



IUMRS-ICEM 2018

AUGUST 19(SUN.) - 24(FRI.), 2018 / DAEJEON, KOREA

Session Title	Safer Batteries	Session Code	Tu-A2
Date and Time	2018-08-21 / 13:30 - 15:30		
Place	Room A		
Session Chair	TBA		

Tu-A2-1

13:30 - 14:00

[Invited] Material- and System-Level Studies of Solid-State Batteries

Shou-Hang Bo
Shanghai Jiao Tong Univ., China

Tu-A2-2

14:00 - 14:30

[Invited] Fire-Extinguishing Organic Electrolytes for Safe Batteries

Yuki Yamada^{1,2}, Jianhui Wang¹, and Atsuo Yamada^{1,2}
¹The Univ. of Tokyo, Japan, ²Kyoto Univ., Japan

Tu-A2-3

14:30 - 14:45

Composite Ionic Conductors by Photopolymerization

Kia Chai Phuah, Ju Yu Yeo, and Stefan Adams
Nat'l Univ. of Singapore, Singapore

Tu-A2-4

14:45 - 15:00

Phase Structure of PEO-PPO-PEO/LiCF₃SO₃ Polymer Electrolytes Studied by High-Resolution Solid-State NMR

Ling Wei
China Univ. of Petroleum, China

Tu-A2-5

15:00 - 15:15

High Performance LiNi_{0.5}Mn_{1.5}O₄ Thin Film Cathode Fabricated by RF Reactive Sputtering

Jong Heon Kim and Hyun-Suk Kim
Chungnam Nat'l Univ., Korea

Tu-A2-6

15:15 - 15:30

High-Performance Supercapacitors using Self-Assembled Multilayers of RGO-MnO_x Nanohybrids on Surface-Enhanced Nickel Foams

Hoseong Han and Hyungtak Seo
Ajou Univ., Korea

Tu-A2-7

15:30 - 15:45

Carbon Paper-Supported Nitrogen-Doped Reduced Graphene Oxide Fororganic Electrolyte Supercapacitor

Sriprachuabwong Chakrit, Adisorn Tuantranont, Nirachawadee Srisamrarn, Jutarat Sudchanham, and Chatwarin Poochai
Nat'l Sci. and Tech. Development Agency, Thailand