



4th East Asian Symposium on Environmental & Natural Resource Economics 第四屆東亞環境與資源經濟研討會

全球氣候變遷與能源稀缺已成為 21 世紀人類面對的重要挑戰。中華經濟研究院、台灣農業與資源經濟學會、台灣大學農業經濟系、交通大學經營管理研究所、台北大學經濟學系、中央研究院經濟研究所與財團法人台灣綠色生產力基金會等各學術研究機構，將於 2009 年 3 月 2 日及 3 日合作舉辦「第四屆東亞環境與資源經濟研討會」。此次研討會的主題是「氣候變遷、能源稀缺、水資源管理與東亞永續發展」；會中將討論的問題包括：經濟發展與環境永續之平衡、氣候變遷之影響及調適、環境效益之評估、環境政策、節能減碳之政策工具、東亞環境財政之改革、碳排放交易、清潔發展機制、再生能源、資源回收、災害防制、生產力與能源效率、水資源管理、環境管制與國際貿易等課題，殷切期盼國內相關領域之學者專家蒞臨指教。

活動時間：2009 年 3 月 2 日至 3 月 3 日

活動地點：中華經濟研究院（台北市大安區長興街 75 號）

活動費用：一般人士 NT\$1,500 / 學生 NT\$500

報名網址：<http://easiaere4.cier.edu.tw>

- 主辦機構：** 中華經濟研究院
台灣農業與資源經濟學會
- 合辦機構：** 中央研究院經濟研究所
財團法人台灣綠色生產力基金會
國立台北大學經濟學系
國立台灣大學農業經濟學系暨研究所
國立交通大學經營管理研究所
- 贊助機構：** 中國鋼鐵股份有限公司
台塑集團
台灣中油股份有限公司
外交部
行政院大陸委員會
行政院農業委員會
財團法人中技社
財團法人台灣產業服務基金會
新光金融控股股份有限公司
經濟部水利署

東亞環境與資源經濟研討會議程
Agenda of the 4th East Asian Symposium on Environmental and Natural Resource Economics
March 2-4, 2009, Taipei, Taiwan

March 2, 2009 (Monday)

08:30-09:00 **Registration 報到**

09:00-09:10 **Welcome Remark 致歡迎詞**

Chung-Huang HUANG (黃宗煌), Director, Taiwan Agricultural and Resource Economics Association,
Dean, School of Transportation and Tourism Kainan University and
Professor, Department of Economics National Tsing Hua University
Daigee SHAW (蕭代基), President, Chung-Hua Institution for Economic Research

09:10-10:10 **Keynote Speech 專題演講**

10:10-10:40 **Coffee Break 茶點時間**

10:40-12:00 **Parallel Sessions of Paper Presentation 論文發表**

Session 01: Theory of Environmental Policy 環境政策理論

Tsung-Chen LEE (李叢禎) (National Taiwan University), Hsiao-Chi CHEN and Shi-Miin LIU
Optimal Intervention Policies in International Emissions Trading Considering Ancillary Benefits of Carbon Abatement

Ming-Feng HUNG (洪鳴丰) (Department of Industrial Economics, Tamkang University) and Daigee SHAW
An Efficient Water Right Transfer System

Eiji HOSODA (Faculty of Economics, Keio University)
Convergence of a Short-run Equilibrium to a Long-Run Equilibrium in an Emission Permit Scheme

Session 02: Renewable Energy 再生能源

Xun WEI (魏珣) (Renmin University of China) and Zhong MA
Crucial Factors to Bioenergy Expansion in Rural China

Linda Tsung Ling LEE (National Taiwan University, College of Law)
Legal and Trade Issues of Biofuels under the World Trade Organisation: the Potential Obstacles and Conflicts Between Environment and Trade

Guojun SONG (宋國君) (Renmin University of China) and Peijie LI
Study on Renewable Energy Policy in China

Session 03: Clean Development Mechanism 清潔發展機制

Chien-Ming LEE (李堅明) (Institute of Natural Resource and Environmental Management National Taipei University) and Chung-Huang HUANG
The Driving Force of Strong Sustainability...An Example of Clean Energy Development

Yazhen GONG (龔亞珍) (University of British Columbia), Gary BILL, Kathy BAYLIS
Participation in the World First Clean Development Mechanism Forest Project: The Role of Property Rights, Social Capital and Contractual Rules

Akihisa MORI (Graduate School of Global Environmental Studies, Kyoto)
Environmental Aid and Diffusion of Policy and Technology

Session 04: Emissions Trading 排放交易

Kangil LEE, Teak-Whan HAN (Seo-Kyeong University, Seoul, Korea) and Yongsung CHO
Institutional Alternatives and Its Consequences in a GHG Emissions Trading System: Trading Volume and Transaction Costs

Tatsuyoshi SAIJO and Hiroshi HAMASAKI (Centre for International Public Policy Studies)
United Nations Emission Trading Scheme (UNETS): New International Framework beyond the Kyoto Protocol

Hojeong PARK (Korea University)
Uncertainty and Investment Option Value in Oligopolistic Permit Market (preliminary and short version)

12:00-13:30 **Lunch 午餐**

13:30-15:10 **Parallel Sessions of Paper Presentation 論文發表**

Session 05: Contingent Valuation Method 假設市場評價法

Takaaki KATO (University of Kitakyushu, Japan)

Checking validity of stated WTA for living near a nuclear power station

Yau-Yuh TSAI (蔡瑤玉) (Department of International Business, MingHsin University of Science and Technology)

Environmental Concerns, Food Shortage and Consumer Attitudes towards Green Products and Genetically Modified Foods—An Empirical Study in Taiwan

Young Sook EOM (Department of Economics, Chon Buk National University) and V. Kerry SMITH

Joint Estimation and Consumers' Responses to Food Safety

Agni Alam AWIRYA (STEKPI Jakarta)

Using Contingent Valuation to Estimate Demand for Clean Air a Survey to Customers of Exhaust Emission Test Workshop in DKI Jakarta

Agni Alam AWIRYA (STEKPI Jakarta)

Measuring People Willingness to Pay for Neighborhood SANITATION Case Study: Small Neighbourhood Unit in Jakarta

Session 06: Circular Economy(I) 資源回收(I)

Jinhui LI (Tsinghua University)

Circular Economy Development Model and Practice on Promoting Waste Recycling in China

Huanzheng DU (杜歡政) (Jiaxing University), Bin LI (李斌) (Jiaxing University), Haijun DING, Jianxin JIA and Huaguo YANG

Next Evolvement of Circular Economy in China under Global Financial Crisis

Kwang-Yim KIM (International Environmental Strategy Research Center, Korea Environment)

Development of Circular Economy in Korea

Lih-Chyi WEN (溫麗琪) (Chung-Hua Institution for Economic Research)

The Achievement and the further Agenda of Recycling Economy in Taiwan

Fumikazu YOSHIDA (Hokkaido University)

Japan's Achievement and Perspective of Circular Economy

Session 07: Economy and the Environment (I) 經濟發展與環境(I)

Tzu-Ming LIU and Yi-Chi CHEN (陳奕奇) (National Cheng Kung University)

Potential Effect of Climate Changes on Local Distribution of Dengue Fever: A Spatial Analysis

Zhigang LI (黎志剛) (The University of Hong Kong) and Frank SONG

Growth and Haze: Weekend Effects in China

Daigee SHAW (蕭代基) (Chung-Hua Institution for Economic Research), Yu-Lan CHIEN and Jou-Chian WANG

Cost-Effectiveness Analysis of Reserve Network for Biodiversity Conservation: Two Case studies in Taiwan

Session 08: Efficiency and Productivity (I) 生產力及效率(I)

Tsz-Yi KE (柯慈儀) (Department of Economics, Aletheia University, Taiwan), Jin-Li HU and Wen-Ju YANG

Pollution costs and efficient abatement targets of three wastes for Chinese regions

Sang-Mok KANG (Pusan National Univeristy) and Moon-Hwee KIM

Environmentally-adjusted Productivity Growth and Growth Accounting Analysis in Korean and Chinese Manufacturing

Chu WEI (魏楚) (College of Economics and Management, Zhejiang Sci-Tech University, China), Jinlan NI and Manhong SHEN

An Empirical Analysis of Provincial Energy Efficiency in China

15:10-15:40 **Coffee Break 茶點時間**

15:40-17:00 **Policy Forum on Impacts and Adaptation of Climate Change 環境政策論壇：氣候變遷之影響及調適**

Chair: Shen-Hsien CHEN (陳伸賢), Director-General, Water Resources Agency, Ministry of Economics

Panelists: Chung-Ming LIU (柳中明), Director, Global Change Center, National Taiwan University

Herminia FRANCISCO, Director, Economy and Environment Program for Southeast Asia

Izumi KUBOTA, Doctor, National Institute for Environmental Studies

Yun-Hwa KO, President, National Institute of Environmental Research

17:00-20:00 **歡迎晚宴 Welcome Dinner**

March 3, 2009 (Tuesday)

08:30-09:00 **Registration 報到**

Parallel Sessions of Paper Presentation 論文發表

Session 09: Environmental Policy (I) 環境政策(I)

Myunghun LEE (Department of International Trade, Inha University)

Measurement of Market Power for the Environmentally Regulated Korean Iron and Steel Industry

Kwo-Dong WEY (魏國棟) (Department of Economics, National Taipei University, Taiwan), Sheue-Ching HONG and Ching-Yu YEN

To Evaluate the Existence of the Triple Dividends--- the Case of Levying Energy Related Environmental Tax in Taiwan

Geum Soo KIM (Department of Economics, Hoseo University, Korea)

Monitoring and Campaigning for Environmental Protection

Session 10: Circular Economy (II) 資源回收(II)

Shi LEI (石磊) (Renmin University of China), Lu XING, Zhong MA and Yingdan MEI

Household disposal behavior and attitudes towards the recycling of waste household electrical appliances in Qingdao

Inkee HONG (National assembly Budget Office Republic of Korea)

Two Reasons to Subsidize Household Recycling: The Effects of Imperfect Recycling and Reprocessing on the Optimal Recycling Subsidy

Norimichi MATSUEDA (School of Economics, Kwansei Gakuin University) and Yoko NAGASE

Economic Instruments and Resource Use in a Recyclable Product Market

Session 11: Environmental Impacts and Human Responses 環境影響與人類反應

Luthfi FATAH (University of Lambung Mangkurat)

Application of Social Accounting Matrix Multiplier as an Energy-Economy-Environment Model for Devising Coal Mining Policy

Wang-Kun CHEN (陳王琨)(Jinwen University of Science and Technology), P.H. CHOU and S.L.LIN

A Science-based Estimation of Carbon Monoxide Externality in Northern Taiwan Area

Huy NGUYEN (Graduate School of Global Environmental Studies, Kyoto University) and Rajib SHAW

The impacts of climate change in terms of drought on livelihood sectors – a case study in the South central coast of Vietnam

Session 12: National Disaster Reduction 災害防制

Yen-Lien KUO (郭彥廉) (National Science and Technology Center for Disaster Reduction)

Using the Scheme of Tradable Development Right for Reducing the Disaster Loss Related to Climate Change

Bolanda Hakuru Justin PREMATHILAKE (Coast Conservation Department, Ministry of Fisheries and Aquatic Resources Development)

Value of Investing on Coastal Ecosystems as Infrastructures for Disaster Mitigation

Canesio PREDO (Visayas State University, Baybay City, Leyte, Philippines), Buenaventura DARGANTES and Herminia FRANCISCO

Adaptation of Community and Households to Climate-Related Disaster: The Case of Storm Surge and Flooding Experience in Ormoc and Cabalian Bay, Philippines

10:20-10:40 **Coffee Break 茶點時間**

10:40-12:00 **Parallel Sessions of Paper Presentation 論文發表**

Session 13: Environmental Policy (II) 環境政策(II)

Chia-Yu YEH (葉家瑜) (National Chi Nan University) and Chun-Wei LIU

Is the forest carbon offsetting project a priority strategy to industries in Taiwan?

Ho-Jin JUNG (Department of Economics, Pusan National University) and Young-Duk KIM

An Effect of Voluntary Agreement Participation on Investment Behaviors of Firms: VA as Incentive of Investment

Alexander MARTIN (International Consultancy Europe BV) and Gijsbert NOLLEN

Financial and Economic Analysis of Forestry Carbon Trading as a Project Development Funding Mechanism

Session 14: Circular Economy (III) 資源回收(III)

Tsung-hsiu TSAI (蔡宗秀) (National University of Kaohsiung), Ming-Fang TSAI and Jiunn-Rong CHIOU
A Constrained "Upstream Tax and Downstream Subsidy" Recycling Policy Analysis

Sungwoo CHUNG (Institute of Developing Countries) and Kojima MICHIKAZU
EPR and E-waste Material Flow -From the experiences of Japan and Korea-

Daisuke ICHINOSE and Masashi YAMAMOTO (Univeristy of Toyama)
On the Relationship Between Provision of Waste Management Service and Illegal Dumping

Session 15: Economy and the Environment (II)經濟發展與環境

Hsing-Chun LIN, Yih-Ming LIN (林億明) (National Chiayi University), Yun-Ting WAN and Li-Chen CHOU
Energy Consumption, Structural Change and Trade: A Structural Decomposition Structure Analysis of Taiwan-Japan-Korea Industry

Hyun-Sik CHUNG (Sungkyunkwan Univ, School of Economics)
A Measurement of International Carbon Leakage: Balance of CO2 Emissions Embodied in International Trade, 1995 - 2000

Lu XING (邢璐) (Renmin University of China; London School of Economics and Political Science), Ji ZOU and Lei SHI
Household Energy Demand and Carbon Emission of China Under a Well-off Society Goal

Session 16: Efficiency and Productivity (II) 生產力及效率(II)

Oh Sang KWON (Seoul National University) and Hojeong PARK
Total Factor Productivity in Korean Power Generation Sector: Accounting for Market Structure and Pollution Emission

Dongki MIN (Department of Economics Konkuk University, South Korea)
Is There Any Improvement in the Technical Efficiency of Industrial Water Input in Korean Manufacturing?

Satoshi HONMA (Kyushu Sangyo University) and Jin-Li HU
Total-factor Energy Efficiency for Sectors in Japan

12:00-13:30 **Lunch 午餐**

13:30-15:10 **Parallel Sessions of Paper Presentation 論文發表**

Session 17: Environmental Fiscal Reform in East 東亞環境財政改革

Kazuhiro UETA (Kyoto University)
Some Criteria for the Comparative Evaluation of the Environmental Fiscal Reform in East Asia

Zhong MA (馬中) (Renmin University of China)
Environmental Fiscal Reform in China

Soo-cheol LEE (Meijo University)
Environmental Fiscal Reform in South Korea

Li-Chun CHEN (Yamaguchi University)
Environmental Fiscal Reform in Taiwan

Session 18: Economy and the Environment (III) 經濟發展與環境(III)

Sung Taek CHO and Yongsung CHO (Korea University)
Analysis of the Effects of Openness and Economic Growth on the Environment in Korea

Wan-Jiun CHEN (陳宛君) (Department of Economics, Chinese Culture University) and Feng-Ren LEE
A Study on Relationships Between Income and CO2 Emissions in Taiwan

Yi-Jung WANG (School of Economics, University of Adelaide)
How is water pollution related to economy and human health?

Je-Liang LIOU and Pei-Ing WU (吳珮瑛) (Department of Agricultural Economics, National Taiwan University)
Efficiency in Energy Use, Efficiency in Energy Emission, and Economic Development: How 3E Related?

Yu-Chen YANG (楊育誠) (Department of Applied Economics National Chung-Hsing University)
Trade liberalization and The Impact of Stringency of Eco-labeling Standard on Consumer's Welfare: A Differentiated Product Approach

15:10-15:40 **Coffee Break 茶點時間**

15:40-17:00 **Policy Forum on Instruments for GHG Reduction and Energy Conservation 政策論壇：節能減碳政策工具**
Chair: Eiji HOSODA, Professor, Faculty of Economics, Keio University
Panelists: Chung-Huang HUANG (黃宗煌), Director, Taiwan Agricultural and Resource Economics Association
Kiyoshi FUJIKAWA, Associate Dean, Graduate School of International Development
Man-Ok KANG, Senior Research Fellow, Korean Environment Institute
Zhong Ma (馬中), Professor, Renmin University of China

本預定議程之內容或順序可能有變動，如有變動，請以網上公佈的最新信息為準

詳情請上本活動網址 <http://easiaere4.cier.edu.tw>

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