[TS08W1]

Transformative Nanotechnology Solution for Hydrogen Energy and Energy Harvesting 1

Date & Time	July 8(Wed.), 2026 / 09:30-11:00
Place	Room 206A
Session Chair(s)	Prof. Heejong Shin (Sogang University)

TS08W1_I_1 ***Invited** 09:30-10:00

Nanostructured Heterojunction Photocatalysts for Continuous Solar Hydrogen Generation: Interface Engineering and Real-Sunlight Performance

Shankar Muthukonda Venkatakrishnan[1,2] and Sungjunn Bae[1]
([1]Konkuk University, [2]Yogi Vemana University)

TS08W1_I_2 ***Invited** 10:00-10:30

Engineered Copper-Based Photocatalysts for Solar Hydrogen Generation and Energy Harvesting

Karthikeyan Sekar[1,2] and Hyoung-il Kim[1]
([1]Yonsei University, [2]SRM Institute of Science and Technology)

TS08W1_O_3 ***YSA Applied** 10:30-10:45

Polypyrrole-Passivated Copper-Iron Layered Double Hydroxide (CuFe LDH) Over Nickel Foam (NF) for Corrosion-Resistant Direct Seawater Splitting (DSS)

Nafeesa Bibi, Xiang Li, and Ibrahim Khan
(University of Nottingham)

TS08W1_O_4 ***YSA Applied** 10:45-11:00

Advanced Dual Hydrogen Production via Next Generation Hybrid Aluminium Electrochemical Energy System (Al-EES)

Muthukumar Perumalsamy and Sang-Jae Kim
(Jeju National University)