

Poster Program

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| P-006 | <p>Strategic Environmental Assessment of Taiwan's Sustainable Energy Development Policy</p> <p>Ya-Hua YU (Taiwan/R.O.C.) National Taipei University</p> |
| P-007 | <p>Life Cycle Assessment of End of Life of Personal Computer and Recycling Feasibility in Thailand</p> <p>Tatthap - VEERATAT (Thailand) Graduate School Chulalongkorn University</p> |
| P-008 | <p>Evaluation the Environment Impacts for End-of-Life (EOL) of E-Waste:Case Study Mobile Phones in Thailand</p> <p>Witthawin SANGPRASERT (Thailand) Chulalongkorn University</p> |
| P-009 | <p>Development Strategy of Coastal Wetlands in the Perspective of Biodiversity Conservation-The Example of Funyuang Wetland in Taiwan</p> <p>PO-JEN SHUAI (Taiwan/R.O.C.) National Taipei University</p> |
| P-010 | <p>Comprehensive Life Cycle Assessment for Cheese and Whey Products in U.S.</p> <p>Greg J THOMA (U.S.A.) University of Arkansas</p> |
| P-011 | <p>Revising Taiwan's Sustainability Development Indicator System with Incorporation of Vulnerability Assessment on Climate Change</p> <p>Wen-Chi YANG (Taiwan/R.O.C.) National Taipei University</p> |
| P-013 | <p>A Study on the Methodology for Evaluating the Environmental Load of Rail Infrastructure Construction</p> <p>Yasutomo MORITA (Japan) Institution for Transport Policy Studies</p> |
| P-014 | <p>Advances in Knowledge Organization Related to Sustainability Science: Prospects for Research and Application</p> <p>Harald Ernst OTTO (Italy) Politechnic University of Marche</p> |
| P-015 | <p>Sustainable Product Design Checklist: Integrating Sustainability into Early Stages of Product Development</p> <p>Ali MASOUDI (Korea) Pohang University of Science and Technology</p> |
| P-016 | <p>Development of Evaluation Tool for Life Cycle CO2 of Detached Houses</p> <p>Kosuke MEGURO (Japan) Keio University</p> |

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| P-017 | <p>Estimation of TBL Indexes for Ark Shell Fisheries Industries in Sendai Bay -Toward Development of Evaluation Method for Sustainable Fisheries-</p> <p>Kazuhito WATANABE (Japan) <i>Miyagi Prefecture Fisheries Technology Institute</i></p> |
| P-018 | <p>Impact of the Introduction of Biomass Energy to Environment, Economic and Rural Development in ASEAN Region</p> <p>Hendrawan - - (Japan) <i>Tokyo University of Science</i></p> |
| P-019 | <p>Assessing the Environmental and Social Effects of Free Trade Agreement through Life Cycle Sustainability Analysis:A Case Study of Economic Cooperation Framework Agreement between Taiwan and China</p> <p>Chia-Wei CHAO (Taiwan/R.O.C.)</p> |
| P-023 | <p>Quantification of Environmental Impacts on Human Health due to Global Production and Consumption Chains</p> <p>Damien FRIOT (U.S.A) <i>University of Michigan</i></p> |
| P-024 | <p>Comparison of Life Cycle Carbon Dioxide Emissions among Urban Passenger Transport Modes</p> <p>Kei ITO (Japan) Nagoya University</p> |
| P-025 | <p>Evaluating Effective Efficiency Policies for Chinese Prefectural Residential Sector through Year 2050</p> <p>Rui XING (Japan) Keio University</p> |
| P-026 | <p>A Review of Sustainability Assessment: What are the Challenges?</p> <p>Tomohior TASAKI (Japan) National Institute for Environmental Studies</p> |
| P-027 | <p>Change in Consciousness and Energy Savings by Energy-saving Strategy Considering Personal Preference and Living Characteristic</p> <p>Mai URATA (Japan) <i>Keio University</i></p> |
| P-028 | <p>Development of a Global PCR Library: Identifying Overlaps and Gaps in Environdec and JEMAI</p> <p>Annemarie KERKHOF (the Netherlands) PRE Consultants</p> |
| P-029 | <p>Economic and Environmental Benefits of Dry Discharge of Bottom Ash and Acid Washing of Fly Ash from Municipal Solid Waste Incineration in Switzerland</p> <p>Gregoire MEYLAN (Switzerland) <i>ETH Zurich</i></p> |

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| P-030 | <p>Evaluation of the Environmental Efficiency by the Introduction of Water Treatment Technology System in Kumamoto Prefecture</p> <p>Akito MURANO (Japan) <i>Toyo University</i></p> |
| P-031 | <p>Evaluation of Resource Efficiency and Prefectural Disparity of Roadway Material Stock and Flow towards a Countrywide Sustainability: A Case Study in Japan</p> <p>Cherry Myo LWIN (Japan) <i>Engineering</i></p> |
| P-032 | <p>Embodied Energy of Construction Sector in Norway: The Input-Output Analysis</p> <p>Lizhen HUANG (Norway) Norwegian University of Science and Technology</p> |
| P-034 | <p>Evaluating Ecological Risks of Fixed Income Investments, An Ecological Network Perspective</p> <p>Ali KHARRAZI (Japan) The University of Tokyo</p> |
| P-035 | <p>[Ecological Boundaries] Ecosystem Integration in Architectural Design</p> <p>Catarina Isabel VITORINO DOS SANTOS (Japan) The University of Tokyo</p> |
| P-036 | <p>Long Lasting Material Flows of Mining after Mine Closure - Focused on Acid Mine Drainage Treatment</p> <p>Hiroshi OTSUKA (Japan) The University of Tokyo</p> |
| P-037 | <p>Feasibility of Agent Based Simulation for Modeling the Decision Making Processes in Recycling and its Effects on Material Flows and Environmental Impacts</p> <p>Johanna Elisa LAAKSONEN (Finland) <i>Aalto University</i></p> |
| P-038 | <p>An Analysis of Material Input Requirements for the Republic of Korea under the Green Growth Paradigm</p> <p>Esther Sekyoung CHOI (Korea) <i>The Global Green Growth Institute</i></p> |
| P-039 | <p>A Study on Carbon Storage of Domestic Harvested Wood Products by Using MFA in Korea</p> <p>Eun-Kyung JANG (Korea) EcoServices Consulting</p> |
| P-040 | <p>Substance Flow Analysis of Steel Alloying Elements Focusing on the End of Life Vehicle Recycling</p> <p>Yosuke IIZUKA (Japan) Tohoku University</p> |

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| P-041 | <p style="text-align: center;">Sustainability of Metals throughout the Primary and Secondary Resources</p> <p style="text-align: center;">Hiroki HATAYAMA (Japan) National Institute of Advanced Industrial Science and Technology</p> |
| P-042 | <p style="text-align: center;">Material Flow Analysis of Major Crops in the World</p> <p style="text-align: center;">Masaki NAKAZONO (Japan) Tokyo University of Science</p> |
| P-043 | <p style="text-align: center;">Global-Scale Substance Flow of Zinc Associated with Steel</p> <p style="text-align: center;">Ichiro DAIGO (Japan) The University of Tokyo</p> |
| P-044 | <p style="text-align: center;">Material Flow Analysis of Aluminum Focusing on its Alloying Elements Based on WIO-MFA Model</p> <p style="text-align: center;">Tetsuya NAKAMURA (Japan) Tohoku University</p> |
| P-045 | <p style="text-align: center;">Substance Flow Analysis of Zinc in Korea</p> <p style="text-align: center;">Daeun LEE (Korea) Konkuk University</p> |
| P-046 | <p style="text-align: center;">Estimation of CO2 Reduction Effect due to the Home Appliance Replacement Policy in China</p> <p style="text-align: center;">Xianjun LU (Japan) The University of Kitakyushu</p> |
| P-047 | <p style="text-align: center;">Assessing Value Distribution in WEEE Processing through MFA</p> <p style="text-align: center;">Maria Helena TORN (Finland) Aalto University</p> |
| P-048 | <p style="text-align: center;">Environmental Impacts of Nuclear Energy: The Japanese Case</p> <p style="text-align: center;">Jun KONO (Switzerland) ESU-Services Ltd.</p> |
| P-049 | <p style="text-align: center;">Study of Biodiesel Production Process Technologies from Crude Palm Oil Based on Life Cycle Assessment (LCA)</p> <p style="text-align: center;">Rosmeika - - (Indonesia) Agricultural Engineering</p> |
| P-050 | <p style="text-align: center;">Self-Organization Model for the Formation of Energy Independence District with Distributed Energy Network</p> <p style="text-align: center;">Takeshi ISHIDA (Japan) Nippon Institute of Technology</p> |

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| P-051 | <p>Life Cycle Assessment of Jatropha-Based Biodiesel Fuel Production by Superheated Methanol Vapor Method</p> <p>Teppei SEKIGUCHI (Japan) The University of Tokyo</p> |
| P-052 | <p>Scenario Analysis of Future Energy Systems Designed by Feasible Technologies</p> <p>Yasunori KIKUCHI (Japan) The University of Tokyo</p> |
| P-053 | <p>Future Performance of Photovoltaic Power Generation with Storage Technology Considering Electric Daily Load</p> <p>Yoshifumi TAKAYAMA (Japan) The University of Tokyo</p> |
| P-054 | <p>A Life Cycle Analysis of Biomass to Liquid Based on Actual Fuel Consumption</p> <p>Yutaro WATANABE (Japan) Tokyo University of Science</p> |
| P-055 | <p>Environmental Study of Crystalline Silicon Photovoltaic Systems</p> <p>Byung-ju KIM (Korea) Konkuk University</p> |
| P-056 | <p>Impacts of Jatropha Biodiesel and by Products Use for Local Community; Case Study in North of Thailand</p> <p>Pornpimon BOONKUM (Japan) Waseda University</p> |
| P-057 | <p>Life Cycle Assessment on Pyroprocess as a Nuclear Spent Fuel Management Technology</p> <p>Heetae KIM (Korea) Sungkyunkwan University</p> |
| P-058 | <p>Energy-Exergy Analysis of the Kalina Solar System with an Auxiliary Superheater</p> <p>Faming SUN (Japan) Ritsumeikan University</p> |
| P-059 | <p>Geological Analysis on Photovoltaic Potential, CO2 Reduction, and Cost Payback for Photovoltaic Deployment</p> <p>Kotaro KAWAJIRI (U.S.A) National Institute of Advanced Industrial Science and Technology</p> |
| P-060 | <p>Outcome of Rapid Growth of Renewable Energy in a Case Study of Photovoltaic</p> <p>Kotaro KAWAJIRI (U.S.A) National Institute of Advanced Industrial Science and Technology</p> |

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| P-061 | <p>Comprehensive Sustainability Assessment of Clean Energy Technologies toward 2050</p> <p>Sangwon SUH (U.S.A) University of California</p> |
| P-062 | <p>The Development of Water Inventory Database Considering Water Consumption and Pollution</p> <p>Yuya ONO (Japan) Tokyo City University</p> |
| P-066 | <p>Impact Assessment of Food Waste Generation by Food Consumption Style</p> <p>Munsol JU (Japan) National Institute for Environmental Studies</p> |
| P-067 | <p>Development of a Life Cycle Inventory Database for Agricultural Production Systems in Japan: the JALCA Database</p> <p>Kiyotada HAYASHI (Japan) National Agriculture and Food Research Organization</p> |
| P-068 | <p>Life-Cycle Greenhouse Gas Emissions of Present and Near-Future Livestock Manure Management System in Japan</p> <p>Akifumi OGINO (Japan) National Agriculture and Food Research Organization</p> |
| P-069 | <p>Application of Life Cycle Assessment to Forage Production Systems with Special Attention to Regional Management of Organic Resources: The Case of a Dairy Production Area in Hokkaido</p> <p>Motoko SHIMURA (Japan) National Agriculture and Food Research Organization</p> |
| P-070 | <p>Agricultural Waste Utilization for Healthy Environment and Sustainable Lifestyle</p> <p>Pardip Singh SHEHRAWAT (India) Chaudhary Charan Singh Haryana Agricultural University</p> |
| P-071 | <p>Eco-Efficiency and Greenhouse Gas Emissions in Meat</p> <p>Hong Qin YU (Japan) Nippon Institute of Technology</p> |
| P-072 | <p>Seasonal Variation Analysis of Greenhouse Gas Emissions at Slaughtering Processes</p> <p>Tatsuo HISHINUMA (Japan) Utsunomiya University</p> |
| P-073 | <p>Application of Environmentally Extended Input-Output Modeling in Corporate Carbon Accounting</p> <p>Clemens RAQUE (Germany) Hochschule Pforzheim University</p> |

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| P-075 | <p>Finding Environmentally Important Clusters: Multiway Cut Approach Using Nonnegative Matrix Factorization</p> <p>Shigemi KAGAWA (Japan) Kyushu University</p> |
| P-076 | <p>Life Cycle Assessment Study on Environmental Performance of Electricity Generated from Wind Power Plant</p> <p>Kittipoj DATCHANEEKUL (Thailand) National Metal and Materials Technology Center</p> |
| P-077 | <p>Towards a Sustainable Energy System: Evaluation of the Potential of Anaerobic Digestion Gas Technologies through LCA</p> <p>Jeerayoos TANTIWIWAT (Japan) University of Tsukuba</p> |
| P-078 | <p>Sustainable Wastewater Management from Paper Recycling Activities in Vietnam: Case Study in Phong Khe Craft Village</p> <p>Khue Minh DAO (Japan) University of Tsukuba</p> |
| P-080 | <p>MFCA Implementation in Small and Medium Enterprises (SME) in Malaysia: A Case Study of Ice Cream Factory</p> <p>Mohammad Amin AMERI (Malaysia) University of Malaya</p> |
| P-081 | <p>Cost Benefit Analysis of Air Pollution Abatement Projects in Ulaanbaatar</p> <p>Enkhtsolmon OTGONBAYAR (Japan) The University of Kitakyushu</p> |
| P-082 | <p>Environmental Impact Associated with the Spread of Electric Bicycles in China</p> <p>Jing CHEN (Japan) Nippon Institute of Technology</p> |
| P-083 | <p>Simulation of the Waste Management in Bandung, Indonesia</p> <p>Tomohisa ISHII (Japan) Tokyo University of science</p> |
| P-084 | <p>Paradigm Shift by Industrial Symbiosis in Japanese Sewage Treatment Plant</p> <p>Hirotsugu KAMAHARA (Japan) Toyohashi University of Technology</p> |
| P-086 | <p>Tracing Engineered Nanooxides in a Full Scale Waste Incineration Plant</p> <p>Carl O. VADENBO (Schweiz) ETH Zurich</p> |

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| P-087 | <p>Environmental and Risk Assessments for Alternative Biomass-Composite Fuels Containing Waste Vegetable Oil for a Small Diesel Engine</p> <p>Mansu CHO (Japan) Mio University</p> |
| P-088 | <p>Life Cycle Management of Bioplastic towards Sustainable Future in Thailand: A Case Study of Grocery Bag in Sa-med Island</p> <p>Pomthong MALAKUL (Thailand) National Metal and Materials Technology Center</p> |
| P-089 | <p>Modeling of CO2 Budget for Construction Timber Considering Forest-Growth Cycle</p> <p>Takuhei USHIRO (Japan) Graduate School of Keio University</p> |
| P-090 | <p>WEEE Recycling Impact Assessment in Taiwan by Waste Input Output Analysis Model</p> <p>Pei Chieh HSU (Japan) Waseda University</p> |
| P-091 | <p>Assessment of Energy Efficiency for Industrial Symbiosis-The Case in Southern Taiwan</p> <p>Lu Guan LIN (Taiwan/R.O.C.) Nation Taipei University</p> |
| P-092 | <p>Development of End of Life Vehicle Recycling System for the Efficient Use of Steel Alloying Elements</p> <p>Hajime OHNO (Japan) Tohoku University</p> |
| P-094 | <p>Chemical Form of Metal in Landfills and its Temporal Change</p> <p>Manami OKUNO (Japan) Waseda University</p> |
| P-095 | <p>Clarifying Metal-Enriched Zones in Landfills, Using Resistivity and Induced Polarization Measurements</p> <p>Toshinori SAKURAMA (Japan) Waseda University</p> |
| P-096 | <p>Assessing the Recycling Technologies of Tomorrow</p> <p>Jan Paul LINDNER (Germany) Fraunhofer IBP</p> |
| P-097 | <p>An Appropriate Comminution Method for Recycling of Wasted Circuit Boards</p> <p>Kazuki TAHARA (Japan) Waseda university</p> |

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| P-098 | Eco-Efficiencies of Rare Metals Recovered from Spent Batteries Kyounghoon HAN (Korea) Konkuk University |
| P-099 | Picturing a Multi-Sectoral Economy in terms of Iron Element Chen LIN (China) Shandong University |
| P-101 | Estimation of Future Generation of Industrial Solid Waste in Iskandar Malaysia Tomohito HAMADA (Japan) Okayama University |
| P-102 | Substance Flow Analysis on Agricultural Nutrient for Food Production Masafumi MIZOGUCHI (Japan) Tohoku university |
| P-104 | A Methodology for the Life Cycle Energy Assessment of an Urban Plan Etienne BURDET (France) Universite Paris-Est |
| P-105 | Development Global Damage Factors of Resource Consumption in LIME3 Takeshi MATSUDA (Japan) Pacific consultants Co., Ltd. |
| P-106 | Development of Biodiversity Impact Assessment Method for Evaluating Company Activities Kazue Ichino TAKAHASHI (Japan) Nippon Telegraph and Telephone Corporation |
| P-107 | Allocation vs. System Expansion: A Systematic Comparative Framework Using Matrix-Based Sensitivity Coefficients Johannes JUNG (Germany) RWTH Aachen University |
| P-108 | Development of LCIA Methodology for Mineral Resource Considering Geographical Differences Maki WATANABE (Japan) Tokyo City University |
| P-109 | Development of Business Skills Matching System for Human Resource Transfer from Declining Industries to Renewable Energy Industries Tomohiro TABATA (Japan) Kobe University |

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| | Optimisation and Game Theory Approaches for Allocation in LCAs |
| P-110 | Mario SCHMIDT (Germany) Pforzheim University |
| | IMPACT World+: A New Global Regionalized Life Cycle Impact Assessment Method |
| P-111 | Cecille BULLE (U.S.A) University of Michigan |
| | Uncertainty Analysis of the LCA Results of Transport Infrastructure Development by Mode |
| P-112 | Ryoko MORIMOTO (Japan) Nagoya University |
| | Development of Impact Assessment for Chemical Substances Covering PRTR Substances |
| P-114 | Shun ARAI (Japan) Tokyo city university |
| | Quantitative Estimation of Biomass Energy and Comprehensive Evaluation of Biomass Utilization Potential:-A Case Study of Jilin Province, China |
| P-115 | Junnian SONG (Japan) University of Tsukuba |
| | Development of Damage Assessment Method for Plant Species Diversity Caused by Global Warming in LCA |
| P-116 | Long-long TANG (Japan) Tokyo city university |
| | Development of Global Scale Weighting Factors in LIME3 |
| P-118 | Kayo MURAKAMI (Japan) Tokyo City University |
| | Feasibility Study of Methane Fermentation Treatment of Green Tea Residue and Coffee Residue from a Soft Drinks Factory |
| P-119 | Naoyuki KOJIMA (Japan) Nippon Institute of Technology |
| | The Environmental Profile of Stone-Paper |
| P-120 | Takumi KAWASHIMA (Japan) Kogakuin University |
| | Carbon Footprint of Recycling Service in Waste Treatment |
| P-121 | Yuki SAKAMOTO (Japan) Nara Sangyo University |

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| P-122 | <p>A Methodology for Carbon Footprinting of Package Tours</p> <p>Naoki SHIBAHARA (Japan) Nagoya University</p> |
| P-123 | <p>Research Challenges and Needs for Disseminating Life Cycle Thinking towards Consumers' Environmental Conscious Behaviors</p> <p>Kazutoshi TSUDA (Japan) Osaka University</p> |
| P-124 | <p>Adopting Clean Development Mechanism for Sustainable Development and Economic Growth in Bangladesh</p> <p>Mohammad SHAHJAHAN (Japan) University of Tsukuba</p> |
| P-125 | <p>A Study on Cooperative Development of Low Carbon & Green Product Development Using SCM</p> <p>Sun-Young KIM (Korea) EcoNetwork.Co., Ltd</p> |
| P-126 | <p>Analysis of Eco-Labeling in Japan and Possibility of Standardized and Unified Eco-Mark</p> <p>Genta UCHIDA (Japan) Higano Laboratory</p> |
| P-127 | <p>Development of Eco-Efficiency Indicators for Passenger Transport Modes Considering Travel Scenes and Situations</p> <p>Yuki MASUDA (Japan) Nagoya University</p> |
| P-128 | <p>The Development of an Advanced Process Simulator on Bio-DME Production through Blue Tower Process.</p> <p>Tomoyuki ISHIYAMA (Japan) Tokyo University of Science</p> |
| P-129 | <p>Multi-Scale, Multimedia Modeling with Pangea - Local to Global Human Health Impacts of Emissions in Multiple Continents</p> <p>Olivier JOLLIET (U.S.A) University of Michigan</p> |
| P-130 | <p>Policy Analysis of Municipal Waste Collection in New Taipei City</p> <p>He-Shiang LIN (Taiwan/R.O.C) Jinwen University of Science and Technology</p> |
| P-131 | <p>Green Roof as Ecodesign for Thermal Performance and Energy Conservation in Tropical City</p> <p>C.Y. JIM (China) The University of Hong Kong</p> |

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| P-132 | <p>River Formation Dynamics Approach for Solving Disassembly Line Balancing Problem</p> <p>Kenichi NAKASHIMA (Japan) Kanagawa University</p> |
| P-133 | <p>Negative Knowledge and Eco-Design</p> <p>Harald Ernst OTTO (Italy) Polytechnic University of Marche</p> |
| P-135 | <p>Carbon Footprint and Water Footprint of Sugarcane Farming in India</p> <p>Akito ASAKI (Japan) Tokyo City University</p> |
| P-137 | <p>Introducing Integrated E-waste Management Systems in Mongolia: Learning from the Experience of Developed Nations</p> <p>Tuvshinjargal GANTUMUR (Japan) University of Tsukuba</p> |
| P-138 | <p>The Green House Gas Inventory Program for a High Rise Building in Taipei</p> <p>Cheng Hsiang CHEN (Taiwan/R.O.C) Jinwen University of Science and Technology</p> |
| P-139 | <p>CO2 Reduction and Energy Cost by the Use of Wood Pellet and Solar Heating for Air Conditioning System at Kyoto University</p> <p>Junya YANO (Japan) Kyoto University</p> |
| P-140 | <p>Estimating the Change in Life Cycle Carbon Dioxide Emissions Introduction of Light Rail Transit</p> <p>Shingo MANO (Japan) Nagoya University</p> |
| P-142 | <p>Research into the Life Cycle Assessment of Local Wood Used in the Construction of Houses</p> <p>Hideki TAKAMURA (Japan) Shinshu University</p> |
| P-143 | <p>Harmonizing LCA Metrics for the European Construction Industry</p> <p>Bastian WITTSTOCK (Germany) Fraunhofer Institute for Building Physics</p> |
| P-144 | <p>Sustainable Energy Consumption in Developing Countries: An Analysis on Thailand's Household Socio-Economic Survey</p> <p>Saranyupa CHAIPRASITHIKUL (Japan) Keio University</p> |

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| P-145 | <p>A Method to Estimate Inventory Data on Foreign Products: Verification of the Estimated through Comparison with Surveyed Data on Several Countries</p> <p>Kensuke KOBAYASHI (Japan) <i>Tokyo University of Science</i></p> |
| P-146 | <p>Development of Land Use Area Inventory Database Using Japan's Input-Output Table Considering the Difference in Productivities of Exporting Countries</p> <p>Ken Horiguchi (Japan) <i>Tokyo City University</i></p> |
| P-148 | <p>Requirements for Coexistence and Co-Prosperity among Stakeholders Related to Geothermal Power Generation and Hot Springs</p> <p>Hiromi KUBOTA (Japan) <i>Central Research Institute of Electric Power Industry</i></p> |
| P-150 | <p>A Study on the Potential for Waste Reduction and Recycling by 3Rs Promotion Measures</p> <p>Yasuhiro MATSUI (Japan) Okayama University</p> |
| P-151 | <p>Greenhouse Gas Emission Potential and its Mitigation Scenarios on Municipal Solid Waste Management in Vietnam</p> <p>Nguyen Phuc THANH (Japan) <i>Okayama University</i></p> |
| P-152 | <p>Use of LCM Approach in the Corporate Decision-Making Process - A Brazilian Experience Aimed at the Specialty Chemical Industry</p> <p>Luiz KULAY (Brazil) <i>University of Sao Paulo</i></p> |
| P-153 | <p>Risk Management Based on Trade-Off Analysis by Information Sharing among Stakeholders Involved in Printing Industry</p> <p>Sayuri TANAKA (Japan) <i>The University of Tokyo</i></p> |
| P-154 | <p>Analysis of Activities along the Cocoa Supply Chain in Ghana and their Effect on the Sustainability Matrix of the Industry</p> <p>George AFRANE (Ghana) <i>University of Ghana</i></p> |
| P-155 | <p>The World Food LCA Database (WFLDB) Project: Towards More Accurate Food Datasets</p> <p>Sebastien HUMBERT (Switzerland) Quantis</p> |
| P-156 | <p>Numerical Approaches to Optimize the Global Photovoltaic Supply Chain</p> <p>Kotaro KAWAJIRI (United States) National Institute of Advanced Industrial Science and Technology</p> |

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| P-157 | <p>Environmental Data Exchange in Multi-Modal Transport Business Chains</p> <p>Raul CARLSON (Sweden) Viktoria Institute</p> |
| P-158 | <p>Towards Sustainable Municipal Solid Waste Management (MSWM) in Jordan: A Life Cycle Assessment Study</p> <p>Mahdi IKHLAYEL (Japan) University of Tsukuba</p> |
| P-159 | <p>Substance Flow Analysis of 14C in Wood, Construction Materials and Houses</p> <p>Yasuhiro HIRAI (Japan) Kyoto University</p> |
| P-160 | <p>Building a Smart Waste Management for a Low-Carbon Society - Case Study of Cyberjaya, Malaysia</p> <p>Siti Norbaizura MD REJAB (Japan) Okayama University</p> |
| P-161 | <p>International Material Flow Analysis on Phosphorus Related with Agricultural Product Consumption</p> <p>Takeshi MORIMURA (Japan) Tohoku universiy</p> |
| P-162 | <p>Life Cycle Assessment of Municipal Solid Waste Management in Chinese Urban Areas: Case Study in ChongQing City</p> <p>Wenyu HUANG (Japan) University of Tsukuba</p> |
| P-163 | <p>Evaluation of the Comprehensive Utilization System of Crops Straw in China: A Case Study of Heilongjiang Province</p> <p>Xuemei JIN (Japan) University of Tsukuba</p> |
| P-164 | <p>Development of Theoretical Model for Appropriate Sound Material-Cycle Blocks Considering the Properties of Recyclable Resources</p> <p>Atsushi FUJIYAMA (Japan) The University of Kitakyushu</p> |
| P-165 | <p>Environmental and Socio-Economic Aspects of Solid Waste Recovery and Recycling in Bangladesh: A Case Study of Dhaka City</p> <p>Moushumi ZAHUR (Japan) University of Kitakyushu</p> |
| P-166 | <p>Recommendation of development of a new framework to assess CO2 emission reduction by using LCA</p> <p>Masahiko SHIBATA (Japan) Mizuho Information & Research Institute, Inc.</p> |