



# IUMRS-ICEM 2018

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

<b>Session Title</b>	<b>Emerging Advanced Materials II</b>	<b>Session Code</b>	<b>We-B2</b>
<b>Date and Time</b>	<b>2018-08-22 / 13:30 - 15:30</b>		
<b>Place</b>	<b>Room B</b>		
<b>Session Chair</b>	<b>TBA</b>		

**We-B2-1**

**13:30 - 14:00**

### **[Invited]Proposal of New Electrochemistry in Mixed Anion Compounds**

Shigeto Hirai<sup>1</sup>, Kazuki Morita<sup>2</sup>, Taizo Shibuya<sup>3</sup>, Yujiro Tojo<sup>2</sup>, Tomoya Ohno<sup>1</sup>, Kenji Yasuoka<sup>2</sup>, Shunsuke Yagi<sup>4</sup>, Yoichi

Kamihara<sup>2</sup>, and Takeshi Matsuda<sup>1</sup>

<sup>1</sup>Kitami Inst. of Tech., Japan, <sup>2</sup>Keio Univ., Japan, <sup>3</sup>NEC Corporation, Japan, <sup>4</sup>The Univ. of Tokyo, Japan

**We-B2-2**

**14:00 - 14:30**

### **[Invited]Ultrasml-in-Nano Approach for Translation of Metal Nanomaterials to Clinics**

Domenico Cassano<sup>1</sup>, Ana-Katrina Mapanao<sup>1</sup>, Salvador Pocovi-Martinez<sup>2</sup>, and Valerio Voliani<sup>1</sup>

<sup>1</sup>Inst. Italiano di Tech., Italy, <sup>2</sup>CNR, Italy

**We-B2-3**

**14:30 - 14:45**

### **Reproducing Natural Architectures using Magnetic Fields**

Hortense Le Ferrand

Nanyang Technological Univ., Singapore

**We-B2-4**

**14:45 - 15:00**

### **Doping of Inorganic Salt for Increasing the Electrical Conductivity of PANI**

Azwar Manaf<sup>1</sup>, Mas Ayu Elita Hafizah<sup>1</sup>, Linda Isnaeniyah<sup>1</sup>, and Andreas Andreas<sup>2</sup>

<sup>1</sup>Universitas Indonesia, Indonesia, <sup>2</sup>Indonesian Inst. of Sci., Indonesia

**We-B2-5**

**15:00 - 15:15**

### **MBTA as a Corrosion Inhibitor to Reduce Organic Defects in Cu CMP**

Samrina Sahir<sup>1</sup>, Byoung-Jun Cho<sup>1</sup>, Jin-Goo Park<sup>1</sup>, Shohei Shima<sup>2</sup>, Satomi Hamada<sup>2</sup>, and Hirokuni Hiyama<sup>2</sup>

<sup>1</sup>Hanyang Univ., Korea, <sup>2</sup>EBARA Corp., Japan

**We-B2-6**

**15:15 - 15:30**

### **Dual Substitutions on Pyrochlore Phase $\text{Li}_x\text{La}_{2-x}\text{Ce}_{1.8}\text{Ru}_{0.2}\text{O}_{7-\delta}$ as an Effective Catalyst for Auto-Thermal Steam Reforming of Ethanol**

Ho-Chen Hsieh<sup>1</sup>, Yuan-Chia Chang<sup>1</sup>, Yen-Yu Lin<sup>1</sup>, Jyh-Fu Lee<sup>2</sup>, Hwo-Shuenn Sheu<sup>2</sup>, and Chi-Shen Lee<sup>1</sup>

<sup>1</sup>Nat'l Chiao-Tung Univ., Taiwan, <sup>2</sup>NSRRC, Taiwan