

Symposium 5: Self-Power Generators

February 25 (WED)

Time	Program	
	[S5-1] Self-Power Generators	
	Chair: Kim, Sang-Woo (SKKU)	
13:30-14:00	[2111359] Self-Power Generator (Keynote Talk I)	Willander, Magnus (BINN)
14:00-14:30	[2095185] Self-Powered Flexible Electronic Systems	Lee, Keon Jae (KAIST)
14:30-15:00	[2107443] Development of Self-powered Energy Harvesting Systems	Liu, Huicong (Soo Chow University)
15:00-15:30	[2094705] Triboelectric Nanogenerator as Self-Power Source in Applications of Photo-Electric-Catalysis and Implantable Biosensor	Liu, Hong (BINN)

Time	Program	
	[S5-2] Self-Power Generators	
	Chair: Lee, Keon Jae (KAIST)	
15:50-16:20	[2114133] Development of Heusler Fe ₂ VAl alloy and thermoelectric module for power generation device	Mikami, Masashi (AIST)
16:20-16:50	[2114015] Powerful Curved Piezoelectric Generator for Wearable applications	Kang, Chong-Yun (KIST)
16:50-17:20	[2111464] Integrated energy generation and storage enabled by fabric-based wearable triboelectric nanogenerator and lithium-ion battery	Hu, Weiguo (BINN)
17:20-17:50	[2094736] Hematite nanostructures for high efficient energy applications	Sun, Xuhui (Soo Chow University)

February 26 (THU)

Time	Program	
	[S5-3] Self-Power Generators	
	Chair: Kang, Chong Yun (KIST)	
10:40-11:10	[2094815] High performance triboelectric generators with hybrid mechanism (Keynote Talk II)	Zhang, Haixia (Peking University)
11:10-11:40	[2091021] Hybrid Energy Cells for Simultaneously Harvesting Energies in Living Environment	Yang, Ya (BINN)
11:40-12:00	[2114242] Vibration Behaviors of Triboelectric Generators under External Conditions	Bhatia, Divij (Kyung Hee University)

Time	Program	
	[S5-4] Self-Power Generators	
	Chair: Choi, Dukhyun (Kyung Hee Univ)	
13:30-14:00	[2114294] MEMS Electrostatic Vibration Energy Harvester and Black Silicon: last results from Université Paris-Est	Basset, Philippe (ESIEE)
14:00-14:30	[2111205] Triboelectric Nanogenerator with Stable Performance	Baik, Jeong Min (UNIST)

14:30-15:00	[e-mail] Can LiNbO ₃ be an alternative for PZT in vibrational energy harvesters?	Bartasyte, Ausrine (University of Franche-Comté)
15:00-15:30	[2112033] Non-centrosymmetric (NCS) Structure of Lead-free Nanogenerator	Wu, Jyh Ming (National Tsing Hwa University)

Time	Program	
	[S5-5] Self-Power Generators	
	Chair: Baik, Jeong Min (UNIST)	
15:50-16:20	[2109580] Beyond ZnO Nanowires for Piezotronics and Nanogenerators	Migliorato, Max (The University of Manchester)
16:20-16:50	[2099658] Piezoelectric and Photovoltaic Hybrid Energy Generator	Choi, Dukhyun (Kyung Hee University)
16:50-17:20	[2091089] Contact Electrification Field-Effect Transistor for a New Field of Tribotronics	Zhang, Chi (BINN)
17:20-17:40	[2107633] Bimorph Umbrella-Type Piezoelectric Energy Harvester	Tsaplev, Valery (Saint-Petersburg Electrotechnical University)
17:40-18:00	[2108298] Conductive Woven Fiber Based Wearable Triboelectric Nanogenerator	Seung, Wanchul (SKKU)

February 27 (FRI)

Time	Program	
	[S5-6] Self-Power Generators	
	Chair: Hinchet, Ronan (SKKU)	
09:00-09:20	[2114018] Enhanced output power of piezoelectric flexible energy harvester based on PVDF film using finite element analysis	Lee, Minjae (Korea University)
09:20-09:40	[2111342] Transparent, Flexible Graphene Triboelectric Nanogenerators	Kim, Seongsu (SKKU)