



IUMRS-ICEM 2018

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

Session Title	Thermoelectric IV	Session Code	We-H2
Date and Time	2018-08-22 / 13:30 - 15:30		
Place	Room H		
Session Chair	TBA		

We-H2-1

13:30 - 14:00

[Invited]High Performance Thermoelectric Materials and Modules Energy Harvesting

Ngo Van Nong, Le Thanh Hung, and Safdar Abbas Malik
Technical Univ. of Denmark, Denmark

We-H2-2

14:00 - 14:30

[Invited]High Performance Shape Engineerable Thermoelectric Pastes

Son Jae Sung, Fredrick Kim, Seungki Jo, and Seungjun Choo
UNIST, Korea

We-H2-3

14:30 - 14:45

Design and Fabrication of Thermoelectricpower Generation System for Energy Harvesting from Exhaust Pipe

HanKi Cho and Seungwoo Han
KIMM, Korea

We-H2-4

14:45 - 15:00

Optimal Operating Conditions of the Eco-Friendly Thermoelectric Cooler Installed in Automobiles

Da-Hye Kim¹, Sijin Kim², and Seungwoo Han^{1,3}
¹Univ. of Sci. and Tech., Korea, ²TETech, Korea, ³KIMM, Korea

We-H2-5

15:00 - 15:15

Material Optimization for Wearable Thermoelectric Generator

Gyusoup Lee¹, Garam Choi², Choong Sun Kim¹, Yong Jun Kim¹, Hyeongdo Choi¹, Seongho Kim¹,
Hyo Seok Kim², Won Bo Lee², and Byung Jin Cho¹
¹KAIST, Korea, ²Seoul Nat'l Univ., Korea

We-H2-6

15:15 - 15:30

Wireless Sensor Node Powered by a Flexible Thermoelectric Generator for Industrial Environmental Monitoring

Yong Jun Kim¹, Byung Jin Cho¹, Choong Sun Kim¹, Hyeongdo Choi¹, Gyusoup Lee¹, Seongho Kim¹,
Kevin K. Yi², and Sang Gug Lee¹
¹KAIST, Korea, ²Tegway, Korea