

International Symposium on Design & Engineering by Joint Inverse Innovation for Materials Architecture (DEJI2MA)

11/5	9:50	10:00	Opening		
	10:00	10:40	Keynote	Seong-Ju Hwang	Recent advances in nanomaterial-based environmental and energy technology
	10:40	11:05	Invited	Hiroshi Kawarada	Complementary power inverters using wide bandgap semiconductors for noise-free motorized society
	11:05	11:30	Invited	Yutaka Majima	Nanowire oxygen gas sensor
			break		
	11:40	12:05	Invited	Akihiko Chiba	Optimal Alloy Powder Characteristics for Electron Beam Additive Manufacturing
	12:05	12:30	Invited	Masaki Mizuguchi	Thermoelectric Generation in Nanostructured Magnetic Materials
	14:00	14:25	Invited	Hiroya Abe	Metal oxide nano/microparticles designed in modified polyol process and their applications
	14:25	14:45	Invited	Daixiu Wei	Development of strong and ductile high entropy alloys
	14:45	15:10	Invited	Taishi Yokoi	Development of organically-modified octacalcium phosphate based biomaterials
	15:10	15:30	Invited	Kota Hanzawa	Optoelectronic properties of early transition metal (Hf and Zr)-based perovskite-type sulfides
			break		
	16:00	16:25	Invited	Satoshi Ohara	Integration of advanced ceramic nanocrystals towards solid oxide fuel cell and biomedical applications
	16:25	16:45	Invited	Motohiro Tomita	Silicon nanowire energy harvesting device
	16:45	17:10	Invited	Masakazu Kawashita	Development of bioceramics for cancer treatment
	17:10	17:35	Invited	Minoru Osada	Single droplet assembly for 2D electronics
			Closing		

11/5 13:30–14:30 Poster

1195	Masatomc Hattori	Pd/ZrO ₂ composites prepared from ZrPd-based amorphous alloy for exhaust gas treatment
1197	Maki Nakamura	Numerical Calculation of PM Trapping and Oxidation of Diesel Particulate Filter with Catalysts
1198	Masatomc Hattori	Three-way Catalytic Performance and Chemical State of Cu added Al ₂ O ₃ Catalysts
1201	Yoken Ito	Fabrication and Characterization of Nanoparticle CeO ₂ Thin Film Catalyst
1203	Daiki Suzuki	Catalytic activity of three-way catalyst using CeO ₂ -ZeO ₂ -based nanoparticle composite support
1207	Yuki Noguchi	Evaluation of catalytic activity and cross-sectional observation of CeZrO ₄ thin film catalysts on single crystal
1208	Kengo Okai	Building a Converter Model of Catalyst for Diesel Particulate Matter Combustion
1214	Shinnosuk Taki	Preparation and characterization of three-way catalyst using size-controlled Pd nanoparticles