



| | |
|----------------------|-----------------------------------|
| Session Title | [ThA2] OPV VI |
| Date / Time | July 5 (Thu.), 2018 / 13:30-15:30 |
| Room | Room A (#101+102) |
| Session Chair | TBA |

ThA2-I1 (Invited)

13:30-13:55

Dark Currents Reduction Strategies of OPDs for X-ray Image Sensor Application by Controlling Molecular Orientation of Polymers and Interfacial Modifiers

Seung Hun Eom¹, Jaemin Lee¹, In Hwan Jung², Sung Cheol Yoon¹, Changjin Lee¹, So Youn Nam¹, and Hee Jin Do¹

¹KRICT, Korea, ²Kookmin Univ., Korea

ThA2-O2

13:55-14:10

Stability of Organic Solar Cells: From Light Harvesting, Organic/Metal Interfacial Exciton Dissociation and Charge Extraction Perspectives

Weixia Lan, Bo Wu, Yiwen Wang, and Furong Zhu

Hong Kong Baptist Univ., Hong Kong, China

ThA2-O3

14:10-14:25

Controlling Charge Recombination in Ternary Organic Solar Cells: A Path towards High Efficiency Organic Photovoltaics

Nicola Gasparini¹, Christoph Brabec², Iain McCulloch¹, and Derya Baran¹

¹KAUST, Saudi Arabia, ²FAU, Germany

ThA2-O4

14:25-14:40

Synthesis of A Green Solvent Processable NDI-Thiophene Based Amine Containing Interface Material for Polymer Solar Cells

Jonas Mattiasson Bjuggren, Mats Andersson, and Anirudh Sharma

Flinders Univ., Australia

ThA2-O5

14:50-15:05

An Analysis of Efficiency, Stability and Commercial Potential for Organic Photovoltaics based on Non-Fullerene Acceptors

Ning Li, Xiaoyan Du, and Christoph Brabec

FAU Erlangen-Nürnberg, Germany

ThA2-O6

15:05-15:20

Charge and Triplet Exciton Generation in CuSCN:PC70BM Solar Cells

Safakath Karuthedath, Yuliar Firdaus, Thomas D. Anthopoulos, and Frédéric Laquai

KAUST, Saudi Arabia