



# IUMRS-ICEM 2018

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

<b>Session Title</b>	<b>Thin Films and Interfacial Phenomena</b>	<b>Session Code</b>	<b>Mo-B2</b>
<b>Date and Time</b>	<b>2018-08-20 / 13:30 - 15:30</b>		
<b>Place</b>	<b>Room B</b>		
<b>Session Chair</b>	<b>TBA</b>		

**Mo-B2-1**

**13:30 - 14:00**

**[Keynote] Magnetic Skyrmions in Magnetic Multilayers**

Axel Hoffmann  
ANL, USA

**Mo-B2-2**

**14:00 - 14:30**

**[Invited] Critical Currents in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>-based Coated Conductors in Pulsed Fields**

B. Maiorov<sup>1</sup>, M. Leroux<sup>1</sup>, F.F. Balakirev<sup>1</sup>, M. Miura<sup>2</sup>, and K. Agatsuma<sup>2</sup>  
<sup>1</sup>Los Alamos Nat'l Laboratory, USA, <sup>2</sup>Seikei Univ., Japan

**Mo-B2-3**

**14:30 - 15:00**

**[Invited] Low-Core Loss Nanogranular Co-based Soft Magnetic Films for 10 GHz Applications**

Hanae Kijima-Aoki and Hiroshi Masumoto  
Tohoku Univ., Japan

**Mo-B2-4**

**15:00 - 15:15**

**Interaction Characterization between U-Zr-RE Ternary Alloy And Y<sub>2</sub>O<sub>3</sub> Ceramic Coating Layer at Elevated Temperature**

Seung-Uk Mun<sup>1,2</sup>, Ki-Hwan Kim<sup>2</sup>, Jeong-Young Park<sup>2</sup>, and Sun-Ig Hong<sup>1</sup>  
Agency for Defense Development, Korea

**Mo-B2-5**

**15:15 - 15:30**

**The Study of Multilayer ta-C Film for the Protection of High-Precision Mold**

Jing Wei, Hanchao Li, Peiling Ke, and Aiyang Wang  
CAS, China