

[TS01T5]**Nanotechnology for Energy Harvesting 5**

Date & Time	July 4(Thu.), 2024 / 15:40-17:40
Place	Room 205
Session Chair(s)	Cafer T. Yavuz (KAUST)

TS01T5_I_1 *Invited 15:40-16:10**Doping and Interface Engineering of Electrocatalysts for Efficient Water Splitting**

Daekyu Kim, Zhen Li, and Lawrence Yoon Suk Lee

*(The Hong Kong Polytechnic University)***TS01T5_I_2 *Invited 16:10-16:40****Phase Engineering in Transition Metal Dichalcogenides toward Efficient Electrocatalysis**

Hyesung Park

*(Korea University)***TS01T5_O_3 16:40-16:55****Boosted Electron Transfer Induced by N-Doped Graphene Quantum Dots in LaSrCoO/FeOOH for Efficient Bifunctional Electrocatalyst**

Sang Heon Kim and Jeong Min Baik

*(Sungkyunkwan University)***TS01T5_O_4 16:55-17:10****Floatable Photocatalytic Hydrogel Nanocomposites for Large-Scale Solar Hydrogen Production**Wang Hee Lee^{1,2} and Dae-Hyeong Kim^{1,2}*(¹IBS, ²Seoul National University)***TS01T5_O_5 17:10-17:25****A Robust and Highly Active Bimetallic Phosphide/Oxide Heterostructure Electrocatalyst for Efficient Industrial-Scale Hydrogen Production**Balakrishnan Kirubasankar¹, Jisu Kwon², Sohyeon Hong², Soo Min Kim², and Ki Kang Kim¹*(¹Sungkyunkwan University, ²Sookmyung Women's University)***TS01T5_O_6 17:25-17:40****Modulating the Electronic Structure of Exfoliated Layered Double Hydroxide by Lanthanide for Chlorine-Ion Blocking in Seawater Splitting**

Ashish Gaur and HyukSu Han

(Sungkyunkwan University)