[TS08T3]

Transformative Nanotechnology Solution for Hydrogen Energy and Energy Harvesting 3

Date & Time	July 9(Thu.), 2026 / 09:30-11:00
Place	Room 206A
Session Chair(s)	Dr. Hee Young Park (KIST)

TS08T3_I_1 ***Invited** 09:30-10:00

Oxygen Electrodes for Reversible Protonic Ceramic Electrochemical Cells

Yu Chen
(South China University of Technology)

TS08T3_O_2 ***YSA Applied** 10:00-10:15

Direct-Current Mechanical Energy Harvesting via a Sliding Schottky Tribovoltaic Generator based on Layered Double Hydroxides

Beena Sreekumar Madhuri and Kim Sang-Jae
(Jeju National University)

TS08T3_O_3 ***YSA Applied** 10:15-10:30

A Unified Solid-State Device Architecture for Vapour-Feed Direct Seawater Supercapatilyzer System

Vignesh Krishnan and Sang Jae Kim
(Jeju National University)

TS08T3_O_4 ***YSA Applied** 10:30-10:45

Chlorophobic Layered Hydroxides via Electronic Structure Modulation for Corrosion-Resistant Anion Exchange Membrane Seawater Electrolyzers

Anandhan Ayyappan Saj and Sang Jae Kim
(Jeju National University)

TS08T3_O_5 ***YSA Applied** 10:45-11:00

Development of Cathode Catalysts for Direct Ammonia Fuel Cells

Hun Kim, Yunjin Kim, Keonwoo Ko, Sourabh S. Chougule, Abhishek A. Chavan, Hyelim Park, Jaemin Kim, Yeongeun Im, Wonhong Choi, and Namgee Jung
(Chungnam National University)