakulchai	Faculty of Engineering, Chulalongkorn University
	Harin Sachdev	Faculty of Environment and Resource Studies, Mahidol University
	Chantana Udom	General Management Program, Faculty of Management Science, Pranakhon Rajabhat University
	Sittidaj Pongkijvorasin	Faculty of Economics, Chulalongkorn University
4-5-5	Urbanization and Air Pollution: Evidence from Administrative District Realignments in China	
	Zhenyu Yao	Faculty of Economics, Shenzhen MSU-BIT University
4-5-6	Macroeconomic impact of carbon neutrality through carbon market linkage between Korea, China and Japan	
	Sunhee SUK	Nagasaki University
	B. Kiss-Dorbronyi	World Bank
	Z. Chen	Graduate School of Fisheries and Environmental Sciences
	T. Morotomi	Kyoto University
Discussant	Je-Liang Liou	Chung-Hua Institution for Economic Research

Sponsored Session

4-6 ReTech Environmental Solutions x Water Resource Management and Industrial Ecology

Chou Hwai Pwu Hall

Session Chair	Jin-Li Hu	Institute of Business and Management, National Yang Ming Chiao Tung University
4-6-1	Climate Change Perceptions and the Support of Coping Policies: Insights from Rural Communities in Taiwan	
	Min-Han Tsai	Department of Agricultural Economics, National Taiwan University
	Yir-Hueih Luh	Department of Agricultural Economics, National Taiwan University
Discussant	Jin-Li Hu	Institute of Business and Management, National Yang Ming Chiao Tung University
4-6-2	A new recycling model for reclamation of waste hydrofluoric acid from the semiconductor industry into cryolite	
	Tsung-Lung Lu	ReTech Environmental Solutions
	Neng-Chou Shang	ReTech Environmental Solutions
	Yueh-Nu Chen	ReTech Environmental Solutions
	Yu-Min Chung	ReTech Environmental Solutions
	Cheng-Yu Lai	ReTech Environmental Solutions
Discussant	Yau-Huo (Jimmy) Shr	National Taiwan University
4-6-3	Analysis of the semiconductor Industry Reclaimed Water Demand in Taiwan	
	Yi-Ju Huang	Department of Environmental and Cultural Resources, National Tsing Hua University
	Ya-Wen Chiueh	Department of Environmental and Cultural Resources, National Tsing Hua University
Discussant	Neng-Chou Shang	ReTech Environmental Solutions
4-6-4	Metafrontier Electricity and Water Efficiencies of Vietnamese Enterprises	
	Nih Ha Bao Bui	Institute of Business and Management, National Yang Ming Chiao Tung University
	Jin-Li Hu	Institute of Business and Management, National Yang Ming Chiao Tung University
Discussant	Yau-Huo (Jimmy) Shr	National Taiwan University
4-6-5	Temperature and Risky Road Behaviors	
	Hsing-Tzu Liao	National Taiwan University
	Yau-Huo (Jimmy) Shr	National Taiwan University
	Feng-An Yang	National Taiwan University
Discussant	Ya-Wen Chiueh	Department of Environmental and Cultural Resources, National Tsing Hua University
4-7 Shin-Shen Sustainability Consulting Co. LTD x Sustainable Development and Energy Management		Classroom253

Session Chair	Wan-Yu Liu	Department of Forestry, National Chung Hsing University
4-7-1	Ecological Soil Practices in Taiwan's Tea Cultivation: Towards a Sustainable Agricultural Future	
	Wen-Hung Huang	National Taiwan University
	Cheng-Che Liu	Shin-Shen Sustainability Consulting Co. LTD
Discussant	Chih-Lin Liu	Department of Forestry, National Chung Hsing University
4-7-2	Wet Weather, Moody Minds: Exploring the Impact of Precipitation on Mental Health in Taiwan	
	Yi-Ning Fu	Department of Agricultural Economics, National Taiwan University
	Yau-Huo Shr	Department of Agricultural Economics, National Taiwan University
	Feng An Yang	Department of Agricultural Economics, National Taiwan University
Discussant	Jiwon Im	Graduate School of Environmental Studies, Seoul National University
4-7-3	Surface Ozone Concentration yet to Decrease but has Special Clean Air Act for Seoul Metropolitan Area Really Failed? - Applying A Machine Learning and Synthetic Control Approach -	
	◦ Yoojung Jang	Graduate School of Environmental Studies, Seoul National University
	Soon Young Kim	Graduate School of Environmental Studies, Seoul National University
	Jiwon Im	Graduate School of Environmental Studies, Seoul National University
	Jongho Hong	Graduate School of Environmental Studies, Seoul National University
Discussant	Cheng-Che Liu	Shin-Shen Sustainability Consulting Co. LTD
4-7-4	Assessing the Non-Market Benefits of Urban Trees in Taoyuan City of Taiwan	
	Chih-Lin Liu	Department of Forestry, National Chung Hsing University
	Wan-Yu Liu	Department of Forestry, National Chung Hsing University
Discussant	Yi-Ning Fu	Department of Agricultural Economics, National Taiwan University
4-7-5	Environmental Protection Tax and Labor Market	
	Juin-Jen Chang	Academia Sinica
	Jhy-Yuan Shieh	Soochow University
	Jhy-Hwa Chen	Tamkang University
	Meng-Ting Chen	Soochow University
	Jiakai Zhang	Department of Computer Science and Engineering, New Mexico Institute of Mining and Technology
Discussant	Wan-Yu Liu	Department of Forestry, National Chung Hsing University
15:40-16:00	Break	
16:00-18:00	Parallel Session 5	Macronix Building
5-1	Thematic Session: Decarbonization policy design and cooperation between ASEAN and Japan toward AZEC (Asia Zero Emission Community)	Chou Hwai Pwu Hall
Organizer	Shinya Kato	Yamaguchi University

Session Chair	Shinya Kato	Yamaguchi University
Discussant	Kiyoshi Fujikawa	Faculty of Economics, Aichi Gakuin University
5-1-1	Decarbonising the power sector toward carbon neutrality in the ASEAN countries	
	Pim Vercoulen	Cambridge Econometrics & University of Exeter
	Shinya Kato	Faculty of Economics, Yamaguchi University
	Jeongwon Kim	Energy Studies Institute, National University of Singapore
	Yongsung Cho	Department of Food and Resource Economics, Korea University
	Xu Han	Graduate School of Economics, Kyoto University
	Soocheol Lee	Faculty of Economics, Meijo University
Discussant	Kiyoshi Fujikawa	Faculty of Economics, Aichi Gakuin University
5-1-2	Collaborating Carbon Neutrality Efforts in ASEAN and Japan: A Feasibility Analysis of an ASEAN-Japan Joint Carbon Market and a Closer Look at the Asia Zero Emission Community (AZEC) Initiative	
	Unnada Chewprecha	World Bank
	◦ Shinya Kato	Faculty of Economics, Yamaguchi University
	Hector Pollitt	World Bank
	Jeongwon Kim	Energy Studies Institute, National University of Singapore
	Soocheol Lee	Faculty of Economics, Meijo University
Discussant	Kiyoshi Fujikawa	Faculty of Economics, Aichi Gakuin University
5-1-3	Decarbonization effects of technology transfer from Japan to ASEAN member countries	
	Shinya Kato	Yamaguchi University
	◦ Tsutomu Yoshioka	Toyo University
	Xu Han	Kyoto University
Discussant	Kiyoshi Fujikawa	Faculty of Economics, Aichi Gakuin University
5-2 Sustainable Cities		Classroom243
Session Chair	Tsung-Yu Yang	Department of Fisheries Technology and Management, National Kaohsiung University of Science and Technology
5-2-1	Implementing Seoul's Greenhouse Gas Management in Buildings: Insights from the ICE model	
	In Chang Hwang	The Seoul Institute
	Yoon-hye Yi	The Seoul Institute
	Hyun-jung Lee	The Seoul Institute
	Jong-rak Baek	The Seoul Institute
Discussant	Park, Inseok	Department of Economics, University of Seoul
5-2-2	Citizens' Preferences for Small Urban Green Infrastructure and Social Desirability Bias in Shenzhen, China	
	Yang Wang	Graduate School of Economics, Shiga University

	Katsuya Tanaka	Economics/Research Center for Sustainability and Environment, Shiga University
Discussant	Chang Lu	Graduate School of Economics, Shiga University
5-2-3	Exploring the Drivers of Citizen Participation in Green Infrastructure Maintenance: An Empirical Analysis for Portland	
	◦ Chang Lu	Graduate School of Economics, Shiga University
	Katsuya Tanaka	Faculty of Economics/Research Center for Sustainability and Environment, Shiga University
	Nicholas Mc Cullar	Bureau of Environmental Services, The City of Portland
	Nishant Parulekar	Bureau of Environmental Services, The City of Portland
Discussant	Yang Wang	Graduate School of Economics, Shiga University
5-2-4	An analysis of the impacts of earthquake on the housing and rental market	
	Park, Inseok	Department of Economics, University of Seoul
	Yi, Donggyu	Department of Economics, University of Seoul
Discussant	In Chang Hwang	The Seoul Institute
5-2-5	Optimizing the Deployment of Electric Vehicle Charging Infrastructure in China with Real Charging Data	
	Jiayi Lu	School of Government, Peking University
	Lun Liu	School of Government, Peking University
Discussant	Tsung-Yu Yang	Department of Fisheries Technology and Management, National Kaohsiung University of Science and Technology

5-3 Hybrid G: Ecotourism and Conservation value International Conference Hall

Session Chair	Yu Lin	China Agricultural University
5-3-1	Electricity productivity loss due to coal-electricity price decoupling: Evidence from Chinese thermal power industry	
	Xinghao Li	Research Institute for Digital Economy and Interdisciplinary Sciences.
	Chin-Hsien Yu	Southwestern University of Finance and Economics
	Jinsong Zhao	Southwestern University of Finance and Economics
	Wen-Chieh Lee	National Chengchi University
Discussant	Liyun Zhang	University of Birmingham
5-3-2	Unintended Effects: Evidence from China's Central Environmental Monitoring Program	
	Robert J.R. Elliott	University of Birmingham
	Michael Henry	University of Birmingham
	Qinqin Xiong	University of Birmingham
	Liyun Zhang	University of Birmingham

Discussant	Yu Lin	China Agricultural University
5-3-3	Distributional impacts of green energy expansion: Evidence from residential solar power projects of China	
	Jing Cao	Tsinghua University
	◦ Yu Lin	China Agricultural University
	Rong Ma	China Agricultural University
	Zhufeng Xu	Central University of Finance and Economics
Discussant	Chin-Hsien Yu	Southwestern University of Finance and Economics
5-4 Sustainable	tourism and environmental practice	Classroom253
Session Chair	Chih-Liang Chao	National Tsing Hua University
5-4-1	Forest Recreation and Perceptions of COVID-19: Advancing Sustainable Tourism During Health Crises	
	Yung-Chih Chen	Department of Forestry, National Chung Hsing University
	Wan-Yu Liu	Department of Forestry, National Chung Hsing University
Discussant	Sugyeong Lee	Seoul National University
5-4-2	Motivations, Context, Barriers: A Qualitative Inquiry into the Behavior of Taiwan Tea Farmers Practicing Sustainable Tea Farming	
	Rachel S. K. Lee	Department of Forestry, National Chung Hsing University
	W. Y. Liu	Department of Forestry, National Chung Hsing University
Discussant	Yoshinori Sumiya	Momoyama Gakuin University
5-4-3	Economic Impact Analysis of Eco-Tourism and Conservation of the Natural Environment in Miyama-cho, Nantan City, Kyoto, Japan	
	◦ Yoshinori Sumiya	Momoyama Gakuin University
	Muneto Kazaoka	Ryukoku University
Discussant	Rachel S. K. Lee	Department of Forestry, National Chung Hsing University
5-4-4	Understanding the economic value of marine biodiversity: A systematic review and meta-analysis	
	Keewon Kim	Seoul National University
	Sugyeong Lee	Seoul National University
	Jongho Hong	Department of Environmental Planning, Graduate School of Environmental Studies, Seoul National University
Discussant	Yung-Chih Chen	Department of Forestry, National Chung Hsing University
5-4-5	The Impact of Renewable Portfolio Standard (RPS) on Renewable Energy Certificate Transactions: An Empirical Study in Taiwan	
	◦ Yessica C.Y. Chung	National Pingtung University of Science and Technology
Discussant	Chih-Liang Chao	National Tsing Hua University
5-5 Balancing	Environmental Regulation, Public Health, and	Education Building
Sustainable	Development: Insights from Global Case Studies	Classroom 102

Session Chair	Hsuan-Yu Chang	Chung-Hua Institution for Economic Research
5-5-1	Trading Volume-based Banking Regulation in Cap-and-Trade Programs	
	Jongmin Yu	Hongik University
5-5-2	Spatial disparities in EV diffusion and charging infrastructure in China	
	Aileen Lam	World Bank
	Lun Liu	Peking University
5-5-3	Estimating Tourists' Willingness to Pay for Beach Improvements Towards Sustainable Development in Terengganu, Malaysia	
	Mahirah Kamaludin	Universiti Malaysia Terengganu
	Roseliza Mat Alipiah	Universiti Malaysia Terengganu
5-5-4	The Impact of Local Government's Budget on Climate Change Awareness	
	Mi Rang Gang	Seoul National University
18:10-18:30	Closing Remarks	International Conference Hall

12:40-13:40 Poster Session

August 27, 2024

- 1 **Did Providing Subsidies for Agritourism to Visitors During the Pandemic Work? An Empirical Analysis Based on Taiwan's Issuance of Agritourism Vouchers**
 - Kai Lih Chen National Ilan University
 - Wei Hsin Kong National Ilan University
 - Yung Hsiang Lu National Chiayi University
 - Ming Feng Wu National Kaohsiung Normal University
 - Jie Ting Chen Agricultural Technology Research Institute
- 2 **Do Energy Prices Induce Environmental Innovation in the Transportation Sector?**
 - Yeon Soo Noh Korea University
 - Dong Hee Suh Korea University
- 3 **Effectiveness of Environmental Policy Stringency on Climate Change Mitigation: Evidence From ARDL in Emerging and Developed Economies**
 - Author Qiao Liang The University of Tokyo
- 4 **The Enduring Legacy of Malaria: Exploring Early-Life Exposure and Cognitive Ability in an Aging World**
 - Tzu Hsin Wu National Taiwan University
 - Yau Huo Shr National Taiwan University
 - Feng An Yang National Taiwan University
- 5 **Evaluating the water supply benefit of an agricultural pond in Taoyuan by using the system dynamics model**
 - Ya-Tsen Ko National Central University
 - Pei-Yuan Chen National Central University
- 6 **Simulating Future Scenarios for Taiwan's Agriculture: A FABLE Modeling Framework**
 - Guan-Yi Sung National Central University
 - Sung
 - Meng-Ru
 - Zhong
 - Pei-Yuan Chen Graduate Institute of Hydrological and Oceanic Sciences, National Central University
- 7 **How powerful is the egg-soy-based meal? Triple wins for health, environment, and the individual savings.**
 - Ping-Yen Lu National Tsing Hua University
 - Tzuhui Angie Tseng National Tsing Hua University
 - Hsuan-Ming Hsu National Tsing Hua University

- 8 **ASSESSING THE ECOTOURISM POTENTIAL IN STREAMS AND WATERFALLS IN THUA THIEN HUE PROVINCE, VIETNAM**
 Tran Thi Thu Hien National Cheng Kung University
 Hone-Jay Chu National Cheng Kung University
- 9 **Recreational Benefits of the Ecological Conservation Plan for Xiaoliuqiu's Green Sea Turtle Habitat**
 Mei-Yu Wu National Tsing Hua University
 Ya-Wen Chiueh Professor, Department of Environmental and Cultural Resources,
 National Tsinghua University
- 10 **Economic Impact and Implications of EU CBAM for North East Asia : A Computable General Equilibrium Approach**
 Jiwon Im (B.D.:1997.09.09) Seoul National University
 Jintae Kim Seoul National University
 Jong Ho Hong Seoul National University
- 11 **Assessing Economic Benefits of North East Asian Grid Interconnections in Achieving Net-Zero in the Power Sector**
 Hyungsik Choi Korea Environment Institute (KEI)
 Hoon Jang Korea Environment Institute (KEI)
- 12 **Evaluating the Value of Tyto Longimembris Pithecops Conservation**
 Jen-Ru Liou National Tsing Hua University
 Chun-Hung Lee National Dong Hwa University
 Ya-Wen Chiueh National Tsing Hua University
- 13 **Unveiling Value: Analyzing the Value Shaping Models of Greentech Startups in Taiwan**
 Yi-Yan Kuo National Tsing Hua University
 Chih-Liang Chao National Tsing Hua University
- 14 **Examining Potential Errors in the Willingness-to-Pay Analysis Process Using the Contingent Valuation Method with Double-Bounded Dichotomous Choice Question : Focusing on the Clean Water Highway Project in Daegu**
 ◦ Yewon Jo Incheon National University, Republic of Korea
 Heechan Kang Incheon National University, Republic of Korea
- 15 **Exploring the Potential and Challenges of Applying Taiwan Climate Change Information in High School Digital Courses**
 Hui-Ling Wang National Taipei University
 Ying-Shao Hsu National Taiwan Normal University
 Chih-Yu Wang National Taipei University

12:40-13:40 A&A Sponsored Poster Session

August 27, 2024

- A&A 1 **The Impact of ESG on Financial Performance in Taiwan's Stock Market**
◦ Sze-Hsun Sylcien National Taipei University of Business
Chang
Chin-Yu Wu National Taipei University of Business
- A&A 2 **Legal Pathway to Green Development: A Quasi-Natural Experiment Based on the Environmental Courts in China**
◦ Xingang Liang Graduate School of Economics, Ritsumeikan University
Jie Qin Graduate School of Economics, Ritsumeikan University
Kohei Aono Graduate School of Economics, Ritsumeikan University
- A&A 3 **Can Good and Bad Oil Price Volatility Predict Stock Index Return? A GARCH and Stochastic Volatility in Mean Approach**
◦ Rita Chou National Sun Yat-sen University
Ping Chen Tsai National Sun Yat-sen University
- A&A 4 **Current Status and Recommendations for Promoting Small-Scale Hydropower**
Yu-Hsuan Li Institute of Law for Science and Technology, National Tsing-Hua University
Yu Jen Lin Celtis International Law Office
- A&A 5 **Ocean's Future, Our Future: How COVID-19 affects the Ocean**
◦ Yi-Hsuan Wang National Tsinghua University
- A&A 6 **The Application of Busway to Energy transition in Environmental and Resource Economics Aspects**
Jun-Quan Wang BSMI
Zu-Rong Chang BSMI
Hung-Ju Wang BSMI
Shi-feng Wang Hoptoan Electric
- A&A 7 **Transitioning from ICEVs to EVs and FCEVs: Effects on Greenhouse Gas Reduction in Korea's Transportation Sector**
Jeongeun Lee Korea Environment Institute
Yookyung Yang Korea Environment Institute
Hoon Chang Korea Environment Institute
- A&A 8 **Research on the Effects of Game-Based Learning on adult learners Learning Effectiveness and Attitude: A Case Study on Insect Gall Teaching**
Yu-Ting Lin Department of Environmental and Cultural Resources, National Tsing Hua University

Ya-wen Chiueh Department of Environmental and Cultural Resources, National Tsing
Hua University

A&A 9 **Harmonizing Nature and Society: A Case Study of the Lanyang River Watershed,
Taiwan**

Wan-Jiun Chen Institute of Natural Resources Management, National Taipei
University

Jihn-Fa Jan Department of Land Economics, National Chengchi University

Chih-Hsin Chung Department of Forestry and Natural Resources, National Ilan
University

Shyue-Cherng Liaw Department of Geography, National Taiwan Normal University