

FIRST Symposium on Organic Photovoltaics: Satellite Meeting of ICSM 2010

July 4, 2010

- 9:25–9:30 Prof. Hiroshi Segawa (The University of Tokyo)
Opening Remarks
- 9:30–10:00 Prof. Alan J. Heeger (University of California, Santa Barbara)
Recombination of Polymer–Fullerene Bulk Heterojunction Solar Cells
- 10:00–10:20 Prof. Hiroshi Segawa (The University of Tokyo)
Development of Next-Generation Organic Photovoltaics
- 10:20–10:45 Prof. Yang Yang (University of California, Los Angeles)
Recent Progress on Polymeric OPV Devices from UCLA
- (Break)
- 10:55–11:15 Prof. Masahiro Hiramoto (National Institutes of Molecular Science)
Organic p-i-n Solar Cells Incorporating Seven-Nine Purified Fullerene
- 11:15–11:40 Prof. Stephen R. Forrest and Dr. Noel C. Giebink (University of Michigan)
The Ideal Diode Equation for Organic Heterojunctions:
Understanding Charge and Exciton Transport
- 11:40–12:00 Prof. Shuzi Hayase (Kyushu Institute of Technology)
Aiming at High Efficiency Tandem and Hybrid Dye-Sensitized Solar Cells
—In terms of Diffusion of Carrier Species in Nanopores—
- (Lunch)
- 13:00–13:30 Prof. Sir Richard H. Friend (University of Cambridge)
Long Range Charge Separation at Organic Semiconductor Heterojunctions

- 13:30–13:50 Dr. Toshihiro Ohnishi and Mr. Kunihiro Miyake (Sumitomo Chemical Co., Ltd.)
Highly Efficient Organic Photovoltaic Cells Utilizing Conjugated Polymers
- 13:50–14:15 Prof. Fred Wudl (University of California, Santa Barbara)
Recent Advances in Materials for Organic Photovoltaics
- 14:15–14:40 Prof. John R. Reynolds (University of Florida)
Spectral Control with Donor–Acceptor Polymers for Photovoltaics
- (Coffee Break)
- 14:55–15:15 Mr. Daisuke Kitazawa (Toray Industries Inc.)
Newly Developed Donor Polymers for Organic Thin Film Solar Cells
- 15:15–15:40 Prof. Jean-Luc Brédas (The Georgia Institute of Technology)
Electronic Processes in Organic Solar Cells:
A Theoretical Description of the Donor–Acceptor Interface
- 15:40–16:00 Dr. Hideo Ohkita (Kyoto University)
Charge Generation and Recombination in Polymer Solar Cells
- 16:00–16:25 Prof. Olle Inganäs (Linköpings Universitet)
Alternating Polymers and Geometries for Polymer Solar Cells
- 16:25–16:30 Prof. Shinzaburo Ito (Kyoto University)
Closing Remarks