

Monday 29 – Tuesday 30 October 2007

**Sheraton Frankfurt Hotel and Towers,
Conference Centre, Frankfurt, Germany**

3rd Global Plastic Electronics Conference and Showcase



**Don't miss the Showcase running alongside the conference –
meet and greet with the industry's finest**

5 reasons to attend

- Gear yourself for commercial growth – network with some of the world's most influential PE professionals
- Tailor your own conference programme by picking the speakers that best suit your business activity
- Keep in touch with the research organisations and academics pushing the boundaries of plastic electronics and those hungry for commercial support
- Get to grips with the very latest applications in PE and gain the knowledge to tailor your product to achieve growth and profitability
- Explore the most innovative technologies in our showcase exhibition and talk to prospective business partners in an informal setting

SPONSORS AND EXHIBITORS



CO-SPONSORS



MEDIA PARTNERS



Plastic electronics have the potential to be one of the most significant technology developments to impact the modern world. A flood of new plastic electronic products are set to change the way we look at electronic devices, enabling smaller, cheaper, lighter, more functional and even disposable properties. To make the next big step towards this future the Plastic Electronics Foundation invite you to be a part of the largest global plastic electronics event in 2007.

Following the success of our 2006 event which attracted a 410 strong delegation of plastic electronics professionals from 39 different countries, the Plastic Electronics Foundation brings you **Global Plastic Electronics 2007**. This conference and showcase is purely focused on providing an annual global meeting platform for professionals and executives from business, industry, research institutes and academia with an interest in advancing organic electronics. Over the course of two days you'll be free to explore the plenary keynote programme, nine stream symposium programme and also network your way through the Industry Showcase.

So what's new this year?

- A broader selection of new industry applications
- More commercial products
- More delegates for even better networking opportunities

Who should attend?

- **Consumer electronics, displays, packaging, textiles, and other potential end-users** – whether this is a first introduction to the exciting world of printed electronics, or you're already involved, you'll discover how this technology can be the perfect way to improve efficiency and add value to your product
- **Developers of RFID, OLEDs and photovoltaics** – update your knowledge and critically examine the very latest research and development that can transform your printed electronic solution.
- **OEM's and technology start-ups** – take this unique opportunity to meet and discuss your developments with key players in the electronics industry
- **Printers and press suppliers** – discover the opportunities and understand the strategies for being part of the most disruptive technology in printing in the modern world. Identify which printing methods will hold the key to the future of this lucrative market
- **Ink, conductor and substrate suppliers** – hear what research is driving your competitors' developments and identify which direction you need to go to meet your customers' needs.

Your event organisers

For the first time, the Plastic Electronics Foundation is working with IntertechPira to host this event.

The Plastic Electronics Foundation is a not-for-profit organisation whose main objective is to promote the technology of printable, organic based flexible electronics into marketable applications and products worldwide. Using their expertise in this area, the Foundation is developing and co-ordinating the themes and programme of the conference.

IntertechPira is a leading events, training, online information and publications provider across a variety of zeitgeist issues and disruptive technologies, including organic electronics. Having established a reputation as a successful conference provider in this area, IntertechPira is responsible for the marketing, management and on-site operation of the event.

The Showcase – your route to the industry's leading decision makers

This October you can reach more than 500 of the world's foremost international leaders in organic electronics at one single event. These are the most innovative developers, R&D experts and senior academics you'll find in organic electronics - those who work on the cutting-edge of organic electronics who make investments, develop technology, form alliances and take decisions that alter the international landscape of this emerging industry.

This expert audience is coming to one place expressly for the benefit of meeting their colleagues from around the world, debate issues facing the industry and to view and review the products, services and solutions available from our conference sponsors and exhibitors. The global reach and outstanding reputation of the Plastic Electronics Foundation event assures that the attendees will comprise a broad range of top-level industry professionals and business contacts. The quality of the delegates means that exhibiting at the **3rd Global Plastic Electronics Conference and Showcase** will provide you with high quality leads – leads that may translate into a direct return on investment.

With over 30 companies already confirmed as participants in the showcase there are only a limited number of opportunities and booths remaining. For information regarding availability, please contact Caroline Potapa on +44 (0)1372 802101 or email caroline.potapa@plastic-electronics.org

Introduction to Plastic Electronics – WORKSHOP 1

Sunday 28 October 2007, 13.00 – 17.00 (including a 30 minute break)

The advent of a wide number of plastic electronic developments has increased the momentum of interest in this dynamic and fast moving industry. If you are new to plastic electronics make sure you attend this invaluable insight into the world of PE and the markets and technologies that are promising to change the future world we will live in.

Highlights include:

- Defining printed electronics and its current parameters
- Key technologies
- Printing methods used
- Exploring the key application areas

Workshop leader: Prof. Dr. Vivek Subramanian, Associate Professor, EECS, University of California, USA

Gearing your company for venture capital investment – WORKSHOP 2

Sunday 28 October 2007, 13.00 – 17.00 (including a 30 minute break)

Even the best products and ideas can reach a glass ceiling. R&D and financial resources often fail to keep up with the development potential of the idea itself, especially in the dynamic plastic electronic sector. Venture capital funding is increasingly being used as an effective method of fast tracking product development and hitting the market before the rest of the competition. Join like-minded professionals at this half day workshop led by one of the world's most highly regarded venture capital companies.

Highlights include:

- Current investment climate for plastic electronics
- Key investment clusters
- Key application areas
- Key considerations of a venture capitalist
- Outlining the investment process
- Perfecting the business plan

Workshop leader: Dr. Andre Moreira, Investment Manager, BASF Venture Capital, USA

Drinks reception

sponsored by Invest in Germany



Sunday 28 October, 20:00

Invest in Germany has the pleasure of inviting all conference participants to their cocktail reception on Sunday 28th October 28 at 20.00 in the Glasshouse (at the Sheraton Frankfurt Hotel and Towers). Our Invest in Germany Networking Lounge will be open for conference participants to meet up with peers and find out more about the opportunities that the German market offers for international organic electronic companies.

Inkjet printed electronics – improving speed, efficiency and volume – WORKSHOP 3

Wednesday 31 October 2007, 09.00 – 13.00 (including a 30 minute break)

Development of inkjet technology is one of the most important aspects driving the commercial realisation of many plastic electronics innovations. During the course of this half day workshop you will be led through the very latest developments in industrial inkjet and learn about the most interesting and prosperous applications that inkjet is being applied to.

Highlights include:

- Latest technology developments
- Ink formulation issues
- Challenges of working with inkjet
- Industrial applications of inkjet including packaging, publishing and digital manufacturing
- Potential, benefits and applications of inkjet in printed electronics

Workshop leaders: Dr. John Attard, Business Development Manager for Organic Semiconductors and Printed Electronics, Xaar, UK and Speaker TBC, VTT, Finland



Subscribe NOW to the official publication of the Plastic Electronics Foundation, +Plastic

Reflecting the global mission of the the Foundation, +PLASTIC is a joint venture between the PEF and IntertechPira.

This brand new title explores business opportunities created by new organic electronic technologies and examines the challenges faced by developers and their partners. +PLASTIC is the first magazine of its kind and will make a vital contribution towards promoting and helping to develop this exciting new industry.

Why subscribe?

- Gain exclusive indepth reporting on the way plastic electronics are being used today and in the near future
- Explore business opportunities created by new organic electronic technologies
- Read interviews with the leading suppliers and end users every issue - get inside the mind of the business leaders taking these new technologies to market and understand the challenges they face - how they solve early obstacles, problems with technology, design, funding etc.
- Understand how the companies making headway have got to where they are
- Benefit from on the ground reporting from the major organic electronic clusters

Get the inside track on the major players and developing technologies

Subscribe now and enjoy the developer profiles in issue 1. These include a look into:

O'Neill, Jaguar Cars, Elumin8, PolyIC and Nanoident, plus an exclusive look at Dresden's PE cluster.

To subscribe go online at
www.plusplasticelectronics.com
or telephone +44 (0)1372 802080

Drinks reception

sponsored by City of Dresden



Monday 29 October, 17:30

The City of Dresden would like to take this opportunity to welcome all delegates to the **3rd Global Plastic Electronics Conference and Showcase** with a drinks reception after the close of day 1. The evening will be an excellent opportunity for delegates to network with fellow delegates and discuss the proceedings of the day and learn more about the opportunities that the City of Dresden has to offer international organic electronic companies. The Bierfest will follow the drinks reception.

Bierfest social event!



Monday 29 October, 20.00

Round off your conference day with a selection of famous German beers and an extensive 3 course Bavarian buffet dinner at the evening Bierfest! The conference venue will be transformed into a Bierkeller for the evening where you can enjoy music, relaxed networking and the famous 'Gemütlichkeit' of the traditional Oktoberfest season. Book early to avoid disappointment.

Price per head is €70 for the Bierfest, please select this option when booking your conference place.

With presentations from leading companies

Acreo	Enfucell	Motorola	Sumation Co.
Applied Materials	EPFL	Nanoident Technologies AG	Technion University
Arizona State University	ERSO/ITRI	Nanyang University	Textile Testing and Innovation
Aristotle University of Thessaloniki	European Commission Directorate	National Chiao Tung University	Tsukuba
Asahi-Kasei Chemicals Corp	FEI Company	Novaled	Unidym
BASF	Fraunhofer Institute	Novalia	Uninova
Carnegie Mellon University	Fujifilm Dimatix	Optoelectronics Industry Development Association	Universal Display Corporation
CEA/LITEN	Georgia Institute of Technology	Osaka University	University of California
CEA-LETI	Ghent University	OSRAM Opto Semiconductors	University of Cambridge
CENIMAT	Graz University of Technology	OTB Engineering	University of Cologne
Centro Ricerche Fiat	Heliatek	Palmore Brown University	University of Durham
Chilworth Technical Centre	IBM	Palo Alto Research Center (PARC)	University of Florida
ChipCo International	Ifra	Polyera	University of Linz
Clothing+	IMEC	Polymer Vision	University of Manchester
Cornell University	Imperial College London	Power Paper	University of Maribor
CSEM	Institute of Applied Photophysics	RFX3	University of Pisa
Danish Polymer Centre	Joanneum Research	Samsung	University of Strathclyde
DisplaySearch	Karlsruhe University	Siemens	University of Texas
Dupont Electronic and Communication Technologies	Kiian SpA	SiPix Imaging Inc	University of Tokyo
Eastman Kodak Company	Kodak	Soligie	University of Twente
Ecole Polytechnique de Montréal	Konarka	Starck	University of Valencia
Eindhoven University of Technology	Konica Minolta	STELLA Project	University of the Western Cape
E-Ink Corporation	Kyung Hee University	Stora Enso	UPM
EMPA	LG. Philips LCD	Stuttgart University	VTT
			Waseda University
			Yamagata University

Who's speaking on the plenary programme



Ed van den Kieboom
President
Plastic Electronics Foundation



Prof Dr Michael Graetzel
Professor,
EPFL,
Laboratory of Photonics & Interfaces,
Lausanne,
Switzerland



Prof. Dr. Lieva Van Landenhove
Professor Faculty of Engineering,
Department of Textiles,
Ghent University,
Belgium



Prof Dr Alan Heeger
Director of the Centre for Polymers and Organic Solids,
University of California, Santa Barbara, US



Prof Dr Harri Kopola
Director of the Center for Printed Intelligence,
VTT Electronics,
Oulu, Finland



Dr In-Jae Chung
Chief Technology Officer and Executive Vice President,
LG. Philips LCD,
Seoul, Korea



Dr Bernhard Stapp
Vice President & Chief Technology Officer,
OSRAM Opto Semiconductors GmbH, Regensburg, Germany

Plenary Programme

Day 1	October 29, 2007, 08.00 – 10.45	Day 2	October 30, 2007, 08.00 – 10.45
08.00 – 09.00	Registration for Conference & Showcase	08.00 – 09.00	Registration for Conference & Showcase
09.00 – 09.15	Mr. Ed van den Kieboom , Conference Director, Plastic Electronics 2007: Welcome and overview of the conference programme	09.00 – 09.15	Mr. Ed van den Kieboom , Conference Director Plastic Electronics 2007: Welcome and overview of the conference programme
09.15 – 09.45	Prof. Dr. Michael Graetzel , Director, Centre for Printed Intelligence, Ecole Polytechnique Fédérale de Lausanne, Switzerland The advent of mesoscopic solar cells	09.15 – 09.45	Dr. Bernhard Stapp , Vice President and Chief Technology Officer, OSRAM Opto Semiconductors, Germany Solid state lighting – from technology to applications
09.45 – 10.15	Prof. Dr. Alan Heeger , Director of the Centre for Polymers and Organic Solids, University of California, Santa Barbara, US Low cost plastic solar cells: A dream becoming reality	09.45 – 10.15	Prof. Dr. Lieva Van Landenhove , Professor Faculty of Engineering, Department of Textiles, Ghent University, Belgium Overview of recent achievements in R&D for smart textiles
10.15 – 10.45	Dr. In-Jae Chung , Chief Technology Officer and Executive Vice President, LG. Philips LCD, Korea Technology issues and opportunities for flexible displays	10.15 – 10.45	Prof. Dr. Harri Kopola , Director Centre for Printed Intelligence, VTT Electronics, Finland Technologies, innovations and new business opportunities in printed intelligence
10.45 – 11.15	Coffee break and move to Parallel Symposium rooms	10.45 – 11.15	Coffee break and move to Parallel Symposium rooms

Parallel Symposium on Hybrid Organic-Inorganic Opportunities

Day 1 October 29, 2007, 11.15 – 17.15

Chairman & Moderator	Prof. Stergios Logothetidis , Founder and Director of the Lab for Thin Films – Nanosystems & Nanometrology (LTFN), Aristotle University of Thessaloniki, Thessaloniki, Greece
11.15 – 11.45	Dr. George Gruner , CTO, Unidym, USA Carbon for plastic electronics
11.45 – 12.15	Dr. Jens Fürst , Innovative Electronics, Corporate Technology, Materials and Microsystems, Siemens, Germany 256x256 pixels active matrix photo detector combing an amorphous silicon thin film transistor array with organic photo diodes
12.15 – 14.00	Lunch break and visit to the showcase and poster sessions
14.00 – 14.30	Mr. David B. Mitzi , Research Division, IBM, USA Solution-based deposition of metal chalcogenides
14.30 – 15.00	Mr. Pietro Perlo , Program Manager, Advanced Technologies for Mobility and Safety, Centro Ricerche Fiat, Italy Presentation title to be confirmed
15.00 – 15.30	Dr. Sabine Amberg-Schwab , Project Manager, Fraunhofer Institute, Germany Flexible barrier materials for technical applications
15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Dr. Stéphanie Lacour , Department of Materials Science & Metallurgy, University of Cambridge, UK Deformable and stretchable thin-film devices for biomedical applications
16.45 – 17.15	Wildcard session. Speaker and title of presentation to be announced shortly

Day 2 October 30, 2007, 11.15 – 17.15

Chairman & Moderator	Prof. Stergios Logothetidis , Founder and Director of the Lab for Thin Films- Nanosystems & Nanometrology (LTFN), Aristotle University of Thessaloniki, Thessaloniki, Greece
11.15 – 11.45	Prof. Dr. Elvira Fortunato , Department of Materials Science, Uninova, Portugal Oxide based TFTs produced at room temperature
11.45 – 12.15	Dr. Jin Jang , Advanced Display Research Centre, Kyung Hee University, Korea Process optimisation of organic TFTs for high-performance device
12.15 – 14.00	Lunch break and visit to the showcase and poster sessions
14.00 – 14.30	Wildcard session. Speaker and title of presentation to be announced shortly
14.30 – 15.00	Dr. Debbie Stokes , Market Development Manager, FEI Company, Netherlands Structure, properties and function of polymer electronics: novel techniques for advanced 3D analysis down to the nanoscale
15.00 – 15.30	Wildcard session. Speaker and title of presentation to be announced shortly
15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Wildcard session. Speaker and title of presentation to be announced shortly
16.45 – 17.15	Wildcard session. Speaker and title of presentation to be announced shortly

Parallel Symposium on Organic Based Flexible Displays

Day 1 October 29, 2007, 11.15 – 17.15

Chairman & Moderator	Dr. Mike Hack , Vice President of Strategic Product Development, Universal Display Corporation, USA
11.15 – 11.45	Mr. Barry Young , Senior Vice President, DisplaySearch, USA Flexible display market and challenges
11.45 – 12.15	Wildcard session. Speaker and title of presentation to be announced shortly
12.15 – 14.00	Lunch break and visit to the showcase and poster sessions
14.00 – 14.30	Dr. Michael McCreary , Vice President Research and Advanced Development, E-Ink Corporation, USA Presentation title to be confirmed
14.30 – 15.00	Dr. Robert Sprague , Senior Vice President of Research, Development, and Engineering, SiPix Imaging Inc., USA Opportunities for organic electronics in flexible reflective displays
15.00 – 15.30	Dr. Edzer Huitema , Chief Technology Officer, Polymer Vision, Netherlands Presentation title to be confirmed
15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Dr. Jurgen Daniel , Senior Researcher, Palo Alto Research Center [PARC], USA All-additive organic electronics using jet-printing and its application to flexible paper-like displays
16.45 – 17.15	Dr. Toshihiro Ohnishi , Tsukuba Research Laboratory, Sumitomo Chemical Co., Ltd., Tsukuba, Japan Recent progress in soluble semi-conducting polymers

Day 2 October 30, 2007, 11.15 – 17.15

Chairman & Moderator	Dr. Mike Hack , Vice President of Strategic Product Development, Universal Display Corporation, USA
11.15 – 11.45	Mr. Peter Shin , Senior Vice President (Head of Display Solution Team), LCD R&D Centre, LCD Business, Samsung Electronics, Korea Technology trends and progress in flexible displays
11.45 – 12.15	Wildcard session. Speaker and title of presentation to be announced shortly
12.15 – 14.00	Lunch break and visit to the showcase and poster sessions
14.00 – 14.30	Dr. James Prendergast , Vice President and Chief Technology Officer, Dupont Electronic & Communication Technologies, USA Presentation title to be confirmed
14.30 – 15.00	Dr. Stig Nordqvist , Ifra Director of Business Development, Ifra, Sweden Ifra eNEWS – The global digital mobile e-reading initiative
15.00 – 15.30	Prof. Dr. Norbert Fruehauf , Director of the Chair of Display Technology, Stuttgart University, Germany Active matrix OLED display technologies
15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Dr. Mark James , Senior Scientist, Merck Chemicals, Chilworth Technical Centre, UK Inkjet printing of functional materials
16.45 – 17.15	Wildcard session, speaker and presentation to be announced shortly

Parallel Symposium on Lighting & Signage

Day 1 October 29, 2007, 11.15 – 17.15

Chairman & Moderator	Dr. Karsten Heuser , Head of OLED Lighting Technology, OSRAM Opto Semiconductors GmbH, Germany
11.15 – 11.45	Dr. Andreas Elschner , Senior Scientist, H.C. Starck GmbH, Germany Conductive polymer PEDOT/PSS for ITO-substitution and for OLED buffer-layers
11.45 – 12.15	Dr. Scott Brown , Executive Vice President, Sumation, UK P-OLEDs – Destined for niche markets or a mainstream FPD and lighting technology?
12.15 – 14.00	Lunch break and visits to the showcase and poster sessions
14.00 – 14.30	Mr. Hirofumi Ohtani , General Manager 2nd R&D Division, Display Technology R&D Laboratories, Konica Minolta Technology Center, Japan Phosphorescent white OLEDs with extremely high power efficiency and long lifetime
14.30 – 15.00	Dr. Sundaram Krishnamurthy , Director R&D OLED Material Display and Components Business, Eastman Kodak Company, United States Presentation title to be confirmed
15.00 – 15.30	Prof. Dr. Junji Kido , Professor, Yamagata University, Japan Recent progress in white OLEDs
15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Dr. Mike Hack , Vice President of Strategic Product Development, Universal Display Corporation, USA High performance white phosphorescent OLEDs
16.45 – 17.15	Dr. Michael Leiby MBA , President & CEO, Optoelectronics Industry Development Association, USA The OIDA OLED technology roadmap

Day 2 October 30, 2007, 11.15 – 17.15

Chairman & Moderator	Dr. Karsten Heuser , Head of OLED Lighting Technology, OSRAM Opto Semiconductors GmbH, Germany
11.15 – 11.45	Dr. Henk Bolink , Principal Scientist Molecular Science Institute, University of Valencia, Spain Electroluminescence from ionic transition metal complexes
11.45 – 12.15	Prof. Dr. Ghassan Jabbour , Professor and Director of Flexible and Organic Electronics Development Laboratories, Flexible Display Centre & School of Materials, Arizona State University, USA Presentation title to be confirmed
12.15 – 14.00	Lunch break and visit to the showcase and poster sessions
14.00 – 14.30	Dr. Gunther Haas , Program Manager, CEA-LETI, France Low voltage OLED technology for display and lighting applications
14.30 – 15.00	Dr. Jan Blochwitz-Nimoth , Chief Technology Officer, Director, Novaled AG, Germany The use of doping technology for display, lighting and further organic electronic applications
15.00 – 15.30	Dr. Ingo Muenster , Head of Research on Dyes for Electronics, Energy and Communication Technologies, BASF, Germany Recent progress in deep-blue phosphorescent dyes
15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Prof. Dr. Franky So , Associate Professor, College of Engineering, Materials Science Engineering Dept. University of Florida, USA Presentation title to be confirmed
16.45 – 17.15	Dr. Klaus Michael , Director New Business Development Europe, Applied Materials GmbH, Germany OLED production system for the lighting market

Parallel Symposium on Photovoltaics

Day 1	October 29, 2007, 11.15 – 17.15	Day 2	October 30, 2007, 11.15 – 17.15
Chairman & Moderator	Prof. Dr. Michio Matsumura , Research Centre for Solar Energy Chemistry, Osaka University, Japan	Chairman & Moderator	Prof. Dr. Michio Matsumura , Research Centre for Solar Energy Chemistry, Osaka University, Japan
11.15 – 11.45	Dr. John De Mello , Department of Chemistry, Imperial College London, UK New routes to efficient organic solar cells	11.15 – 11.45	Mr. Robert Koeppel , Linz Institute for Organic Solar Cells, Physical Chemistry, University of Linz, Austria Current challenges in organic solar cell research
11.45 – 12.15	Prof. Dr. Bernard Kippelen , Associate Director, Center for Organic Photonics and Electronics, Georgia Institute of Technology, USA Flexible and sustainable power platforms for wireless sensor networks	11.45 – 12.15	Prof. Dr. Karl Leo , Professor of Optoelectronics and Head of the Institute of Applied Photophysics, Germany Small molecule organic solar cells – status and perspectives
12.15 – 14.00	Lunch break and visit to the showcase and poster sessions	12.15 – 14.00	Lunch break and visit to the showcase and poster sessions
14.00 – 14.30	Dr. Martin Pfeiffer , CTO, Heliatek, Germany High volume production techniques for organic solar cells	14.00 – 14.30	Wildcard session. Speaker and title of presentation to be announced shortly
14.30 – 15.00	Prof. Dr. David Shieh , National Chiao Tung University, Taiwan Improving the power conversion rate of organic solar cells	14.30 – 15.00	Dr. Frank Nüesch , Head of Laboratory for Functional Polymers EMPA, Switzerland Solar cells based on photographic dyes
15.00 – 15.30	Dr. Christoph Brabec , Chief Technology Officer, Konarka, Austria Reducing cost and increasing versatility with novel solar cell technology	15.00 – 15.30	Prof. Dr. Klaus Meerholz , University of Cologne, Germany In-depth study of loss mechanisms and degradation in P3HT:PCBM bulk-heterojunction solar cells
15.30 – 16.15	Tea break and visit to the showcase and poster sessions	15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Dr. Frederik Krebs , Senior Scientist, Manager for Solar Cell Research, Risø National Laboratory, Danish Polymer Centre, Denmark Production methods for stable polymer photovoltaics	16.15 – 16.45	Prof. Dr. René Janssen , Full Professor in Physical Organic Chemistry, Eindhoven University of Technology, Netherlands Small band gap and multi-junction polymer solar cells
16.45 – 17.15	Wildcard session. Speaker and title of presentation to be announced shortly	16.45 – 17.15	Wildcard session. Speaker and title of presentation to be announced shortly

Parallel Symposium on Smart Packaging

Day 1	October 29, 2007, 11.15 – 17.15	Day 2	October 30, 2007, 11.15 – 17.15
Chairman & Moderator	Prof. Dr. Harri Kopola , Director Centre for Printed Intelligence, VTT Electronics, Finland	Chairman & Moderator	Prof. Dr. Harri Kopola , Director Centre for Printed Intelligence, VTT Electronics, Finland
11.15 – 11.45	Dr. Nick Stone , Founder, Novalia, UK Realising the potential of high volume printed electronics for packaging	11.15 – 11.45	Mr. Lars Sandberg , Manager CDM Solutions, New Business Innovations, Stora Enso, Sweden Electric opening of packages
11.45 – 12.15	Dr. Maria Smolander , Senior Research Scientist, VTT, Finland Printed enzyme based power sources and enzyme based smart devices for packaging	11.45 – 12.15	Mr. Kyösti Haapoja , Development Engineer, Smart Labels, UPM Corporate Venturing, Finland UPM indicator labels, solutions for food packaging
12.15 – 14.00	Lunch break and visit to the showcase and poster sessions	12.15 – 14.00	Lunch break and visits to the showcase and poster sessions
14.00 – 14.30	Mr. Masahiko Kawashima , Key Researcher, Asahi-Kasei Chemicals Corp, Japan Oxygen indicators in smart packaging	14.00 – 14.30	Dr. Lynn Loo , Assistant Professor of Chemical Engineering General Dynamics Endowed Faculty Fellow, University of Texas at Austin, USA Doped plastic technology and the opportunities for cheap flexible wiring in high volume electronics
14.30 – 15.00	Dr. Göran Gustafsson , Manager, Printed Electronics, Acreo, Sweden High volume printable electronics	14.30 – 15.00	Wildcard session. Speaker and title of presentation to be announced shortly
15.00 – 15.30	Mr. Franco Fattorini , Deputy Chairman, Kiian, Italy Smart inks for smart packaging	15.00 – 15.30	Wildcard session. Speaker and title of presentation to be announced shortly
15.30 – 16.15	Tea break and visit to the showcase and poster sessions	15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Wildcard session. Speaker and title of presentation to be announced shortly	16.15 – 16.45	Wildcard session. Speaker and title of presentation to be announced shortly
16.45 – 17.15	Wildcard session. Speaker and title of presentation to be announced shortly	16.45 – 17.15	Wildcard session. Speaker and title of presentation to be announced shortly

Parallel Symposium on Organic Labels & Tags

Day 1	October 29, 2007, 11.15 – 17.15	Day 2	October 30, 2007, 11.15 – 17.15
Chairman & Moderator	Dr. Daniel Gamota , Director Printed Electronics Products, Motorola Corporation, USA	Chairman & Moderator	Dr. Daniel Gamota , Director Printed Electronics Products, Motorola Corporation, USA
11.15 – 11.45	Mr. Matt Timm , President, Soligie, USA Commercialisation through collaborative innovation	11.15 – 11.45	Wildcard session. Speaker and title of presentation to be announced shortly
11.45 – 12.15	Mr. Eran Elizur , Director, Business Development, Kodak Graphic Communications, Canada Building a business in printable electronics, an equipment vendor's perspective	11.45 – 12.15	Mr. Ari Alastalo , Senior Research Scientist, D.Sc. (Tech) Team Leader, Printable Sensors, VTT, Finland Inorganic nanoparticle structures and technologies for printable electronics
12.15 – 14.00	Lunch break and visits to the showcase and poster sessions	12.15 – 14.00	Lunch break and visits to the showcase and poster sessions
14.00 – 14.30	Mr. Peter Grimlund , CEO, RFX3, USA If you tag it, will anyone care? – The business case for item level tagging	14.00 – 14.30	Mr. Aimin Song , Microelectronics and Nanostructures Group, University of Manchester, UK Printed MHz devices for organic electronics
14.30 – 15.00	Mr. John Kendall , President, ChipCo International, USA RFID in the global gaming industry	14.30 – 15.00	Mr. Marcel Grooten , CEO, OTB Engineering, Netherlands Presentation title to be confirmed
15.00 – 15.30	Prof. Dr. Paul Heremans , Program Manager 'Organic Circuits' HOLST, IMEC, Belgium Frequency requirements and status for plastic RFID	15.00 – 15.30	Mr. Philippe Inagaki , Co-founder, Polyera, USA Material platforms for printed 'CMOS' circuits
15.30 – 16.15	Tea break and visit to the showcase and poster sessions	15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Dr. Ananth Dodabalapur , Head of Microelectronics Research Center, University of Texas at Austin, USA Presentation title to be confirmed	16.15 – 16.45	Mr. Martin Schoeppler , VP Marketing and Sales, Fujifilm Dimatix, USA Manufacturing organic electronics and sensors with inkjets
16.45 – 17.15	Wildcard session. Speaker and title of presentation to be announced shortly	16.45 – 17.15	Wildcard session. Speaker and title of presentation to be announced shortly

Parallel Symposium on Sensors

Day 1 October 29, 2007, 11.15 – 17.15

Chairman & Moderator	Prof. Dr. Günther Leising , Institute of Solid State Physics, Graz University of Technology, Austria
11.15 – 11.45	Dr. Franz Padinger , CTO, Nanoldent Technologies AG, Germany Semiconductor 2.0: products and perspectives
11.45 – 12.15	Dipl.-Ing Dr. Georg Jakopic , Vice Head of Institute, Joanneum Research, Austria Integrated optical sensors modules with organic components
12.15 – 14.00	Lunch break and visits to the showcase and poster sessions
14.00 – 14.30	Dr. Hossam Haik , Technion University, Israel Chemical sensors and e-nose devices that are based on molecule-based FETs
14.30 – 15.00	Dr. Carsten Winnewisser , Section Head, CSEM, Switzerland Towards integrated photonics systems based on organic semiconductors
15.00 – 15.30	Dr. Hiroshi Kawaguchi , University of Tokyo, Japan Exploring the latest developments in sheet-type scanners
15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Prof. Dr. Michael C Petty , Co-Director, Centre for Molecular and Nanoscale Electronics, School of Engineering, University of Durham, UK Inkjet-printed films of organic materials for chemical sensing
16.45 – 17.15	Wildcard session. Speaker and title of presentation to be announced shortly

Day 2 October 30, 2007, 11.15 – 17.15

Chairman & Moderator	Prof. Dr. Günther Leising , Institute of Solid State Physics, Graz University of Technology, Austria
11.15 – 11.45	Prof. Dr. Emmanuel Iwuoha , Sensorlab, Department of Chemistry, University of the Western Cape, South Africa Presentation title to be confirmed
11.45 – 12.15	Prof. Dr. Richard McCullough , Carnegie Mellon University, US Printed nanosensors based on conductive polymers
12.15 – 14.00	Lunch break and visit to the showcase and poster sessions
14.00 – 14.30	Dr. George Malliaras , Department of Material Science and Engineering, Cornell University, USA Conducting polymer transistors for sensor applications
14.30 – 15.00	Dr. Uli Lemmer , Karlsruhe University, Germany Organic semiconductor lasers as integrated light sources for optical sensor systems
15.00 – 15.30	Dr. Ing Rostyslav Sklyar , Independent Researcher, Ukraine CNT and organic FET based two-way transducers of the (bio)electric signals
15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Dr. Wei-Huang , Nanyang University, Singapore Polysilanes of organic sensors
16.45 – 17.15	Dr. Birendra Singh , Assistant Professor, Institute of LIOS, Johannes Kepler University of Linz, Austria Understanding the development of organic transistors

Parallel Symposium on Smart Textiles

Day 1 October 29, 2007, 11.15 – 17.15

Chairman & Moderator	Mr. Andreas Lymberis , Research Programme Officer Microsystems, European Commission Directorate, General Information Society, Belgium
11.15 – 11.45	Wildcard session. Speaker and title of presentation to be announced shortly
11.45 – 12.15	Dr. Barbara Pause , CEO & Founder, Textile Testing & Innovation, US Utilisation of solar energy with new textile heat accumulators
12.15 – 14.00	Lunch break and visit to the showcase and poster sessions
14.00 – 14.30	Dr. Carla Hertleer , Assistant Professor, Department of Textiles, Ghent University, Belgium E-Textile antenna for off-body communication in protective clothing
14.30 – 15.00	Dr. Guy Voirin , Project Manager, CSEM, Switzerland Advanced e-textiles for firefighters and civilian victims
15.00 – 15.30	Dr. Annalisa Bonfiglio , Associate Professor of Electronics, Dept. of Electrical and Electronic Engineering (DIEE) University of Cagliari, Italy Presentation title to be confirmed
15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Dr. Ileana Manunza , Dept. of Electrical and Electronic Engineering (DIEE), University of Cagliari, Italy Polymeric piezoelectric fibres
16.45 – 17.15	Dr. Alessandro Tognetti , Interdepartmental Research Centre 'E.Piaggio', University of Pisa, Italy Sensing fabrics for body posture and gesture classification

Day 2 October 30, 2007, 11.15 – 17.15

Chairman & Moderator	Mr. Andreas Lymberis , Research Programme Officer Microsystems, European Commission Directorate, General Information Society, Belgium
11.15 – 11.45	Mr. Akseli Reho , Director of Research, Clothing+, Finland Improving the functionality of textile electronics
11.45 – 12.15	Prof. Dr. Maksim Skorobogatiy , Canada Research Chair in Photonic Crystals, Ecole Polytechnique de Montréal, Canada All-plastic photonic crystal fibres for applications in colourful textiles
12.15 – 14.00	Lunch break and visit to the showcase and poster sessions
14.00 – 14.30	Wildcard session. Speaker and title of presentation to be announced shortly
14.30 – 15.00	Dr. Christopher Klatt , Coordinator, STELLA Project, Germany Presentation title to be confirmed
15.00 – 15.30	Dr. Aleksandra Lobnik , Associate Professor, Faculty of Mechanical Engineering, University of Maribor, Slovenia Optical chemical sensors incorporated into textile materials
15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Wildcard session. Speaker and title of presentation to be announced shortly
16.45 – 17.15	Wildcard session. Speaker and title of presentation to be announced shortly

Parallel Symposium on Fuel Cells & Batteries

Day 1 October 29, 2007, 11.15 – 17.15

Chairman & Moderator	Prof. Dr. Hiroyuki NISHIDE , Waseda University, Japan
11.15 – 11.45	Prof. Dr. Matthias Wessling , Professor, University of Twente, Netherlands Presentation title to be confirmed
11.45 – 12.15	Mr. Jaakko Happonen , CEO, Enfucell, Finland Presentation title to be confirmed
12.15 – 14.00	Lunch break and visit to the showcase and poster sessions
14.00 – 14.30	Dr. Bertrand Fillon , Senior Research Programme Manager, CEA/LITEN, France Presentation title to be confirmed
14.30 – 15.00	Mr. Zvi Nitzan , CTO, Power Paper, Israel Presentation title to be confirmed
15.00 – 15.30	Prof. Dr. Tayhas Palmore , Brown University, USA Presentation title to be confirmed
15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Dr. Yuichi Aihara , Samsung, Yokohama Research Institute, Samsung, Japan New polymer electrolyte membranes for fuel cells
16.45 – 17.15	Wildcard session. Speaker and title of presentation to be announced shortly

Day 2 October 30, 2007, 11.15 – 17.15

Chairman & Moderator	Prof. Dr. Hiroyuki NISHIDE , Waseda University, Japan
11.15 – 11.45	Dr. Kenichi Oyaizu , Department of Applied Chemistry, Waseda University, Tokyo Organic radical batteries with high power density
11.45 – 12.15	Prof. Dr. Peter J Skabara , Department of Pure and Applied Chemistry, University of Strathclyde, UK High charge storage capacity materials
12.15 – 14.00	Lunch break and visit to the showcase and poster sessions
14.00 – 14.30	Wildcard session. Speaker and title of presentation to be announced shortly
14.30 – 15.00	Wildcard session. Speaker and title of presentation to be announced shortly
15.00 – 15.30	Wildcard session. Speaker and title of presentation to be announced shortly
15.30 – 16.15	Tea break and visit to the showcase and poster sessions
16.15 – 16.45	Wildcard Session. Speaker and title of presentation to be announced shortly
16.45 – 17.15	Wildcard Session. Speaker and title of presentation to be announced shortly



Venue

Located next to Frankfurt International Airport, the Sheraton Frankfurt Hotel and Towers provides an ideal meeting place for the global plastic electronics community. As well as having excellent conference and tradeshow facilities, The Sheraton Frankfurt Hotel

and Towers is also a great place to relax and an excellent base from which to explore the historic city of Frankfurt. Located in the heart of Europe with easy global access, Frankfurt is the perfect location for both business and pleasure. All rooms have high speed internet access as well as W-Lan, voicemail, TV and minibar or fridge, as well as spacious working area.

Sheraton Frankfurt Hotel and Towers
 Rhein Main Airport, Frankfurt 60549, Germany
www.starwoodhotels.com/sheraton/frankfurt

How to reserve your hotel room at the Sheraton Frankfurt Hotel & Towers

Delegates are responsible for organising their own travel and accommodation. A limited number of rooms have been reserved for conference delegates wishing to stay at the Sheraton Frankfurt Hotel and Towers at a reduced rate of €175 single occupancy or €190 double occupancy (including American Breakfast, 19% VAT and service charge). Rooms booked under this arrangement may only be cancelled or changed up to 48 hours in advance; otherwise full payment will be required. This special offer expires on 15 October but as space is limited please book early to avoid disappointment. Please indicate on your booking form whether you intend to book a room.

To book your accommodation, please use the fax form at www.plastic-electronics.org/site/reservationform.pdf or book online at www.starwoodmeeting.com/book/electronics

Tel. +49 69 69 77 12 03 to 12 06 / Fax +49 69 69 77 23 51
 Email: reservationsfrankfurt@sheraton.com

Please quote reference 'Plastic Electronics Conference'.

Conference fees

The conference fee includes entry to the conference sessions and the exhibition, full proceedings on CD, lunch and refreshments. However, fees do not include delegate travel and accommodation. All credit card orders are processed at that day's £/€/\$ exchange rate at the time the transaction goes through. Payment is required before the start of the conference. Please see note in step 3 for further details.

PLEASE NOTE: Credit card details will be necessary if your booking is made less than 10 days prior to the start of the conference, or if your invoice remains unpaid at the start of the event.

Cancellations

Cancellations will be accepted and fees will be refunded (less 20% handling charge) only if made in writing and received ten working days before the event. Bookings cannot be cancelled or fees refunded thereafter. Substitutions may be made at any time, please notify Paul Squires.

Note

IntertechPira does not accept liability for any loss of or damage to the personal effects of delegates attending the conference. IntertechPira reserves the right to cancel, defer or modify the event proceedings without prior notice.

Visas

Delegates requiring visas should request a visa invitation letter from IntertechPira at the time of registering for the event, ensuring sufficient time is left for applications to be completed. Delegates are then responsible for contacting the relevant/appropriate embassy themselves. IntertechPira can do nothing further to assist in this process.

Your event team

For further information on the conference and exhibition contact:

Booking, Exhibition and Sponsorship Enquiries: Caroline Potapa
 T: +44 (0)1372 802101
 F: +44 (0)1372 802243
 E: caroline.potapa@plastic-electronics.org

Conference Producer: Anthony Parker
 T: +44 (0)1372 802290
 E: anthony.parker@plastic-electronics.org

Marketing and Press: Anne Schofield
 T: +44 (0)1372 802042
 E: anne.schofield@plastic-electronics.org

3rd Global Plastic Electronics Conference and Showcase

Two day conference: Monday 29 – Tuesday 30 October 2007
 Sheraton Frankfurt Hotel & Towers, Conference Centre, Frankfurt, Germany

YOUR DETAILS

1

Title..... **First Name**..... **Surname**.....

Organisation..... **Position**.....

Company business.....

Address.....

.....

..... **Postcode**.....

Telephone..... **Fax**.....

Email.....

EVENT OPTIONS AND FEES

2

3rd Global Plastic Electronics Conference and Showcase*	£652 <input type="checkbox"/>	€946 <input type="checkbox"/>	\$1238 <input type="checkbox"/>
Conference and Showcase academic rate**	£326 <input type="checkbox"/>	€473 <input type="checkbox"/>	\$619 <input type="checkbox"/>
Workshop 1	£399 <input type="checkbox"/>	€579 <input type="checkbox"/>	\$758 <input type="checkbox"/>
Workshop 2	£399 <input type="checkbox"/>	€579 <input type="checkbox"/>	\$758 <input type="checkbox"/>
Workshop 3	£399 <input type="checkbox"/>	€579 <input type="checkbox"/>	\$758 <input type="checkbox"/>
Conference and Showcase + one Workshop***	£851 <input type="checkbox"/>	€1234 <input type="checkbox"/>	\$1617 <input type="checkbox"/>
Conference and Showcase + two Workshops***	£951 <input type="checkbox"/>	€1378 <input type="checkbox"/>	\$1806 <input type="checkbox"/>
Bierfest	£50 <input type="checkbox"/>	€70 <input type="checkbox"/>	\$95 <input type="checkbox"/>

I am planning to book a room at the venue hotel

I am planning to attend the Invest in Germany drinks reception

Book your place before 14 September 2007 and SAVE 10% on the above prices!

*Includes entrance to the exhibition and the two days of plenary and parallel symposia sessions
 **Applicable only for full time students and teaching staff at universities and academic establishments
 ***Please tick above which workshop(s) you would like to attend

PAYMENT METHOD

3

Purchase Order No...... **VAT No.**.....

German VAT will be charged at 19%.

Charge my credit card: Visa MasterCard American Express

Credit card details will be necessary if your booking is made less than 10 days prior to the event, or if your invoice remains unpaid at the start of the event.

Any orders under £600 (or equivalent) must be paid by credit card, otherwise please tick here for a proforma invoice.

Card No...... **Expires**.....

Security code

Cardholder name and address.....

Cheque/banker's draft (make payable to Pira) **Please invoice my company**

Invoices cannot be issued without receipt of a purchase order number at the time of booking.

Banker's information for credit transfer payments

Sterling A/C:	HSBC Bank plc, 100 King Street, Manchester M60 2HD Branch Sort Code: 40-31-24 Swift Code (BIC): MIDLGB22	Account No: 62182610 IBAN: GB88 MIDL 4031 2462 1826 10
Euro A/C:	Deutsche Bank AG London Branch Sort Code: 23-30-55 Swift Code (BIC): DEUTGB3L	Account No: 13116600 IBAN: GB35 DEUT 4050 8113 1166 00
US Dollar A/C:	Citibank NY Swift Code (BIC): CITIUS33	Account No: 30569898 ABA No: 021000089

Signature..... **Date**.....

IntertechPira German VAT No. DE 254 874 422 IntertechPira Reg. No. 3858209

HOW TO BOOK

4

Post IntertechPira, Cleeve Road Leatherhead, Surrey KT22 7RU, UK IntertechPira, 19 Northbrook Drive Portland, ME 04105, US

Fax +44 (0)1372 802243 +1 207 781 2150

Phone +44 (0)1372 802101 +1 207 781 9610

Online www.plastic-electronics.org www.plastic-electronics.org