



IUMRS-ICEM 2018

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

Session Title	Emerging Advanced Materials III	Session Code	We-B3
Date and Time	2018-08-22 / 16:00 - 18:00		
Place	Room B		
Session Chair	TBA		

We-B3-1

16:00 - 16:30

[Invited]Application of Oxide Eutectic for Environmental Barrier Coating

Shunkichi Ueno¹, Naoto Kanno¹, Kyosuke Seya¹, Yohei Suzuki¹, and Byung-Koog Jang²
¹Nihon Univ., Japan, ²NIMS, Japan

We-B3-2

16:30 - 17:00

[Invited]Thermo-Corrosive Properties by Chemical Corrosion of Re-Doped Silicate Environmental Barrier Coatings

Byung-Koog Jang¹, Shunkichi Ueno², Kee-Sung Lee³, Seongwon Kim⁴, Yoon-Suk Oh⁴, and Hyung-Tae Kim⁴
¹NIMS, Japan, ²Nihon Univ., Japan, ³Kookmin Univ., Korea, ⁴KICET, Korea

We-B3-3

17:00 - 17:15

Influence of The Precipitation of Secondary Phase on The Thermal Diffusivity Changes of Al-Mg₂Si Alloys

Yu-mi Kim¹, Se-Weon Choia¹, Young-chan Kim¹, Min-kook Moon¹, and Sung-kil Hong²
¹KITECH, Korea, ²Chonnam Nat'l Univ., Korea

We-B3-4

17:15 - 17:30

Preparation and Properties of Negative Thermal Expansion Materials Zr₂WP₂O₁₂ and Zr₂MoP₂O₁₂

Toshihiro Isobe, Yuko Hayakawa, Naoto Hotsuki, Takuya Umezome, Sachiko Matsushita, and Akira Nakajima
Tokyo Inst. of Tech., Japan

We-B3-5

17:30 - 17:45

Effect of Impingement Angle on High Temperature Erosion Behaviour of SiC-WC Composites

Rohit Malik¹, Young-Wook Kim¹, and B. V. Manoj Kumar²
¹The Univ. of Seoul, Korea, ²Indian Inst. of Tech., India