



# IUMRS-ICEM 2018

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

<b>Session Title</b>	<b>Hybrid Materials and Processing Technologies I</b>	<b>Session Code</b>	<b>Mo-I1</b>
<b>Date and Time</b>	<b>2018-08-20 / 10:30 - 12:30</b>		
<b>Place</b>	<b>Room I</b>		
<b>Session Chair</b>	<b>TBA</b>		

**Mo-I1-1**

**10:30 - 11:00**

### **[Invited] Nanocrystal based Electronic Devices and Wearable Sensors**

Soong Ju Oh  
Korea Univ., Korea

**Mo-I1-3**

**11:15 - 11:30**

### **Improved Degassing Process during Uranium Zirconium Alloying via Induction Heating Casting**

Seoungwoo Kuk, SungChan Park, YoungMo Ko, and Jeong-Yong Park  
KAERI, Korea

**Mo-I1-4**

**11:30 - 12:00**

### **[Invited] Thermal Plasma Nanofabrication: A Universal Fabrication Process for Highly Functional Nanomaterials**

Jae Won Jeong, Mise Chang, Sansun Yang, and Yongjin Kim  
KIMS, Korea

**Mo-I1-5**

**12:00 - 12:15**

### **Multifunctional Nanoparticle Array on Nitrogen-Doped Graphene for Heterogeneous Catalysts**

SangRim Shin<sup>1</sup>, JungHyo Park<sup>2</sup>, Kyung Min Choi<sup>3</sup>, and Jeung Ku Kang<sup>1</sup>  
<sup>1</sup>KAIST, Korea, <sup>2</sup>Agency for Defense Development, Korea, <sup>3</sup>Sookmyung Women's Univ., Korea

**Mo-I1-6**

**12:15 - 12:30**

### **Developments of Nanostructured Metal Oxide Thin Films as Photoanodes for Water Splitting**

Susanta Bera<sup>1</sup>, and Se-Hun Kwon<sup>1,2</sup>  
<sup>1</sup>Global Frontier R&D Center, Korea, <sup>2</sup>Korea Univ., Korea