

Agenda in Tohoku University & Ewha Womans University Joint Symposium 2026

July 26th (Sun)

Evening (18:00-)	Welcome Party (NOTTI VAGOi, Map: P4)
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July 27th (Mon)

Opening Remarks (9:00-9:15)	<u>Prof. Hiroyuki Fukuyama</u> (Tohoku University) Director, Institute of Multidisciplinary Research for Advanced Materials (IMRAM)	
Opening Remarks (9:15-9:20)	<u>Prof. So-Jung Park</u> (Ewha Womans University)	
Morning Session I (9:20-10:20) Chairperson: Prof. Kouki Oka	<u>Prof. So-Jung Park</u> (Ewha Womans University)..... 5 “Dynamic Nanostructures through Assembly of Nanoparticles and Functional Polymers” <u>Prof. Yuichi Negishi</u> (Tohoku University)..... 6 “Atomically Precise Metal Clusters: A Platform for Rational Catalyst Design”	
(Break)		
Morning Session II (10:35-11:55) Chairperson: Prof. Takaaki Tomai	<u>Prof. Byung-Kwon Kim</u> (Ewha Womans University)..... 7 “Metal Ion Sensing via Single-Entity Electrochemistry: Direct Nanoparticle Nucleation and Emulsion-Confined Ion Trapping” <u>Prof. Eijiro Miyako</u> (Tohoku University)..... 8 “Nature’s Own Bacterial Duo: A Gene-Free, Safe, and Powerful Cancer Therapy” <u>Prof. Jaewoong Lim</u> (Ewha Womans University)..... 9 “Linker-Locking Strategy for the Rigidification of Flexible Metal-Organic Framework: Structural Stabilization and Controlled ESIPT for H ₂ O/D ₂ O Sensing” <u>Prof. Ryota Osuga</u> (Tohoku University)..... 10 “Heterogeneous Catalysis for Retro-Aldolization of Glucose: High-Yielding Synthesis of C ₄ - and C ₂ -Derived Carbohydrates by <i>In-situ</i> Acetalization Using Zeolite as a Co-Catalyst”	
11:55-12:00	Group Photo	
(Lunch Break)		

Afternoon Session I (13:00-14:20) Chairperson: Prof. Kazuyuki Iwase	Prof. Dong-Wook Kim (Ewha Womans University).....11 “Integration of 2D Semiconductors and 3D Nanostructures for Optoelectronics” Prof. Takaaki Tomai (Tohoku University).....12 “Development of Sustainable Electrochemical System Toward Circular Economy” Prof. Jaehong Park (Ewha Womans University).....13 “Photoinduced Proton and Electron Transfer Dynamics in Organic Semiconductors” Prof. Mao Fukuyama (Tohoku University).....14 “Droplet Microfluidics for Investigating Amyloid Fibril Nucleation”
(Break)	
Afternoon Session II (14:30-15:45)	Short Presentation Competition.....21
Afternoon Session III (16:15-17:30)	Excursion (NanoTerasu Tour)
Evening (18:00-)	Banquet (Restaurant Hagi, Map: P4)

July 28th (Tue)

Morning Session I (9:15-10:15) Chairperson: Prof. Dong-Wook Kim	Prof. Taeyoung Choi (Ewha Womans University).....15 “Trapped ion-based Quantum Computing and Sensing” Prof. Shun Dekura (Tohoku University).....16 “Intrinsic Proton Conduction in Molecular Assemblies Based on Molecular Internal Degrees of Freedom”
(Break)	
Morning Session II (10:30-11:50) Chairperson: Prof. Jaehong Park	Prof. Changwon Park.....17 “Emergent Quantum dot states in Twisted Trilayer Boron nitride” Prof. Takeharu Yoshii (Tohoku University).....18 “Advanced Temperature-Programmed Desorption for Heteroatom Characterization” Prof. Kwangdong Roh (Ewha Womans University).....19 “Controlling Optical Gain in Halide Perovskite Thin Films” Prof. Kazuyuki Iwase (Tohoku University).....20 “Design and Mechanistic Understanding of High-Entropy Spinel Oxide Nanoparticles for Oxygen Evolution Electrocatalysts”
Closing Remarks	