

## Conference Report

### Large-area, Organic and Printed Electronics Convention (LOPE-C): June 23 – 25, 2009 – Frankfurt, Germany

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#### A. Haase

This year LOPE-C conference program consisted of four main parts. On the first conference day seminars on devices, functional materials, printing technologies, barrier materials gave introductions to the respective topics. These seminars proved to be the perfect opportunity to get an overview on the field. In this context, especially the talks of Dr. **Andreas Ullmann**, **PolyIC** GmbH & Co. KG, on Devices in Organic / Printed Electronics and Prof. **Antonio Facchetti**, **Polyera** on Materials for Organic / Printed Electronics and Photonics proved to be particularly interesting.

Ullmann's seminar covered the basics of organic/printed electronic components including: organic rectifier diodes, organic thin-film transistors, organic circuits, power sources (batteries, RF-sources), organic photovoltaic devices, organic light-emitting devices, printed memories and sensors. In addition a general overview on traditional printing technologies was given.

Facchetti's seminar focused on the explanation of the basic materials concepts to understand the fundamentals of organic/printed electronic materials for transistor, photovoltaic, light-emission, and sensor applications.

The business conference part provided a compact overview on commercialization of organic and printed electronics. The topics were opportunities for new marketing and merchandising concepts, innovations in production processes and materials, ideas on future products and applications, financing as well as value chain considerations.

In the main conference speakers from industry and research offered insight into the technical world of organic and printed electronics. Discussion session topics were on new technologies and applications like organic photovoltaics, medical applications, OLEDs equipment/manufacturing, materials, RFID/R2R production, sensors, memory devices, integrated systems, OTFTs/displays, test and simulation, integrated systems/batteries, substrates/Smart textiles, test and simulation.

Additionally, there was a business fair with booths from several companies. PolyIC had life presentations from their products. Other companies like BASF, Solvay, Siemens, Fraunhofer, Coatema, Osram, HC-Starck, Agfa, and several more were also present. Polynet had its own booth, where demonstrators from the research cooperation platform were presented.