



IUMRS-ICEM 2018

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

Session Title	Ferro/Piezo V	Session Code	Tu-G2
Date and Time	2018-08-21 / 13:30 - 15:30		
Place	Room G		
Session Chair	TBA		

Tu-G2-1

13:30 - 14:00

[Invited] Flexible Ferroelectric Organic Crystals

Magdalena Owczarek¹, Ryszard Jakubas², Seungbum Hong^{3,4}, Vinayak P. Dravid¹, J. Fraser Stoddart¹, Karl A. Hujsak¹, Daniel P. Ferris¹, Aleksandrs Prokofjevs¹, Irena Majerz⁵, Przemysław Szklarz², Huacheng Zhang¹, Amy A. Sarjeant¹, and Charlotte L. Stern¹

¹Northwestern Univ., USA, ²Univ. of Wrocław, Poland, ³ANL, USA, ⁴KAIST, Korea, ⁵Wrocław Medical Univ., Poland

Tu-G2-2

14:00 - 14:30

[Invited] Thin Film Composite Ferroelectrics for Low-Power Devices

Catherine Dubourdieu¹, Lucie Mazet², Martin Frank³, Eduard Cartier³, John Bruley³, and Vijay Narayanan³

¹Helmholtz Zentrum Berlin, Germany, ²CNRS, France, ³IBM T.J. Watson Research Center, USA

Tu-G2-3

14:30 - 15:00

[Invited] Bulk Photovoltaic Effect in Lead Free Ferroelectrics

Radhe Agarwal¹, Yogesh Sharma², Seungbum Hong³, James Scott⁴, Jonathan E. Spanier¹, and Ram S. Katiyar⁵

¹Drexel Univ., USA, ²ORNL, USA, ³KAIST, Korea, ⁴Univ. of St. Andrews, UK, ⁵Univ. of Puerto Rico, USA

Tu-G2-4

15:00 - 15:15

Enhanced the Piezoelectric of Polyvinylidene Fluoride Polymer by Combining Flexoelectric Properties of LDHs Nanosheet

Thi Minh Tuoi Nguyen and Soon-Gil Yoon
Chungnam Nat'l Univ., Korea

Tu-G2-5

15:15 - 15:30

Dielectric Characteristics of PZT Films Fabricated by Aerosol-Deposition Method

Chunkil Park¹, Dae-Yong Jeong¹, Jong-Jin Choi², Jungho Ryu², and Byung-Dong Hahn²

¹Inha Univ. Korea, ²KIMS, Korea

Tu-G2-6

15:30 - 15:45

The Observation of Small Polaron Localization in W-Doped CeO₂

Annawit Tipsawat¹, Taras Kolodiazhnyi², and Santi Maensiri¹

¹Suranaree Univ. of Tech., Thailand, ²NIMS, Japan