
Session Title: New Materials, Mechanics, and Devices for Defence Technology II

Date & Time: **November 1, 2016 (Tue) / 13:30~15:30**

Room: **F (Room 106)**

Session Chair: Byung Moon Chang (Korea Lost-Wax Co., Ltd., Korea)

1F2-1

13:30~13:55

[Invited] Self-assembled Alumina Nanowire Meta-Structure for Optoelectronic Devices and Solar Evaporation

Kyuyoung Bae, Gumin Kang, Seunghwa Baek, and Kyoungsik Kim
Yonsei University, Korea

1F2-2

13:55~14:20

[Invited] Novel Synthetic Process and Improved Exothermic Reactivity of Polymer-Coated Aluminum Powders for Energetic Applications

Kyung Tae Kim¹, Dong Won Kim², Yoon Jeong Choi², and Chang Kee Kim²
¹KIMS, Korea, ²ADD, Korea

Session Chair: Juyoung Kim (Kangwon National University, Korea)

1F2-3

14:20~14:45

[Invited] Development of the C-SiC Composite Based Gas-Turbine Engine Exhaust Nozzle

Sun Je Kim¹, Gi Hun Bae¹, Ihn-Cheol Shin², Byung-Joo Lim², Kwang-Hyun Lim², and Yeong Ryeon Kim¹
¹ADD, Korea, ²DaiYang Industry Company, Korea

1F2-4

14:45~15:10

[Invited] Theoretical Determination of the Geometrical and Nonnewtonian Correction Factors for the Calculation of Viscosity Function Using Screw Rheometers

Myung-Ho Kim^{1,2}, Bo-Kyung Kim², Sunwoong Choi¹, and Kun Sup Hyun^{1,3}
¹Hannam University, Korea, ²MKE Co., Korea, ³NJIT, USA

1F2-5

15:10~15:25

Optimization of Filler Materials for the Processing of Sic-Based Ceramic Matrix Composites

Sea-Hoon Lee, Bola Yoon, and Ha-Neul Kim
KIMS, Korea