

IMiD 2015

The 15th International Meeting on Information Display
August 18 – 21, 2015 / EXCO, Daegu, Korea

Room A (Room 325)

Session Title: 41. Advanced TFT Backplane Technologies IV
Date: August 21, 2015 (Friday)
Time: 09:00~10:45
Session Chairs: Prof. Arokia Nathan (Cambridge Univ., UK)

- [41-1] 09:00~09:25 **[Invited] High Driving Ability of Bulk-Accumulation Oxide TFTs for 8k4k Displays**
Jin Jang and Mallory Mativenga (Kyung Hee Univ., Korea)
- [41-2] 09:25~09:50 **[Invited] Bio-Nano Crystallization of Amorphous Si Thin-Film for MEMS Devices**
Shinya Kumagai (Toyota Technological Inst., Japan), Ichiro Yamashita, Yukiharu Uraoka (NAIST, Japan), and Minoru Sasaki (Toyota Technological Inst., Japan)
- [41-3] 09:50~10:15 **[Merck Award] Review of Recent Studies for Oxide Thin-Film Transistors**
Hyun Jae Kim (Yonsei Univ., Korea)
- [41-4] 10:15~10:30 **Beneficial Effect of Hydrogen in Aluminum Oxide Deposited by Atomic Layer Deposition Method on Electrical Properties of IGZO Thin Film Transistor**
Yunyong Nam (KAIST, Korea), Hee-Ok Kim, Sung Haeng Cho, Chi-Sun Hwang (ETRI, Korea), Taeho Kim, Sanghun Jeon (Korea Univ., Korea), and Sang-Hee Ko Park (KAIST, Korea)
- [41-5] 10:30~10:45 **Analysis of PBTs Instability of Self-Aligned Coplanar InGaZnO Thin Film Transistors**
Dohyung Lee, Ju Heyuck Baek, Taeuk Park, Saeroonter Oh, Jong-Uk Bae, Kwon-Shik Park, and InByeong Kang (LG Display Co., Ltd., Korea)