

WORKSHOP SCHEDULE

**Invited talk*

Monday, JULY 6

LOCATION

4:00 – 7:00 pm **Registration Open** *Atrium Lobby (2nd Floor)*

5:00 – 7:00 pm **Welcome Reception** *Atrium Lobby (2nd Floor)*

Chair: Ed Chandross

7:00 – 8:30 pm **Keynote Presentation** *Club Room (2nd Floor)*

*** Small Molecule Organic Solar Cells:
Seeking High Efficiency Via Crystalline Order**
Stephen Forrest, University of Michigan

Tuesday, JULY 7

LOCATION

7:00 am **Registration Opens** *Atrium Lobby (2nd Floor)*

7:00 am **Breakfast** *Marriott Mission Steak Restaurant
(2nd Floor)*

Chair: Tom Jackson *Club Room (2nd Floor)*

8:00 am *** Flexible Printed Sensor Tape**
Ana Arias, PARC

8:40 am *** Progress on Printed Low Voltage Electrolyte Gated OTFT**
Dan Frisbie, University of Minnesota

9:20 am **High-mobility electron-transporting materials for printed transistors**
He Yan, Polyera

9:50 am **Coffee Break** *Atrium Lobby (2nd Floor)*

10:20 am *** Spatial Atomic Layer Deposition of Zinc Oxide: an alternative approach to Printed Electronics**
Shelby Nelson, Kodak

11:00 am *** Advances in Materials Development for Printed Electronic**
Florian Doetz, BASF

11:40 am **Inkjet Printed diF-TES-ADT Organic Thin Film Transistors**
Y. V. Li, Penn State

12:10 pm **Lunch** *Atrium Lobby (2nd Floor)*

Chair: Mary Galvin *Club Room (2nd Floor)*

1:30 pm *** On the importance of morphology in donor-acceptor composite organic solar cells**
S. Balasubramanian, Konarka

2:10 pm *** Processing Strategies for Structural Control in Organic Solar Cells**
Lynn Loo, Princeton University

2:50 pm **Microcontact printing-based patterning techniques for OLED displays and other microelectronic devices**
Corinne Packard, MIT

- 3:20 pm **Coffee Break** *Atrium Lobby (2nd Floor)*
- 3:50 pm **Interface loss mechanisms in organic bulk heterojunction solar cells**
Robert Street, PARC
- 4:20 pm **Poster Previews**

Wednesday, JULY 8

LOCATION

- 7:00 am **Breakfast** *Marriott Mission Steak Restaurant
(2nd Floor)*
- Chair: Ana Arias** *Club Room (2nd Floor)*
- 8:00 am * **Insight into the synthesis, design and processing of narrow band gap organic semiconducting polymers for solar cell fabrication**
Gui Bazan, UC Santa Barbara
- 8:40 am * **Spectroscopic Studies of Current Quenching in Organic LEDs**
Lewis Rothberg, Rochester University
- 9:20 am **Transport at grain boundaries in polymeric and small molecule organic semiconductors**
Alberto Salleo, Stanford
- 9:50 am **Coffee Break** *Atrium Lobby (2nd Floor)*
- 10:20 am * **Solution-processed organic TFT for display application**
Kasumasa Nomoto, SONY
- 11:00 am * **Understanding Materials Design and Morphological Control For Enhanced Charge Transport in Organic Semiconductors**
Zhenan Bao, Stanford
- 11:40 am **Study of Top ITO Electrode Formation for Inverted Top Emission Organic Light Emitting Diode**
You-Jong Lee, Korea University
- 12:10 pm **Lunch** *Marriott Mission Steak Restaurant
(2nd Floor)*
- Chair: Michael Chabinyk** *Club Room (2nd Floor)*
- 1:30 pm * **Low Cost, Print-Based Manufacturing for Flexible OLED Displays**
Devin MacKenzie, AddVision
- 2:10 pm * **From rigid towards flexible OLED lamps**
Herbert Lifka, Philips
- 2:50 pm **Flexible/ ITO-free organic optoelectronic devices based on versatile multi-layer electrodes**
Seunghyup Yoo, KAIST Korea

3:20 pm **Coffee Break** *Atrium Lobby (2nd Floor)*

3:50 pm **Light Emitting Devices using Silicon Quantum Dots in PMMA**
Dan Yu, University of Minnesota

4:20 – 6:30 pm **Poster Session/Reception** *Foothill G (2nd Floor)*

Thursday, JULY 9 **LOCATION**

7:00 am **Breakfast** *Marriott Mission Steak Restaurant
(2nd Floor)*

Chair: John Kymisis *Club Room (2nd Floor)*

8:00 am * **Transistor Paint: An Amorphous Approach to Environmentally Stable Polymer Transistors with High Mobilities**
Richard McCullough, Carnegie Mellon University

8:40 am * **OTFT development for OLED Backplanes: Optimisation of high mobility 5um channel OTFTs**
Jonathan Halls, Cambridge Display

9:20 am **Oligothiophenes with a Diketopyrrolopyrrole Chromophoric Core for Solution Processed Organic Field Effect transistors and Photovoltaic Cells**
Arnold Tamayo, UC Santa Barbara

9:50 am **Coffee Break** *Atrium Lobby (2nd Floor)*

10:20 am * **Factors influencing photocurrent generation in organic bulk heterojunction solar cells**
Jenny Nelson, Imperial College

11:00 am * **Small Molecule-Polymer Blend Semiconductors and High-k Polymer Dielectrics for Organic Electronics**
Do Yoon, Seoul National University

11:40 am **Air Stable Organic Photovoltaics from Small Molecules Acene Derivatives**
Alon Gorodetsky, Columbia University

12:10 pm **Lunch** *Marriott Mission Steak Restaurant
(2nd Floor)*

Chair: Iain McCulloch *Club Room (2nd Floor)*

1:30 pm **Laterally-Patterned Organic Microcavity Device**
M. Scott Bradley, MIT

2:00 pm **Using organic thin-film transistors to characterize the interfacial composition of organic bulk heterojunction photovoltaic films**
Calvin K. Chan, NIST

2:30 pm **High and Low Bandgap Polyfluorene Copolymers for Organic Solar Cell**
Xiwen Chen, CSIRO Australia

3:00 pm **Break** *Atrium Lobby (2nd Floor)*

3:30 pm **Theoretical and experimental study of highly efficient blue emitters for organic light-emitting diodes**
Chang-Gua Zhen, University of Michigan

4:00 pm **Velocity-Field Characteristics of Pentacene OTFTs**
Brian Cobb, University of Texas/Austin