[TS06F7]

Hybrid Nanomaterials for Convergent Science and Emerging Technologies 7

Date & Time	July 10(Fri.), 2026 / 14:00–15:00
Place	Room 307
Session Chair(s)	Prof. Bonjae Koo (Sungshin Women's University)

TS06F7_O_1 ***YSA Applied** 14:00–14:15

Recyclable High Strength Poroacoustic Biocomposite Foams via Hierarchical Interfiber Network Engineering of Plant Fibers

James Sangmin Choo[1], Jinsoo Na[1], Wonjin Lee[1], Hakjun Lee[1], Seung Yun Kim[2], Youngjin Kim[3], Jeong-Yun Sun[1], Woong-Ryeol Yu[1], and Juhyuk Park[1]

([1]Seoul National University, [2]Jeonbuk National University, [3]Day1lab)

TS06F7_O_2 ***YSA Applied** 14:15–14:30

Nanocarrier-Based Delivery Strategies for Enhancing Plant Pathogen Resistance

Suppanat Puangpathumanond, Shen Di, and Tedrick Thomas Salim Lew

(National University of Singapore)

TS06F7_O_3 ***YSA Applied** 14:30–14:45

Nanoengineered Stem Cell-Loaded CS/HA/Gel Hybrid Scaffold for Enhanced Osteogenesis in Critical Bone Defects

Sayed Maeen Badshah, Jamshid Hussain, Kuen-Song Lin, and Amin Hussain

(Yuan Ze University)

TS06F7_O_5 ***YSA Applied** 14:45–15:00

Toward Scalable 1S1R Cross-Point AI Memory: Ultra-Fast Sub-1 V CBRAM and mA-Level Volatile Bidirectional Selector

Asif Ali[1], Haider Abbas[2], and Diing Shenp Ang[1]

([1]Nanyang Technological University, [2]Sejong University)