

# 3<sup>rd</sup> SOLVAY-COPE SYMPOSIUM

*Institute of Chemistry, Chinese Academy of Sciences*  
*Beijing, China*  
**JUNE 5-6**

## Friday, June 5

## ACADEMIC PRESENTATIONS

- 8:00am Registration
- 8:30 – 9:00am Welcome – Chair: J.L. Bredas, *Georgia Institute of Technology*
- Prof. L. Wan, *Director of the Institute of Chemistry, Chinese Academy of Sciences*
- Dr. P. Barthelemy, *Solvay, Senior Vice President – Organic Electronics*
- Dr. S.R. Marder, *Georgia Institute of Technology, Director of the Center for Organic Photonics and Electronics*

### Session 1 Chair: D. Zhu, *Institute of Chemistry, CAS*

- 9:00 – 10:00am M.E. Thompson, *University of Southern California*  
“New Materials for Organic Photovoltaic Devices”
- 10:00 – 10:20am S. Jenekhe, *University of Washington*  
“Donor-Acceptor Copolymer Semiconductors: Ambipolar Transistors and Enhanced Light Harvesting in Solar Cells”
- 10:20-10:50am *Break*

### Session 2 Chair: B. Kippelen, *Georgia Institute of Technology*

- 10:50 – 11:10am S.R. Marder, *Georgia Institute of Technology*  
“Surface Modification of Transparent Electrodes for Organic Electronics”
- 11:10 – 11:30am S. Wang, *Institute of Chemistry, CAS*  
“Conjugated Polyelectrolytes as Platforms for Biomacromolecule Detections”

- 11:30 – 11:50am J. Durrant, *Imperial College*  
“Charge Density Measurements in Organic Donor / Acceptor Heterojunctions”
- 11:50 – 12:10pm J.L. Bredas, *Georgia Institute of Technology*  
“The Donor-Acceptor Interface in Organic Solar Cells: A Theoretical Description”
- 12:10 – 2:00pm *Lunch*

Session 3 Chair: S.R. Marder, *Georgia Institute of Technology*

- 2:00 – 3:00pm K. Leo, *Institute of Applied Photo-Physics at Dresden Technical University*  
“Highly Efficient Organic Semiconductor Devices”
- 3:00 – 3:20pm B. Kippelen, *Georgia Institute of Technology*  
“High Performance Flexible Organic Complementary Inverters”
- 3:20 – 3:40pm Y. Song, *Institute of Chemistry, CAS*  
“Fabrication and Application of Polymer Photonic Crystals”
- 3:40 – 4:00pm *Break*

Session 4 Chair: Y. Qiu, *Tsinghua University*

- 4:00 – 4:20pm A. Kahn, *Princeton University*  
“Mo(tfd)<sub>3</sub>: a High Electron Affinity p-Dopant for Molecular Hole Transport Layers”
- 4:20 – 4:40pm T. Anthopoulos, *Imperial College*  
“Low-Voltage Organic Transistors Based on Self-Assembled Gate Dielectrics”
- 4:40 – 5:00pm Y. Liu, *Institute of Chemistry, CAS*  
“Preparation of  $\pi$ -conjugated Materials and their Applications in Organic Field-Effect Transistors”
- 5:15 – 6:45pm Poster session and reception

## Saturday, June 6

## INDUSTRIAL FORUM

- 8:45 – 9:15am P. Barthelemy, *Solvay*  
"Solvay in the Field of Organic Electronics"
- 9:15 – 9:35am D. Zhang, *Visionox*  
"Introduction of OLED Industry in China"
- 9:35 – 9:55am Q. Liu, *China Lucky Film*  
"The Optical Films Applied to FPD of Lucky Film Corporation"
- 9:55 – 10:15am Break
- 10:15 – 10:35am A. Hannah, *Plextronics*  
"Plextronics' Commercial Advancements in OPV and OLED Inks and Technology"
- 10:35 – 10:55am D. Yan, *Shanghai CAS Display*  
"Organic Thin-Film Transistors Based on Metal Phthalocyanine"
- 11:00 – 12:00pm Panel Discussion: Representatives of the five participating companies, B. Kippelen, J. Durrant, and Y. Liu.  
  
Moderator: P. Barthelemy – "How can we Accelerate the Commercial Developments of Organic Electronics?"