

[ThE3] Electronic Properties and Application II
Date / Time July 5 (Thu.), 2018 / 15:55-17:10

Place Room E (#110)

Session Chair Sukyung Choi (ETRI, Korea)
Prem Prabhakaran (Hannam Univ., Korea)

ThE3-01 15:55-16:10

Observation of The Mesoscopic 2D Charge Transport in The "Metallic" PEDOT:PSS Films by High-Field Magnetoconductance and Synchrotron X-ray Scattering Measurements

 Keisuke Itoh¹, Yuta Honma¹, Hiroyasu Masunaga², Satoshi Iguchi¹, and Takahiko Sasaki¹
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ThE3-02 16:10-16:25

Determination of The Charge Injection Barrier at Organic Semiconductor/Metal Interface Using Accumulated Charge Measurement

 Hiroyuki Tajima, Tomofumi Kadoya, and Jun-ichi Yamada
Univ. of Hyogo, Japan
ThE3-03 16:25-16:40

Transparent Conducting Electrodes for Organic Optoelectronics from Solution Processing

 Antonio Gaetano Ricciardulli¹, Sheng Yang², Gert-Jan Wetzelaer¹, Xinliang Feng², and Paul Blom¹
¹Max-Planck-Inst. für Polymerforschung, Germany, ²Technische Univ. Dresden, Germany
ThE3-04 16:40-16:55

Understanding Morphology-Mobility Dependence in PEDOT:Tos. A Multi-Scale Approach

 Igor Zozoulenko¹, Nicolas Rolland¹, Juan Felipe Franco-Gonzalez¹, Riccardo Volpi², and Mathieu Linares³
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ThE3-05 16:55-17:10

A Theoretical Study of Electrochemical and Electrochromic Properties of Novel Viologen Derivatives: Effects of Donors and π -Conjugation Length

 Wan-Ru Shie
Nat'l Taiwan Univ. of Science and Tech., Taiwan