

**Room G #107** 10:30-12:30**[Mo-G1] Ferro/Piezo I****Session Chairs:**

Ausrine Bartasyte (FEMTO-ST Inst. / AnnealSys, France), Seung-Hyun Kim (Brown Univ., USA)

**Mo-G1-1 [Invited]** 10:30-11:00**Strain Synthesis of Multiferroics: A Novel Way of using Strain**Honyung Lee  
ORNL, USA**Mo-G1-2 [Invited]** 11:00-11:30**Large Area Control of Ferroic Functionalities in Epitaxial Oxide Thin Films**Yogesh Sharma, A. T. Wong, A. Herklotz, N. Balke, H. N. Lee, P. D. Rack, and T. Z. Ward  
ORNL, USA**Mo-G1-3 [Invited]** 11:30-12:00**Simulating Ferroic Functionalities with Finite Elements: Five Years of Adventures Developing the Ferret Code**Serge Nakhmanson  
Univ. of Connecticut, USA**Mo-G1-4** 12:00-12:15**Multiferroic Magnetoelectric Coupling Effect with Optimized Adhesion Layer**Geon Tae Hwang<sup>1</sup>, Palneedi Haribabu<sup>1</sup>, Peddigari Mahesh<sup>1</sup>, Byung-Dong Hahn<sup>1</sup>, Jong-Jin Choi<sup>1</sup>, Cheol-Woo Ahn<sup>1</sup>, Jong-Woo Kim<sup>1</sup>, Yuho Min<sup>1</sup>, Youngson Choe<sup>2</sup>, and Jungho Ryu<sup>3</sup>  
<sup>1</sup>KIMS, Korea, <sup>2</sup>Pusan Nat'l Univ., Korea, <sup>3</sup>Yeungnam Univ., Korea**Mo-G1-5** 12:15-12:30**Investigation of BiFeO<sub>3</sub>/CoFe<sub>2</sub>O<sub>4</sub> Bilayered Multiferroic Nano-Hollow Spheres**Mahebab Alam and Kalyan Mandal  
S. N. Bose Nat'l Centre for Basic Sci., India**Room H #108** 10:30-12:30**[Mo-H1] 3D Device Printing I****Session Chairs:**Bok Yeop Ahn (Harvard Univ., USA),  
Su Yeon Lee (KRICT, Korea)**Mo-H1-1 [Invited]** 10:30-11:00**Highly Conductive and Durable 3D-Printed Cu Electrodes: In-Situ Compositional/Microstructural Evolution by Optical Sintering Process**Sunho Jeong  
KRICT, Korea**Mo-H1-2 [Invited]** 11:00-11:30**Fully Flexible "Flexion Film Technology" and the Touch Sensor from It**Sang Ho Kim<sup>1,2</sup>  
<sup>1</sup>Kongju Nat'l Univ., Korea, <sup>2</sup>N&B, Korea**Mo-H1-3 [Invited]** 11:30-12:00**All-Inkjet-Printed Flexible Wireless Power Transfer Module with a Configuration of Hybrid Metal-Coil/NiZn-Ferrite: Rigid Materials into Flexible**Murali Bissannagari and Jihoon Kim  
Kongju Nat'l Univ., Korea