

**Room B #102** 13:30-15:30**[We-B2] Emerging Advanced Materials II****Session Chair:**

Valerio Voliani (Inst. Italiano di Tech., Italy)

**We-B2-1 [Invited]** 13:30-14:00**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 [Invited]** 14:00-14:30**Ultrasmall-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**Room C #103** 13:30-15:30**[We-C2] Soft Electronic Materials****Session Chairs:**

Vijay Kumar (Shiv Nadar Univ., India),

Myung-Gil Kim (Chung-Ang Univ., Korea)

**We-C2-1 [Invited]** 13:30-14:00**Molecular Engineering Approaches for High-Performance Optoelectronic Materials**Hakan Usta<sup>1</sup>, Gökhan Demirel<sup>2</sup>, and Myung-Gil Kim<sup>3</sup><sup>1</sup>Abdullah Gül Univ., Turkey, <sup>2</sup>Gazi Univ., Turkey, <sup>3</sup>Chung-Ang Univ., Korea**We-C2-2 [Invited]** 14:00-14:30**Intrinsically Stretchable Healable Semiconducting Polymers for Skin-Inspired Wearable Electronics**

Jin Young Oh

Kyung Hee Univ., Korea

**We-C2-3 [Invited]** 14:30-15:00**Organic-2D Heterostructure based Transistors for Flexible Electronics**

Myung Hoon Kang, Jeong Sik Na, Yu Been Lim, Dong Ho Lee, and Tae Hoon Lee

Kwangwoon Univ., Korea

**We-C2-4** 15:00-15:15**Resistive- and Capacitive-Type Humidity and Temperature Sensors based on Nickel-4-Benzyl Piperidine**

Muneeb Ur Rahman

Islamia College Peshawar, Pakistan

**We-C2-5** 15:15-15:30**Pressure Insensitive Piezoresistive Strain Sensor based on Porous Carbon Nanotube-Elastomer Composite**

Jinwon Oh, Jun Chang Yang, Jin-Oh Kim, and Steve Park

KAIST, Korea