The 13th International Conference on Advanced Materials and Devices

ICAMD 2023

International Symposium on Sustainable Materials II (iSusMat II)

Date & Time Dec. 4 (Mon) 14:45~16:45 / Dec. 5 (Tue) 14:45~16:15

Place Dec. 4 (Mon): 8F, Ora Hall / Dec. 5 (Tue): 8F, Tamna Hall [On & Off Hybrid Session]

Organized by New and Renewable Energy Research Center (NREC), Department of Physics, Ewha Womans University, Korea
Department of Materials, Imperial College of London, United Kingdom

Date	Time(Korea Time)	Presenter	Title
Dec. 4 (Mon)	**Dec. 4 (Mon) 14:45~16:45 | Session 1 | Chair: Gee Yeong Kim (Korea Institute of Science and Technology, Korea)**		
	14:45-15:09	Jun Ho Kim (Incheon National University)	Development of high efficiency of kesterite solar cells with various characterization techniques
	15:09-15:33	DongHoe Kim (Korea University)	Interface study for Sn-Pb mixed perovskite solar cells
	15:33-15:57	Jooyoung Sung (Daegu Gyeongbuk Institute of Science and Technology)	Deciphering Hidden Charge Carrier Dynamics in Perovskite Thin Films by fs-Microscopy
	15:57-16:21	Shuxia Tao (Eindhoven University of Technology)	Taming defects in halide perovskites: insights from atomistic and molecular modelling
	16:21-16:45	Keith McKenna (York University)	Reconstruction of extended defects in antimony sulfoselenides: atomic structure and electronic properties
Dec. 5 (Tue)	**Dec. 5 (Tue) 14:45~16:45 | Session 2 | Chair: Ji-Sang Park (Sungkyunkwan University, Korea)**		
	14:45-15:09	Joongoo Kang (Daegu Gyeongbuk Institute of Science and Technology)	First-principles modeling of fully ionic thermoelectricity
	15:09-15:33	Hyeyoung Shin (Chungnam National University)	Enhancing Oxygen Evolution Reaction Efficiency on Nickel Oxyhydroxide Electrocatalysts: Insights from Quantum Mechanics Calculations
	15:33-15:57	Hui-Seon Kim (Inha University)	Tailored interface for perovskite solar cells
	15:57-16:21	Jovana V. Milic (University of Fribourg & EPFL)	Multifunctional Hybrid Perovskite Materials in Photovoltaics
	16:21-16:45	Keith butler (Queen Mary University of London)	Deep learning for sustainable materials design, opportunities and challenges