

Workshop and Summer School „Printed Electronics and Foil Assembly“ 07. - 10. June 2011, at Fraunhofer EMFT in Munich

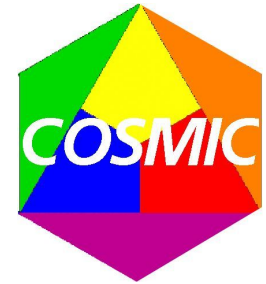


Workshop Program on Tuesday, 07. June 2011

- 9:00 **COSMIC – challenges and progress**
The progress in photoacoustic measurements of printed conductive layers
Inkjet Printed Functionalities - fundamentals and applications
- Gerhard Klink, Fraunhofer EMFT
 - Nikola Perinka, University of Pardubice
 - Jens Hammerschmidt, TU Chemnitz
- 10:30 Coffee break
- 11:00 **COSMIC : the challenges to meet the requirements of Full Printed organic CMOS Circuits**
Roll-to-roll based fabrication technologies for organic and large area electronics
Organic electronic human-machine interfaces: examples and perspectives
- Romain Gwoziecki, CEA-Liten
 - Arto Maaninen, VTT Finland
 - Adrian von Mühlengen, CESEM
- 12:30 Lunch break
- 13:30 **POLARIC - Printable, Organic and Large-Area Realisation of Integrated Circuits**
Printing and imprinting of organic electronic devices for multi-component sensors and logic circuits
Patterning with μ -CP
Tbd
- Kimmo Solehmainen, VTT Finland
 - Herbert Gold, JOANNEUM Research
 - Martin König, Fraunhofer EMFT
 - Joachim Steinke, Imperial College
- 15:30 Coffee break
- 16:00 **Chemistry and processing related aspects on the charge injection from source/drain contacts in organic thin film transistors**
Electrical Stress on Film Resistive Structures on Flexible Substrates
Printed multifunctional heterogeneous devices for efficient and sustainable mobility
- Robert Müller, IMEC
 - Detlef Bonfert, Fraunhofer EMFT
 - Vito Lambertini, Centro Ricerche Fiat S.C.p.A.

subsequent evening reception

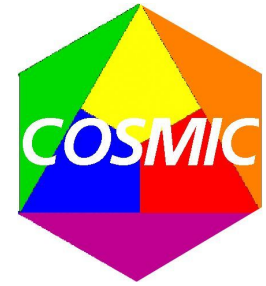
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Workshop Program on Wednesday, 08. June 2011

- 9:00 **Process Development - From Lab to Production Scale**
INTERFLEX: Interconnection Technologies for foil-based Flexible Systems
Thin Film Batteries and Electrochromatic on Flexible Foils
- Roger Pretot, BASF Schweiz AG
 - Metin Koyuncu, Robert Bosch GmbH
 - Messaoud Bedjaoui, CEA-Liten
- 11:00 Coffee break
- 11:30 **Heterointegration of foil components and printed circuit foils for flexible electronics**
Inkjet Printing of Inorganic Materials for Electrochromatic Window and Dye-sensitized Solar Cell Applications
Opportunities and challenges on creating an RFID Silent Tag using printed electronics
- Erwin Yacoub, Fraunhofer EMFT
 - Pawel Jerzy Wojcik, Universidade Nova de Lisboa
 - Humberto Moran, Friendly Technologies
- 13:00 Sandwich Lunch

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Summerschool Courses on Thursday and Friday, 09. – 10. June 2011

Schedule: Thursday 9:00 – 17:30, Friday 9:00 – 15:00, duration 90 minutes each, 4 rotating groups each consisting of 4 attendees

Organic and Printed Electronics	- Karlheinz Bock
Foil to Foil Lamination and Peel Testing	- Erwin Yacoub
Electrical Characterization of Printed Organic Components	- Detlef Bonfert
Assembly of Organic p- and n-Type Transistors	- Waqas Mumtaz
Laser as Tool for Foil Processing	- Dieter Bollmann
Roll-to-Roll Photolithography	- Axel Wille
Vacuum Systems in Roll-to-Roll Processing	- Andreas Drost

www.project-cosmic.eu