Tentative Parallel Session Program (2014.10.10)

	October 28th (Tue.)			
	ROOM A (101)	ROOM B (102)	ROOM C (201)	ROOM D (202)
	Sustainability in the Chemical Industry-1	*Tsukuba Special Session*	*Global Food Security and Corporate Practices from Life Cycle Perspectives-1*	*Green ICT-1*
3-1 13:30-13:50	28A3-1 Decision-Support Tools for Designing Sustainable Chemical Products and Processes Hungerbuehler, Konrad ETH Zurich	TBA	28C3-1 Japanese nitrogen footprint model for the prediction of nitrogen loss to the environment Hideaki Shibata Hokkaido University	28D3-1 TBA Kendra Tupper City of Boulder
3-2 13:50-14:10			28C3-2 Aggregation of biodiversity impacts across international value chains Michael JÃger University of Stuttgart	28D3-2 New Key Performance Indicators for Smart Sustainable City Hara, Minako NTT Energy and Environment Systems Laboratories
3-3 14:10-14:30	28A3-3 Development of the risk-based management system for chemicals throughout the supply chain Fumiaki Shono Japan Chemical Industry Association		28C3-3 Scientific robustness of including indirect land use change into life cycle assessment Matthias Finkbeiner Technische UniversitÄt Berlin	28D3-3 Social Impact Assessment of ICT Services- case study and tool realization - Julien Boisseau Orange Japan
3-4 14:30-14:50	28A3-4 Chemicals management for sustainability in small and medium-sized enterprises Emi Kikuchi Uehara The University of Tokyo		28C3-4 Future perspectives on LCA in agriculture: Lessons from the research in Japan Masanori Saito Tohoku University	28D3-4 Multiple Environmental Impact Assessment Method on Biodiversity for Industry Kazue Ichino Takahashi NTT Energy and Environment Systems Laboratories
	Break			
	Sustainability in the Chemical Industry-2	*Material Flow Analysis*	*Global Food Security and Corporate Practices from Life Cycle Perspectives-2*	*Green ICT-2*
4-1 15:10-15:30	28A4-1 The use of LCA as a metrics in advancing and scaling up Green Chemistry research: the case of Black liquor Guido Sonnemann Bordeaux University	28B4-1 Spatial cluster analysis of global metal flows Shigemi Kagawa Kyushu University	28C4-1 Assessing impacts of land use change and management intensification: a life cycle perspective on agricultural production Kiyotada Hayashi National Agriculture and Food Research Organization	28D4-1 Case study on effect of mechanics development of telecommunication product on material efficiency Galkin, Timo Nokia Solutions and Networks
4-2 15:30-15:50	28A4-2 Sulphur distribution to products in wet biomass gasification Kenji Koido Tokyo University of Science	28B4-2 Impact of resource-use intensity of goods and services and demand structure on national resource productivity: Time series analysis for 10countries Arata Ito Ritsumeikan University	28C4-2 Environmental Impacts of Organic Rice Farming in Thailand by using Life Cycle Assessment to Support Policy Decision on Sustainable Agriculture Rattanawan Mungkung Kasetsart University	28D4-2 Five IT Thoughts From a Waste Management Proof-of-Concept Project Yukihisa Yonemochi IBM Research - Tokyo
4-3 15:50-16:10	28A4-3 Estimating Reduction of Environmental Load for Resource Recovery from Plastic Waste by LCA Methodology and Plastic Waste Processing Pathways Akihiro Izumi Plastic Waste Management Institute	28B4-3 SELECTION OF PRODUCTS FOR REMANUFACTURING BASED ON THE DESIGNS OF END OF LIFE PRODUCTS Tetsuo Yamada The University of Electro-Communications	28C4-3 Water Footprint Assessment of Crops Cultivation in Kurdistan Region, Iraq Marlia Mohd Hanafiah National University of Malaysia	28D4-3 Environmental footprint for IT equipment Takaaki Kumazawa Hitachi, Ltd.
4-4 16:10-16:30	28A4-4 Applying c-LCA for Challenges to Global Warming at ASAHI KASEI CORP. Junichi Nakahashi Asahi Kasei Corporation	28B4-4 Mathematical formulation of urban mines design problem Shinsuke Kondoh National Institute of Advanced Industrial Science and Technology	28C4-4 Life cycle assessment of biogas production in small-scale household digesters in Vietnam Van Thi Khanh Vu National Institute of Animal Sciences	28D4-4 Analysis of Influence of ICT Services Including Application-Service and Network-Service on CO₂ Emission Hannoe, shinsuke NTT Energy and Environment Systems Laboratories
	Break			
	Estimating the Contribution to Avoided Emissions	*e-waste*	*Global Food Security and Corporate Practices from Life Cycle Perspectives-3*	*Driving innovation*
5-1 16:50-17:10	28A5-1 Guideline on Quantifying and Reporting the Avoided Emissions of Products Motozo Yoshikiyo Japan Chemical Industry Association	28B5-1 Sorted Collection of Used Batteries and Small Home Appliances by Municipalities Atsushi Terazono National Institute for Environmental Studies	28C5-1 Resource Logistics for sustainable management of agricultural nutrients Kazuyo Matsubae Tohoku University	28D5-1 Measuring social impacts of products: the Handbook of the Roundtable for Social Metrics JoÃo Fontes PRÉ Consultants B.V.
5-2 17:10-17:30	28A5-2 Establishment of Kawasaki Mechanism, The certification program of avoided emissions outside Kawasaki City Shoichiro Tsuruta Japan Environmental Management Association for Industry	28B5-2 Life Cycle Assessment of an Automotive Lithium-Ion Battery in Large-Scale Commercial Production Hyung Chul Kim Ford Motor Company	28C5-2 Monetary and Physically Flow Analyses on Products of Agriculture Yuko Oshita Kobe University	28D5-2 Policies promoting ecodesign for energy and resource efficiency in Europe: experiences, barriers and future options Carl Johan Dalhammar Lund University
5-3 17:30-17:50	28A5-3 Program for Assessing the Contribution of Business Activities to Avoided Emissions in Shiga Prefecture, Japan Maki Ogura Pacific Consultants Co., Ltd.	28B5-3 The impact of demographic change in Japan on supply security footprint of critical metals Yosuke Shigetomi Kyoto University	28C5-3 Evaluation of environmental improvement by introduction of Eco-feed Hongqin Yu Nippon Institute of Technology	28D5-3 Reverse Flow of Knowledge and the Development of Sustainable Energy Systems Harald Ernst Otto Polytechnic University of Marche
5-4 17:50-18:10	28A5-4 Neutralize CO2 emissions by Product Contributions Ryo Yokoyama TDK Corporation	28B5-4 Material Flow Analysis of Heavy Metals in Contaminated Soil – A Case Study on the Polluted Sites in Taoyuan County, Taiwan Rong-Hua Li National Taipei University	28C5-4 Uncertainty analysis for greenhouse gas impact of feedstuff in Korea Yoosung Park Ajou University	28D5-4 The International Diffusion of Environmental Innovations: Streamlining the Dissemination Mechanisms across Asian Nations Helmut Yabar University of Tsukuba

October 29th (Wed.)

	ROOM C (201)	ROOM D (202)	ROOM E (303)	ROOM F (405)	ROOM G (406)
	The Practical Challenge for Sustainable Industry - Challenges, Experiences and Lessons	*Methodology*	*Behavior & Policy*	*Sustainability of Materials and Industries-1*	*Energy-1*
1-1 9:00-9:20	29C1-1 Hitachi’s CO₂ visualization effort Tetsuichi Nomiyama Hitachi, Ltd.	29D1-1 GreenGDP Study Based on Life Cycle Impact Assessment of Refinery Sector in Thailand Kultida Kunanuntakij Kasetsart University	29E1-1 A Life cycle thinking Assessment Framework for Land Reclamation Policy in Taiwan Lih-Ren Liu National Taipei University	29F1-1 How much does urban mining reduce the environmental burden? Kohmei Halada National Institute for Material Science	29G1-1 Life cycle inventory of energy technologies - survey and application to energy scenarios Benjamin Craig Mclellan Kyoto University
1-2 9:20-9:40	29C1-2 Challenges to biofuel production enhancing food production – a food and beverage alcohol company perspective Satoshi Ohara Asahi Group Holdings, Ltd.	29D1-2 Fast screening of alternative life cycles and system optimization using flexibly linkable process subsystems Bernhard Steubing ETH Zurich	29E1-2 Constructing a System Thinking Model for Climate Policy Making Based on National GHG Inventory Yu-Tsang Lu National Taipei University	29F1-2 Designing strategic urban mining in Japan for criticality mitigation Hiroki Hatayama National Institute of Advanced Industrial Science and Technology	29G1-2 Network Theory Integrated Life Cycle Assessment for an Electric Power System Heetae Kim Sungkyunkwan University
1-3 9:40-10:00	29C1-3 EXPERIENCE OF EPD PROCESS CERTIFICATION Lucia Rigamonti Politecnico di Milano	29D1-3 Investigation of the differences between static and probabilistic LCA/LCC results of different floor finishes Johannes Gantner Fraunhofer IBP	29E1-3 Evaluating the change of psychological factors and pro-environmental behaviors through workshop about life cycle thinking and norms Eri Aoki The University of Tokyo	29F1-3 Comparison of End-of-Life Recycling Rates of Common Metals in Japan Ichiro Daigo The University of Tokyo	29G1-3 Life Cycle Greenhouse Gas emission and Land Use Change Impact on Compressed Natural Gas as Alternative Vehicle Fuel in Thailand Worayut Saibuatrong Kasetsart University
1-4 10:00-10:20	29C1-4 Policy options for LCA deployment in automotive industry Annekatrin Lehmann Technische Universität Berlin	29D1-4 Supporting uncertainty evaluation in prospective assessment of innovations: A case on ecological method in shrimp farming Heng Yi Teah National Cheng Kung University	29E1-4 People’s environmental consciousness in daily activities Ai Hiramatsu The University of Tokyo	29F1-4 Framework and Applications of Time-Series Material Flow and Stock Analysis Shotaro Nakanishi The University of Tokyo	29G1-4 Life Cycle Assessment of Biodiesel in Hong Kong Ya Hong Dong The University of Hong Kong
	Break				
	The Practical Challenge for Sustainable Industry -Organizational LCA (O-LCA): Concepts and Methodologies	*SCRM (Supply Chain Risk Management)*	*Policy & Visualization*	*Sustainability of Materials and Industries-2*	*Energy-2*
2-1 10:40-11:00	29C2-1 A new Direction for LCA: Organizational LCA Matthias Finkbeiner Technische Universität Berlin	29D2-1 Development of supply-chain matrix database with IDEA aiming for the application to consequential LCA Kiyotaka Tahara National Institute of Advanced Industrial Science and Technology	29E2-1 Visualizing Core Structure of International Carbon Network Associated with Household Consumption Yasushi Kondo Waseda University	29F2-1 Value added Material Flow Analysis of NdFeB magnets in Denmark Komal Habib University of Southern Denmark	29G2-1 Ecological effects from operating a biomass power plant Ayu Washizu Waseda University
2-2 11:00-11:20	29C2-2 Guidance on Organizational LCA by the UNEP/SETAC Life Cycle Initiative Julia Martínez Blanco Technische Universität Berlin	29D2-2 Resolution of Nuclear Power Plant Construction Conflicts — Argument of Tsunami Issues Through Concept Mapping and Lifecycle Thinking Ting-Fang Hsieh National Taipei University	29E2-2 Life Cycle Inventory Database and its applications to Support Public Policy in Thailand Thumrongrut - Mungcharoen Kasetsart University	29F2-2 Ultra-high temperature materials for higher-efficiency energy conversion of heat engines Kyosuke Yoshimi Tohoku University	29G2-2 Load flexible power plant concepts – a comparative analysis from a life-cycle perspective Witold Roger Poganietz Karlsruhe Institute of Technology
2-3 11:20-11:40	29C2-3 Activity to Evaluate a Positive Impact of an Organization Hiroko Ioka Fujitsu Limited	29D2-3 LCA system boundary selection using the industrial clustering analysis Shunsuke Okamoto Kyushu University	29E2-3 Thai CF Pro: a web-based program for evaluating Carbon Footprint of Product Chantana - Yuvaniyama National Metal and Materials Technology Center	29F2-3 Advanced green innovation discovered by self-healing ceramics Wataru Nakao Yokohama National University	29G2-3 An analysis of LCI and fuel cost due to Blue Tower Process based on the low power purification system Rui Ohkubo Tokyo University of Science
2-4 11:40-12:00	29C2-4 Proposal for a supplementary calculation method for scope 3 emissions Sachiko Motoike Panasonic Corporation	29D2-4 Assessing Climate Impact of Industrial Symbioses: A Dynamic Approach François Dumoulin CIRAD	29E2-4 Visualization of Comprehensive Environmental Impacts Yoshinori Kobayashi Toshiba Corporation	29F2-4 Environmental barrier coating on SiC fiber-reinforced SiC matrix composites for low pressure turbine in jet engine Hideki Kakisawa The University of Tokyo	29G2-4 Small Hydro Power Plants: A Modular LCA approach for Optimiziation Beatrix Friederike Becker Technische Universität Darmstadt
	Lunch				
	ROOM C (201)	ROOM D (202)	ROOM E (303)	ROOM F (405)	
	The Practical Challenge for Sustainable Industry - Lessons from Application Studies	*City & Building*	*Agriculture & Foods*	*Sustainability of Materials and Industries-3*	
3-1 13:30-13:50	29C3-1 Estimating multiple changes of GHG emissions on Mitsubishi Electric group's supply chain;Category11-possible variation of GHG during use stage Chie Uchiyama Mitsubishi Electric Corporation	29D3-1 Towards a low-carbon future in China’s rural residential sector Rui Xing National Institute for Environmental Studies	29E3-1 Life cycle assessment of environmental impacts of crop residue management and manure application in Japanese rice cultivation Ai Leon National Institute for Agro-Environmental Sciences	29F3-1 Minor Rare Metals Concentration from E-waste by Combining Novel Comminution and Physical Separation Owada, Shuji Waseda University	
3-2 13:50-14:10	29C3-2 What allocation method should be taken to provide the data for SCOPE3 by supplier to customer? - An example of the printing company - Hriomichi Sasaki Sun Messe Co., Ltd.	29D3-2 Exploring intersection of product lifecycles: GHG emissions associated with vehicles and pavement influenced by pavement maintenance strategies Yasuhiro Fukushima National Cheng Kung University	29E3-2 Total Material Requirement of Food Production and Related Materials in Japan Eiji Yamasue Kyoto University	29F3-2 Metal Recovery from Urban Mines by Hydrometallurgical Methods Mikiya Tanaka National Institute of Advanced Industrial Science and Technology	
3-3 14:10-14:30	29C3-3 Water consumption evaluation along the supply chain Junichi Nakahashi Asahi Kasei Corporation	29D3-3 A Cradle-to-Cradle Assessment Framework for Green Building Evaluation – Emphases on Energy Management and Resource Recovery Chia-Lin Hsu National Taipei University	29E3-3 Land use change related CO₂ emissions in the LCA of biofuel-based electrification in Mali Joana Almeida KU Leuven	29F3-3 Development of new processes for precious metals recovery using organic aqua regia Yasunari Matsuno The University of Tokyo	
3-4 14:30-14:50	29C3-4 Supply-chain Environmental Assessment for Sustainable Procurement Kenji Ohashi Shiseido Co., ltd.	29D3-4 A Life Cycle Assessment of Silica Sand: Comparing the Beneficiation Processes Anamarija Grbes The University of Zagreb	29E3-4 Ecoefficiency analysis of integrated and non-integrated crop, forestry and livestock production systems in the brazilian Cerrado Sueli Aparecida de Oliveira FEE- Espaço ECO Foundation- BASF	29F3-4 A recycling system for poly (methyl methacrylate) in Japan Yasunori Kikuchi The University of Tokyo	

	October 30th (Thu.)			
	ROOM A (101)	ROOM B (102)	ROOM C (201)	ROOM D (202)
	Sustainable Resource Management-1	*Waste Management & Recycling-1*	*The Practical Challenge for Sustainable Industry -Sustainable value chain management by MFCA*	*Water-1*
1-1 9:00-9:20	30A1-1 Global flow of nickel: Identifying its supply chain and implication for sustainable resource management Kenichi Nakajima National Institute for Environmental Studies	30B1-1 Repercussion Effects of Final Consumption on Production and Environmental Loads Using a China-Japan Waste Input-output Table Makiko Tsukui Tokyo International University	30C1-1 Material Flow Cost Accounting:Simple Approach, Untapped Opportunities, Upcoming Tasks Bernd Wagner University of Augsburg	30D1-1 The significance of land use effects on groundwater resource availability in Japan Masaharu Motoshita National Institute of Advanced Industrial Science and Technology
1-2 9:20-9:40	30A1-2 Sustainability of rare metal supply chains from unconventional resources Glen David Corder The University of Queensland	30B1-2 The Implementation of Financial Incentive on Single-Use Takeout Cup Source Reduction and Recycling in Taiwan Chin-Wei Tang Sustainable Environmental Technology and Management Co., Ltd.	30C1-2 Extending Raw Material Input Evaluation in the MFCA Framework through Implementation of Criticality Assessments Christoph Helbig University of Augsburg	30D1-2 Human health impact models from water use: comparing to better harmonize Anne-Marie Boulay CIRAIG, Ecole Polytechnique
1-3 9:40-10:00	30A1-3 Refinement of a simulation model to analyze the formation of urban mines with demonstrative experiments Hitoshi Komoto National Institute of Advanced Industrial Science and Technology	30B1-3 Environmental impacts assessment of plastic waste in Thailand Unchalee Suwanmanee Srinakharinwirot University	30C1-3 Cost Accounting Instruments as Components in a Material Flow Analysis Tool-Chain Martina B. Prox ifu Hamburg GmbH	30D1-3 Functional mapping for sustainable consumption: an example through drinking water consumption. Sébastien Michaël René Dente Ritsumeikan University
1-4 10:00-10:20	30A1-4 Quality-oriented End-of-Life vehicle scrap recycling aimed at efficient utilization of steel alloying elements Hajime Ohno Tohoku University	30B1-4 Assessing Environmental Impact of Fiber Reinforced Plastic Table Top Product Mixed With Non-Metallic Fraction from Printed Circuit Board Waste Sawanya Jareemit Mahidol University	30C1-4 New Challenge to develop Sustainable Value Chain Management by MFCA Information Asako Kimura Kansai University	30D1-4 Economic water productivity of polylactic acid (PLA) production chain in Thailand Shinatiphkorn Pongpinyopap Kasetsart University
Break				
	Sustainable Resource Management-2	*Waste Management & Recycling-2*	*The Practical Challenge for Sustainable Industry -Keys for the breakthrough in business*	*Water-2*
2-1 10:40-11:00	30A2-1 Measuring supply risk footprints of critical metals for Japanese goods and services Keisuke Nansai National Institute for Environmental Studies	30B2-1 WEEE management in Lombardia region (Italy): an LCA-based evaluation Lucia Rigamonti Politecnico di Milano	30C2-1 Integrating LCA Into a Design Innovation Method Jeremy Faludi University of California, Berkeley	30D2-1 Environmental Life Cycle Emissions for Vegetable oil Microemulsion-Based Biofuels Ampira Charoensaeng Chulalongkorn University
2-2 11:00-11:20	30A2-2 Material Flow of Cobalt in Taiwan Lu-Yen Chen National United University	30B2-2 Evaluation of Environmental Effects of Recycling of Waste from Food Supply Chains using the Integrated Hybrid Analysis Tamon Maruyama The University of Tokyo	30C2-2 Product and Organisation Environmental Footprint – Challenges in theory and practice Annekatrin Lehmann Technische Universität Berlin	30D2-2 Life Cycle Assessment of Biofuels and the Issue of Indirect Land Use Change Liselotte Schebek Technische Universität Darmstadt
2-3 11:20-11:40	30A2-3 Sustainability and stakeholder interaction in deep ocean mineral resources Benjamin Craig Mclellan Kyoto University	30B2-3 Life cycle assessment of municipal solid waste management towards sustainable development in developing countries: A case study of Hanoi metropolitan city, Vietnam Thanh Trung Hoang University of Tsukuba	30C2-3 20 years of LCA development, have we understood the user needs? Mark Jacob Goedkoop PRé Consultants B.V.	30D2-3 Evaluation of uncertainty in for- and background systems: A case study of municipal wastewater treatment plant Hiroko Yoshida Technical University of Denmark
2-4 11:40-12:00	30A2-4 Indicators for Environmental Impacts at mine sites -case studies for large-scale underground mines Shinsuke Murakami The University of Tokyo	30B2-4 Climate Co-Benefit from Improving Food Waste Management: A Case of Small Communities in Thailand. Amornchai Challcharoenwattana Chulalongkorn University	discussion	30D2-4 Basin-scale multi-objective optimization of water and wastewater systems considering global and regional impacts Seiya Maki The University of Tokyo