

ISEE 2022 Timetable_ver.6(1024)

(This schedule may be subject to change.)

Nov. 2nd (WED)	Only off-line session (No zoom)					
13:00	Registration					
16:20~17:40	Workshop of ISEE2022					
Chair	Yong-Chul Jang(Organizing International Symposium Chair of ISEE2022, Korea)					
16:20 ~ 16:40	[W-01_invited] In person E-waste Management and Challenges in Malaysia Agamuthu Pariatamby, Sunway University, Malaysia					
16:40 ~ 17:00	[W-02_invited] In person Prevalence of Microplastics in Landfill Leachate Emenda Sembiring, Bandung Institute of Technology, Indonesia					
17:00 ~ 17:20	[W-03_invited] In person Collection and Recycling of Portable Rechargeable Batteries and Safety Issues in Japan Atsushi Terazono, National Institute for Environmental Studies, Japan					
17:20 ~ 17:40	<ISEE2022 and partner companies> E-Cycle Governance, Korea Packaging Recycling Cooperative, Yoongpoong, SungEel HiTech, SK ecoplant, Samsung					
19:00~21:00	★Gala Dinner (Samjung Hotel)					
Nov 3rd (THU)	Hybrid(Off-line & Online)					
09:00 ~	Registration					
10:00 ~ 10:30	Opening Ceremony					
	Host: Yong-Chul Jang(Organizing International Symposium Chair of ISEE2022, Korea)					
	[Opening Remarks] Jae Young Kim(Chair of ISEE2022, Korea)					
	[Congratulatory Remarks 1] Wha-jin Han (Minister, Ministry of Environment, Korea)					
	[Congratulatory Remarks 2] Hackyoung Lee(Member of National Assembly, Korea)					
10:45 ~ 12:15	Keynote Speeches					
Chair	Jin Chul Joo(Hanbat National University, Korea)					
10:45 ~ 11:15	(In person) [Keynote Speech 1] Game Changing Developments in E-waste Recycling in the Age of Electric Vehicles Kang In Rhee, President, Young Poong Co., Ltd., Korea					
11:15 ~11:45	(In person)[Keynote Speech 2] The Basel Convention: Addressing WEEE Movements around the World Carlos Martin-Novella, Deputy Executive Secretary, Basel, Rotterdam and Stockholm Convention, Switzerland					
11:45 ~ 12:15	(Online)[Keynote Speech 3] E-Waste: A Hazardous Treasure Evangelos Gidarakos, President, International Waste Working Group(IWWG), Greece					
12:15~13:30	Lunch					
Venue	Auditorium 2	Auditorium 5	Auditorium 6	Conference room 2	Conference room 3	Auditorium 7
13:30 ~ 15:10 ('100)	Basel Forum I	A1. WEEE Management	B1. Recycling Technology of WEEE and ELV	C. Industrial Waste	D. Waste to Energy	Special Session 1 Plastic and Circular Economy
Chair	Seung-Whee Rhee (Kyonggi University, Korea)	Young-sam Yoon(National Institute of Environmental Research, Korea), Jae Hac Ko(Jeju National Univ., Korea)	Gil-Jong Oh(Korea Waste Association, Korea), Hung Chul Kim(Ford Motor Company, USA)	Junbeum Kim(University of Technology of Troyes, France), Munsol Ju(Korea Environment Institute, Korea)	Yeon-Seok Choi (Korea Institute of Machinery and Materials, Korea), Sokheejung P. Jung(Chonnam National University, Korea)	Yong-Chul Jang (Chungnam National University, Korea) Eun-Ah Kim(National Assembly Futures Institute, Korea)
13:30 ~ 13:50	Opening Chair: - Phil-Goo Kang, National Institute of Environmental Research, Korea Opening Remarks : - Seung-Whee Rhee, Korea Basel Forum, Korea Welcome Remarks : - Dongjin Kim, National Institute of Environmental Research, Korea Congratulatory Remarks : - Carlos Martin-Novella, Deputy Executive Secretary, Basel, Rotterdam and Stockholm Convention, Switzerland	(In person) [A1-01_invited]Current State of E-Waste Sampling in Germany Werner Bauer, WtERT Germany GmbH, Germany	(In person) [B1-01]Rapid and Selective Recovery of Precious Metals Pd and Pt from Autocatalyst Leachate Using a Novel Polymeric Adsorbent Wook-Jin Chung, Myongji University, Korea	(In person)[C-01_invited] Emerging Technologies and Emerging Wastes: Challenges and Opportunities Junbeum Kim, University of Technology of Troyes, France	(In person)[D-01]Pyrolysis oil production from waste plastics in a molten salt reactor Sang Kyu Choi, Korea Institute of Machinery & Materials, Korea	(In person)[S1-01_invited] 20 years of EPR for plastic waste management in South Korea: lessons and challenges Yong-Chul Jang, Chungnam National University, Korea
13:50 ~ 14:10	(In person) [BF-01_invited]Environmentally Sound Transboundary movement of Electronic waste for Circular Economy Agamuthu Pariatamby, Sunway University, Malaysia	(In person)[A1-02] Understand the e-waste contribution and people’s recycling behaviour in Hong Kong through a territory-wide recycling programme for USB cables Janet K.Y. Chan, The University of Hong Kong, Hong Kong	(In person) [B1-02] Microwave-assisted green leaching of platinum group metals using ionic liquids with low dielectric constants from spent automotive catalysts Che-Ryong Lim, Jeonbuk National University, Korea	(In person)[C-02]Development and Implication of a Korean Waste Input-Output Table Jooyoung Park, Seoul National University, Korea	(In person)[D-02]Material Corrosion Troubles on heat recovery section in waste to energy facility Ha-Na Jang, Yonsei University, Korea	(In person)[S1-02_invited]Negotiation progress for an international agreement on ending plastic pollution Craig Bolijkovac Tsinghua University, China
14:10 ~ 14:30	(In person)[BF-02] Advanced Strategy for Transboundary Movement of Plastic Waste in Korea Young-Yeul Kang, National Institute of Environmental Research, Korea	(Online)[A1-03] Consumption and disposal behaviors of primary and secondary batteries from households Junya Yano, Kyoto University, Japan	(In person) [B1-03]Ionic liquid assisted recovery of cobalt and nickel metals from spent lithium-ion batteries (LIBs) Tirath Raj, Yonsei University, Korea	(In person)[C-03]Current Status of Healthcare Waste Generation and Management of a Facility for Sterilization and Crushing of Healthcare waste in the Republic of Korea Yoon-Soo Park, National Institute of Environmental Research, Korea	(In person) [D-03]Evaluation of the recycling potential in accordance with pretreatment efficiency for ash discharged from waste incineration facilities in Korea Myung Kyu Choi, Yonsei University, Korea	(Online)[S1-03_invited] 30 Years of EPR for Packaging in Germany – achievements and outlook Ursula Denison, DER GRÜNE PUNKT – Duales System Deutschland, Germany
14:30 ~ 14:50	(In person)[BF-03_invited] The Hong Kong Response to the Basel Convention Plastic Waste Amendments Shan Shan Chung, Hong Kong Baptist University, Hong Kong	(In person)[A1-04] Role of Informal Sector in Sustainable Resource Recycling from E-waste Abhishek Kumar Awasthi, Nanjing University, China	(In person) [B1-04]Diluted formic acid (DFA) assisted leaching of valuable metals (Li and Co) from spent LiCoO2 cathode material under hydrothermal conditions Theoneste Nshizirungu, Chonnam National University, Korea	(Online)[C-04]Beneficial utilization of river dredged material as fine aggregate in concrete Denvert Pangayao, Industrial Technology Development Institute, Philippines	(In person)[D-04]Torrefaction of Spent Coffee Ground to Enhance Fuel Characteristics Rabin Nepal, Kongju University, Korea	(In person)[S1-04_invited] Extended Producer Responsibility (EPR) status in Indonesia, is it for Circular Economy or Marine Debris Leakage Reduction? Emenda Sembiring, Bandung Institute of Technology, Indonesia
14:50 ~ 15:10	(Online)[BF-04_invited] The Role of PH Government and Private Business in Ecological Trans-boundary Movement for Circular Economy Arturo Mariano I. Figueroa, Holy Angel University, Philippines	(Online) [A1-05] Challenges in transforming the collection, pre- process and end use of e-waste from informal sector to formal sector in Sri Lanka Janaka C. Wijesekera, Sisili Hanaro Encare, Sri Lanka	(In person) [B1-05] Recovery of Metal Concentrates from Waste Printed Circuit Boards by Pyrolysis and Mechanical Separation Kurniawan Kurniawan, Korea University of Science and Technology, Korea	(Online)[C-05] Experimental work on leaching of printed circuit boards Sankar Bhattacharya, Monash University, Australia	(Online)[D-05]Characterization of ash samples from sewage sludge incinerated in the fluidized bed rig Dhawal Shah, Nazarbayev University, Kazakhstan	Discussion

15:10 ~ 15:30	Coffee Break					
15:30 ~ 17:10 ('100)	Basel Forum II	A2. WEEE/ELV Management	Special Session 2 Electric Vehicle Battery towards Circular Economy by Industry Initiatives	B2. Recycling Technology of WEEE and ELV	E. Assessment Tool	Special Session 3 Symposium on Seoul's Waste to Energy for Circular Economy
Chair	Craig Boljkovac(Tsinghua University, <i>China</i>)	Jaeshik Chung(Korea Institute of Science and Technology, <i>Korea</i>), Jooyoung Park(Seoul National University, <i>Korea</i>)	Jeongsoo Sohn(Korera Institute of Geoscience and Mineral Resources, <i>Korea</i>), Ji Hye Jo(Korea Environment Institute, <i>Korea</i>)	Shogo Kumagai(Tohoku University, <i>Japan</i>), Soo-Kyung Kim(Korera Institute of Geoscience and Mineral Resources, <i>Korea</i>)	Sora Yi(Korea Environment Institute, <i>Korea</i>) , Jun-Ki Choi(University of Dayton, <i>USA</i>)	Yong-Chil Seo(Yonsei University, <i>Korea</i>), KoUn Kim(The Seoul Institute)
15:30 ~ 15:50	(Online)[BF-05_invited] Management trend and import and export analysis of waste plastics in China Qingyin Dong, Tsinghua University, China	(Online)[A2-01_invited] E-waste and Circular Economy: Present and Future Prospects in the Philippines Arturo Mariano I. Figueroa, Holy Angel University, <i>Philippines</i>	(In person)[S2-01_invited] Prospects for battery life cycle in Korea towards circular economy Jeongsoo Sohn, Korea Institute of Geoscience and Mineral Resources, <i>Korea</i>	(In person)[B2-01] A combined PVC Swelling and Ball Milling Approach for Highly Efficient Recovery of High-Purity Cu and PVC from Waste Wire Harnesses Shogo Kumagai, Tohoku University, <i>Japan</i>	(In person)[E-01_invited] Micro and Macro Perspectives of Photovoltaic Recycling Planning Jun-Ki Choi, University of Dayton, <i>USA</i>	[Opening Ceremony] Role and Performance of Seoul's Waste-to-Energy Facilites for Circular Economy
15:50 ~ 16:10	(In person)[BF-06_invited] Approaching Circular Economy in the Plastic Recycling in Vietnam Huynh Trung Hai, Hanoi University of Science and Technology, Vietnam	(In person)[A2-02] Recycling and management practices of e-waste towards a circular economy in South Korea Yong-Chul Jang, Chungnam National University, <i>Korea</i>	(In person)[S2-02_invited]Environmental Issues on End-of-Life Battery from Next-Generation Vehicles in Japan Jeongsoo Yu, Tohoku University, <i>Japan</i>	(In person)[B2-02]Mechanical beneficiation of ITO concentrates from waste LCD panel for industrial scale indium valorization Basudev Swain, Insitute for Advanced Engineering, <i>Korea</i>	(In person)[E-02] LCA Framework to Evaluate the Carbon Footprint of Electric Vehicle Batteries Sung-Hoon Kim, Kangwon National University, <i>Korea</i>	(In person) [S3-01_invited] How to Support Carbon Reduction and Circularity by Suitable Waste Management (Recycling, Mass Reduction with energy recovery, and Landfill) Werner Bauer, WtERT Germany GmbH, <i>Germany</i>
16:10 ~ 16:30	(Online)[BF-07_invited] Status of adopting Extended Producer Responsibility (EPR) and Circular Economy in India Sadhan K. Ghosh, Jadavpur University, India	(In person)[A2-03] E-waste in Developing Countries: Addressing the Gaps in E-waste Management and Value Recovery Operations I.M. Saman K. Ilankoon, Monash University Malaysia, <i>Malaysia</i>	(Online)[S2-03_invited] Managing of End-of-Life batteries in Europe: Focus on Recycling Ulderico Ulissi, Rho Motion, <i>UK</i>	(In person)[B2-03]Rare Earths Recovery from Waste Permanent Magnets (WPMs) by Hydrometallurgical Methods Rajesh Kumar, Korea Institute of Geoscience & Mineral Resources, <i>Korea</i>	(In person)[E-03] Life Cycle Assessment of a Mobile Phone Containing Recycled Ocean Bound Plastic Young-chai Heo, Samsung, Korea	(Online) [S3-02_invited]The Current Situation of Waste to Energy and Towards Carbon Neutrality in Material Cycles and Waste Management in Japan Masaki Takaoka, Kyoto University, <i>Japan</i>
16:30 ~ 16:50	(In person)[BF-08_invited] Japan's Export Restrictions on Waste Plastic and a Case Study on Domestic and International Material Cycles of Plastic from Home Appliances Atsushi Terazono, National Institute for Environmental Studies, <i>Japan</i>	(In person)[A2-04] Environmental and Economical Benefits Analysis of the Remanufacturing of a Portable Power Bank Using Used EV Batteries Soo-Jin Yang, Inha University, <i>Korea</i>	(Online)[S2-04_invited] Current efforts and status of recycling technology development of electric vehicle battery in China Xue Wang, Suzhou Botree Cycling Sci & Tech Co., Ltd, <i>China</i>	(In person)[B2-04]Biocyanide-based innovative eco-friendly strategy for recovery of gold from waste printed circuit boards Duy Tho Tran, Jeonbuk National University, <i>Korea</i>	(In person)[E-04] Small WEEE plastics in Republic of Korea : Application Material flow analysis (MFA) and safety assessment for recycling Nahyeon Cho, National Institute of Environmental Research, <i>Korea</i>	(In person) [S3-03_invited]History of WtE Technologies and Their Development in Korea Yong-Chil Seo, Yonsei University, <i>Korea</i>
16:50 ~ 17:10	Discussion	(In person)[A2-05] Applicability Assessment of the Material Recycling for Manufacturing Aggregate Using Automobile Shredder Residues Melting Slag Soo-jin Cho, National Institute of Environmental Research, <i>Korea</i>	(In person)[S2-05] EV used battery management system in Korea On-Gyun Na Korea Environment Corporation, Korea	(In person)[B2-05] Sequential recovery of copper, silver, and gold from waste electrical and electronic equipment based on leaching and adsorption Xiaoyu Lin, Jeonbuk National University, <i>Korea</i>	Discussion	(In person) [S3-04_invited] Expected Multirole of New Age WtE Facility for SDGs and Circular Economy Transition in Seoul Dong Hoon Lee, University of Seoul, <i>Korea</i>
17:10 ~ 17:30	Coffee Break					(In person) [S3-05_invited]Long-Term Health Impact Monitoring Results of WtE Facilities in Seoul Yoon-Seok Chang, UNIST, <i>Korea</i>
17:30 ~ 18:30		Poster Presentation				(17:30 ~ 18:10) Q/A & Discussion Chair: Yong-Chil Seo(Yonsei University, <i>Korea</i>)
Chair		Yong-Kwon Park(University of Seoul, Korea), Sung-Ho Joo(Korera Institute of Geoscience and Mineral Resources, Korea)	Seok-Wan Kim(Daegu Haany University, Korea)	Dong-Jin Lee(National Institute of Environmental Research, Korea), Jongkeun Lee(Changwon National University, Korea)	Seok-Pyo Yoon(Semyung University, Korea), Sangwon Park(Korea Institute of Geoscience and Mineral Resources, Korea)	
17:30 ~ 18:30		PA. WEEE & ELV Management Policy & Recycling	PB. Plastic Waste and Circular City	PC. Biowaste and Biological Treatment	PD. Thermal Treatment and Disposal	
Nov. 4th (FRI)	Hybrid(Off-line & Online)					
09:30 ~ 11:30	Keynote Speeches					
Chair	Jin Chul Joo(Hanbat National University, <i>Korea</i>)					
	Announcement					
09:30~10:00	(In person)[Keynote Speech 4] Circular Economy of Electrified and Lightweighted Vehicles: Economic and Environmental Benefits Hyung Chul Kim, Research Scientist, Ford Motor Company, <i>USA</i>					
10:00~10:30	(In person)[Keynote Speech 5] New Recycling Processes of E-wastes using AI and IoT Technologies Seung-Whee Rhee, President, Korea Basel Forum, <i>Korea</i>					
10:30~11:00	(Online)[Keynote Speech 6] Zero Waste Initiative from Concept to Practice Jinhui Li, Professor, Tsinghua University, <i>China</i>					
11:00~11:30	(Online)[Keynote Speech 7] Tackling the E-Waste Challenge Pascal Leroy, Secretary General, WEEE Forum, <i>Belgium</i>					
11:30 ~ 12:30	Closing Ceremony					
	Host: Yong-Chul Jang(Organizing International Symposium Chair of ISEE2022, Korea)					
	[Farewell Remarks] Seung-Whee Rhee, Former President, Korea Society of Waste Management, Korea					
	Excellent Presentatons Awards(Chairman: Yong-Chul Jang)					
	[Closing Remarks] Yong-Chul Jang, Organizing International Symposium Chair of ISEE2022, Korea					
14:00~17:00	Technical Tour(Seoul Upcycling Plaza)					