

# Joint International Conference on The 8th ICMAP & The 9th ISFM

January 17-20, 2021 | Online Conference

[WA3] Energy Harvesting, Storage and Conversion I	
Date / Time	January 20 (Wed.), 2021 / 13:20-15:00
Place	Channel A
Session Chair(s)	So Yeon Kim (KIMS, Korea) Young-Hun Kim (KIMS, Korea)

[WA3-1]

13:20-13:40

## Development of Halide Materials for Sodium-Ion Batteries towards Next Generation Energy Storage

Jianguo Sun and Li Lu

*Nat'l Univ. of Singapore, Singapore*

[WA3-2]

13:40-14:00

## Stable, High Output Triboelectric Nanogenerators Using Butylated Melamine Formaldehyde as a Durable and Highly Tribo-Positive Friction Layer

Sera Jeon, Sung Soo Kwak, and Sang-Woo Kim

*Sungkyunkwan Univ., Korea*

[WA3-3]

14:00-14:20

## Design and Application of PEDOT:PSS for Energy Harvesting

Soyeon Kim, Muhammad Jahandar, and Dong Chan Lim

*Korea Inst. of Materials Sci., Korea*

[WA3-4]

14:20-14:40

## High-Performance Triboelectric Nanogenerator based on Ferroelectric Polarization and Dielectric Properties

Donghyeon Kang, Wanchul Seung, Hong-Joon Yoon, and Sang-Woo Kim

*Sungkyunkwan Univ., Korea*

[WA3-5]

14:40-15:00

## Splitting of Carbon Dioxide Using an RF DBD Reactor with Segmented Electrode at Low Pressure

Kang-Ning Tian, Chao Wang, Su-Rong Sun, and Hai-Xing Wang

*Beihang Univ., China*