

The 7th HU-SNU Joint Symposium on Materials Science and Engineering

Date November 9, 2018
 Venue Materials Engineering and Chemistry Bldg. MC102, Faculty of Engineering, HU
 Chair Persons Naoyuki HASHIMOTO, Professor, Graduate School of Engineering, HU
 Heung Nam HAN, Professor, Dep. of Materials Science and Engineering, SNU

Time	Program	Speaker
9:30-9:40	Opening	Prof. Naoyuki HASHIMOTO
9:40-10:00	Ductility Enhancement of Tungsten after Plastic Deformation	Prof. Heung Nam HAN Materials Science and Engineering, SNU
10:00-10:20	Functional Microchannel Lining for Metallic Microreactor Systems	Prof. Tatsuya OHMI Materials Science and Engineering, HU
10:20-10:40	In situ observation of Cu electrodeposition and dissolution on Au(111) by using high speed AFM	DC Taiki YOSHIOKA Materials Science and Engineering, HU
10:40-10:50	Coffee Break	
10:50-11:10	Direct observation of surface atomic reconstructions and electronic structures in Mn ₃ O ₄ nanoparticles	Prof. Miyoung KIM Materials Science and Engineering, SNU
11:10-11:30	Development and Characterization of γ/α transformable FeCrAl-ODS Alloys	DC Shenghua ZHANG Materials Science and Engineering, HU
11:30-11:50	Ethanol-Assisted Ironmaking using Mild-Dehydrated Goethite Ore	DC Ade KURNIAWAN Materials Science and Engineering, HU
11:50-13:00	Lunch	
13:00-13:20	Synergistic Effect on Electrochemical Performance of Solid Solution Mn _{1-x} TM _x P (TM = V and Fe) as Tunable Anodes for Lithium-Ion Batteries	Prof. Seong-Hyeon HONG Materials Science and Engineering, SNU
13:20-13:40	Average atomic volume ratio and the stability of C14-Laves phase in ternary equiatomic compounds NbNiAl and NbPdAl	Prof. Satoshi TAKIZAWA Materials Science and Engineering, HU
13:40-14:00	Surrounding gas effect on diffusion and adsorption of a single metal atom on heteroatom-doped graphene	DC Shun HASEGAWA Materials Science and Engineering, HU
14:00-14:20	Superplasticity of a Mg-Li-Zn Alloy Processed by a Multi Extrusion-Rolling Deformation Process	DC Tianlong ZHANG Materials Science and Engineering, HU
14:20-14:40	Ion-irradiation hardening of Ti/Ta-added RAFM steel evaluated with a new fabrication technique for the nanopillar compression test	DC Jeong Woo HEO Materials Science and Engineering, HU
14:40-15:00	Coffee Break	
15:00-15:20	Synthesis of dendritic poly(ethylene glycol) for immunoprotection of pancreatic islets	Prof. Cheol-Hee AHN Materials Science and Engineering, SNU
15:20-15:40	Porous Crystalline ZnV ₂ O ₄ Nanowires as Anode for Lithium Ion Batteries	Prof. Mai Thanh NGUYEN Materials Science and Engineering, HU
15:40-16:00	Multiscale-mechanics and simulations of structure materials for manufacturing applications	Prof. Myoung-Gyu LEE Materials Science and Engineering, SNU
16:00-16:10	Closing	Prof. Heung Nam HAN