Creating the Focal Point for the Industry

13-14 April, 2010, Dresden, Germany
The must-attend printed electronics event

More end users are setting up printed electronics teams than ever before
This is the event they attend

More world first announcements on the topic than any other event

Learn the latest activities and adoption strategies from companies representing over €300 billion of revenue

www.IDTechEx.com/Dresden
Matching the Technology to the Market Place

Printed electronics has become of vital interest to those involved in consumer goods, advertising, chemicals, printing, electronics, military, healthcare and publishing, among others. This IDTechEx event brings together these industries. The companies presenting at this event have a combined revenue of over €300 billion – there can be no doubt as to the huge opportunity for the taking.

At this event you will uniquely hear from major end users about their needs and experiences with the technology – providing that all important “reality check” and giving you the chance to see how your peers are using the technology. In addition, the full breadth of enabling technologies are covered, with many exclusive announcements covered first at this event. Hear the latest on flexible/printed displays, photovoltaics, circuits, sensors, and much more.

Why Attend?

End-User Companies
World’s biggest event. Learn what leading end-user companies want from printed electronics.

World’s Largest Tradeshows
Visit the world’s largest tradeshows on the topic – the meeting place for the industry.

New Topics
Including printing silicon, using carbon nanotubes for the world’s best transistors, flexible, stretchable and invisible electronics.

IDTechEx Research
Attendees receive IDTechEx research and a directory of companies in the industry.

Latest Technology
Hear the latest technology progress in displays, transistors, photovoltaics, sensors, materials, manufacture.

Learn and Profit
Learn how you can get involved and profit from this high growth industry.

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Event Agenda

12 April

Morning
- Masterclass 1: Introduction to Printed Electronics
- Masterclass 2: German Masterclass: Introduction to Printed Electronics
- Masterclass 3: Thin Film Photovoltaics: Principles, Technologies, Markets

Afternoon
- Company Tours
- Masterclass 4: Materials
- Masterclass 5: German Masterclass: Printed Electronics - Materials and Technologies
- Masterclass 6: Logic, memory and circuitry design for the new electronics
- IDTechEx Investment Summit
- Tradeshows opens
- Drinks reception

13-14 April

All Day
- Premium Conferences
  - Covering the full range of printed electronics and photovoltaics technologies, providing leading-edge analysis and updates on industry progress. Commercial applications and routes to market are also covered.
- Networking Drinks Reception
- Awards and Gala Dinner | 13 April
  - The dinner will take place on the terrace level of the Maritim Congress Center.

JOIN US AT PRINTED ELECTRONICS & PHOTOVOLTAICS EUROPE 2010
13 & 14 April | Dresden, Germany

"Excellent!
So many partners and customers"
Hitachi Chemical

"For Printed Electronics, there is no other event that holds a candle to this one"
Kodak

www.IDTechEx.com/Dresden
World’s Largest
Printed Electronics Tradeshow

Join 80+ exhibitors and see the latest technologies in action along with the design and manufacture of printed electronics products. You’ll find a wealth of technologies and solutions from around the world, from material suppliers to equipment manufacturers and production lines. Visit the tradeshow theatre each lunchtime to see the technology and products in action.

Tradeshow
Over 80 leading companies will be showcasing innovative technologies and commercial applications in the field of printed electronics and photovoltaics. Join the world’s biggest tradeshow on the topic and meet your customers and partners in one place.

Tradeshow Theatre
Learn more about the technology in action and see the latest solutions available for printed electronics and thin film products.

Exhibitors and Sponsors

Number of attendees*

Number of exhibitors*

*across all IDTechEx PE events

15 April

Management 7
Printing Technologies

Masterclass 8
Displays & Lighting

Masterclass 9
Creating New Products with Printed Electronics

Company Tours

Masterclass 10
RFID & its Progress Towards Being Printed

Masterclass 11
Energy Harvesting & Storage for Small Electronic Devices

(USA) +1 617 577 7890  (UK) +44 (0)1223 813 703  (GERMANY) +49 371 36777 643
Keynote Speakers

IDTechEx, UK
Dr Peter Harrop, Chairman
"Printed Electronics 2010-2020"

Procter & Gamble, USA
Dr Kenneth McGuire, Principal Scientist
"Consumer Electronics Applications"

ST Ericsson, France
Miss Stephanie Fajtl, Senior Analog Designer
"Solar Cell Integration in Mobile Applications"

Kimberly-Clark Corporation, USA
Mr Thomas M Ales III, Personal Care P&T D
"Low Cost Conductive Material and Its Applications"

US Army, USA
Mr James Zunino
"Printed Electronics in the US Army Research Labs"

Plastic Logic GmbH, Germany
Mr Konrad Herre, Vice President
"Plastic Electronic Technology – Roadmap to a Standard Manufacturing Process"

Samsung Advanced Institute of Technology, Korea
Dr Bonwon Koo, Research Staff, Display Laboratory
"The World’s First Color PDLC Driven by Printed TFT"

Sharp Laboratories of America, USA
Mr Tolis T Voutsas, Director
"The Ups and Downs of Printed Electronics: In search of Technology and Business Applications"

End Users

DARPA MTO, USA
Dr Devanand K Shenoy, Program Manager
"Printed Electronics Technology: Risk Mitigation to Enable a New Manufacturing Paradigm"

Electrolux Italy, Italy
Dr. Cristina Bertoni
"What Electrolux Needs from Printed Electronics"

Kimberly-Clark Corporation, USA
Mr Jos Geboers, CTO
"Printed Electronics for Medical Compliance Monitoring"

Cubic Transportation Systems, USA
Mr Walt Bonneau, President
"Printed Electronics for Transit Applications"

RATP (Paris Transport), France
Mr Michel Barjansky, Innovation Manager, Engineering Dept
"RFID in the Industrial Domain for a Transport Operator"

New Enabling Products

Stora Enso Packaging Boards, Sweden
Dr Juha Maijala, Manager, Intelligent Solutions
"Intelligence Printed in Packaging - Mobile Connectivity and Machine to Machine Networks"

Acero, Sweden
Dr Peter Andersson, Research Scientist
"Electrolyte-gated Transistors used in Printed Organic Electronic Applications."

Integrated Enabled Products

Palo Alto Research Center (PARC), USA
Dr Jurgen Daniel, Senior Researcher
"Printed and Flexible Electronics: Progress and Hurdles"

Soligie, USA
Mr Matthew Timm, President
"Enabling Customers to Realize New Products"

Printed RFID

Seoul National University, Korea
Prof Chang Hee Lee
"Design Rules and Technologies for Printed Rectifiers"

Sunchon National University, Korea
Prof Gyou-Jin Cho
"Roll-to-Roll Printed 13.56 MHz Operated 16-Bit RFID Tags and Smart RF Logos"

The E-reader Surge

iRex Technologies BV, Netherlands
Dr Alex Henzen, Founder & VP Process Development & Innovation
"Print or Photolithography for Displays: Different Worlds?"

E Ink Corporation, USA
Mr Sriram Peruvemba, VP of Marketing
"Path to Replacing Printed Paper"

Flexible Printed LCD Displays

Hong Kong University of Science and Technology, Hong Kong
Prof Vladimir Chigrinov
"Flexible LCD E-paper"

Kent Displays, USA
Mr Joel Domino, President
"Flexible Bistable Reflex Displays and Applications"

OLED Lighting and Displays

AU Optronics Corporation Taiwan
Lun Tsai, Manager
"Printing OLED Toward Large Area OLED Displays"

University of Hull, UK
Prof Stephen Kelly
"Photocrosslinkable OLEDs"

Energy Harvesting for Printed Electronics

IDTechEx, Inc., USA
Mr Raghu Das, CEO
"New Energy Sources for Printed Electronics: Harvesting Energy from the Environment"
The Rise of Zinc Oxide Electronics

University of Cambridge, UK
Dr Mark Mann, Research Associate
“Advances in Zinc Oxide-Based Transparent TFTs Produced at Low Temperature”

Fraunhofer ISC, Germany
Dr Bernd Szymska, Large Area Coating
“Project: Patterned Deposition of Transparent and Conductive Layers - New Pathways Towards Cost Efficient Manufacturing Techniques”

The Copper Ink Breakthrough

NovaCentrix, USA
Mr Stan Farnsworth, Vice President
“High-Speed Curing of Copper and Other High-Temp Materials on Low-Temp Substrates”

Hitachi Chemical Co Ltd, Japan
Mr Yasushi Kumashiro, Senior Researcher
“Cu Ink for Inkjet Printing - Low Temperature Sintering”

Replacing ITO

Agfa Materials, USA
Mr Frank Louwet, Business Manager
“Recent Development in ORGACON™ Formulations and Ink for Printable Electrodes”

Fraunhofer ISC, Germany
Dr Peer Loebmann, Senior Scientist
“p-TCO Thin Films by Sol-Gel Processing”

Smart Textiles

Ohmatex ApS, Denmark
Mr Christian Dalsgaard, Founder
“Embedding Micro-electronics in Textiles – Integration Issues”

National Physical Laboratory, UK
Prof Markys G Cain, Leader of Functional Materials
“An Introduction to their Properties and Measurement”

Holst Center, Netherlands
Dr Herman Schoo, Sr Research Fellow
“Integration of Printed Electronic Components Toward Wearable Sensor Devices”

Memory & Transistors

NIST, USA
Dr Nadine Gergel-Hackett, Researcher
“A Flexible Solution-Processed Memristor”

HUECK FOLIEN Ges.m.b.H., Germany
Mr Klaus Schmiddeg
“Roll-to-Roll Production of Flexible Memory Devices”

Toppan Printing Co Ltd, Japan
Mr Toru Okubo, Research Leader
“Development of Printed Organic Thin Film Transistors”

Nano ePrint Ltd, UK
Dr Richard Price, VP Product Management
“Integrating Printed Electronics into Real-World Applications”

Sensors

VTT Technical Research Centre of Finland, Finland
Mr Markku Kansakoski, Team Leader
“FlexSmell - Gas Sensors on Flexible Substrates for Wireless Applications”

Printing

Daetwyler R&D Corp, USA
Mr Udo Dittmar, President
“Gravure Advancements for Printed Electronics”

Konzuk University, Korea
Prof Chan Im, Associate Professor
“R&D Activities for Next Generation Solar Cells (DSSC & OPV) in Korea”

Technische Universität Darmstadt, Germany
Prof Dörsam
“Flexography for Functional Printing”

MatOx Limited, USA
Dr Jason King, CEO
“Toward Flexible Micropatterning of Thin-Film Electronics”

Global Trends & Developments

National Science Foundation, USA
Dr Robert J Trew, Division Director
“Printed Electronics and Photovoltaics Research Trends and the U.S. National Science Foundation”

A*Star / Nanyang Technological University, Singapore
University, Prof Beng Ong, Director in Executive Directors Office
“Enabling Printed Electronics Through Materials”

Printed Silicon

NanoGram Corp, USA
Dr Shiv Chiruvolu, CTO
“Silicon Nanoparticles Inks for TFTs and PV applications”

University of Cape Town, South Africa
Prof David Britton, Associate Professor
“Printed Silicon in Electronics”

CNT & Graphene

Fujitsu Laboratories Ltd, France
Dr Daiyu Kondo, Researcher
“Synthesis of Graphene and Carbon Nanotube for Future Carbon Electronics”

Canatu, Finland
Dr David P Brown, CEO
“Low Cost, High Performance Carbon Nanomaterials Films for Energy, Electronics and Beyond”

Thin Flexible Batteries

University of Science Uppsala, Sweden
Dr Albert Mihryan, Researcher
“Salt and Paper Battery”

Electrochromic & Electrowetting Displays

Siemens AG, Germany
Dr Gotthard Rieger, Project Manager
“Printed Displays and Organic Electronic Devices”

ADT, Germany
Dr Juergen Rawert, Business Development
“D3 - Droplet Driven Displays”

Liquavista, UK
Mr Chris Nice, Project Manager

Memory & Transistors

NIST, USA
Dr Nadine Gergel-Hackett, Researcher
“A Flexible Solution-Processed Memristor”

HUECK FOLIEN Ges.m.b.H., Germany
Mr Klaus Schmiddeg
“Roll-to-Roll Production of Flexible Memory Devices”

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Mr Udo Dittmar, President
“Gravure Advancements for Printed Electronics”

Konzuk University, Korea
Prof Chan Im, Associate Professor
“R&D Activities for Next Generation Solar Cells (DSSC & OPV) in Korea”

Technische Universität Darmstadt, Germany
Prof Dörsam
“Flexography for Functional Printing”

MatOx Limited, USA
Dr Jason King, CEO
“Toward Flexible Micropatterning of Thin-Film Electronics”
Photovoltaics

IDTechEx, UK
Dr Harry Zervos, Technology Analyst
“Solar Energy Harvesting”

Neuber’s, USA
Mr Jürgen Neuber, Managing Director of Business Development
“Neuber’s Solar Energy Sun Bag M2”

Bagjack, Germany
Mr Peter Brunsberg
“Bagjack Solar Bags”

Inorganic Technologies

EMPA, Switzerland
Prof Ayodhya N Tiwari, Laboratory for Thin Films and Photovoltaics
“High Efficiency Flexible Solar Cells Based on CIGS and CdTe Thin Films”

Solarion AG, Germany
Dr Karsten Otte, CEO
“Aspects of Roll-to-Roll Manufacturing of CIGS Solar Cells on Plastic Substrate”

Q-mo solar AG, Germany
Dr Oliver Lang, CTO
“Novel High-efficiency Solar Modules for Smart Products in Future Markets”

Sandia National Laboratories, USA
Dr Murat Okandan
“Glitter Sized Photovoltaics”

Organic and DSSC Photovoltaics

Korea Institute of Materials Science, Korea
Dr Dong-Soo Park, Principal Researcher
“Roll-to-roll Printing Process and Equipments for Printed Electronics Mechanical System (PEMS)”

Institute of Materials Research and Engineering (IMRE), Singapore
Dr Zhikuan Chen, R&D Manager
“Organic PV Research at the IMRE”

CSIRO, Australia
Dr Scott Watkins, Research Scientist
“Organic Photovoltaics: Small Molecules and Non-Conjugated in Polymers in Printed Solar Cells”

Dyesol, Australia
Dr Keith Brooks
“Industrialization of Dye Solar Cells”

Testing & Inspection

Atlas MTB GMBH, Germany
Mr Andreas Riedl

Organic and DSSC Photovoltaics

Barrier Materials

DELO Industrial Adhesives, Germany
Dr Daniel Lenssen, Business Development Manager
“Seal It Tight - Adhesives for E-Readers and OPV”

Huntsman Advanced Materials, Switzerland,
Dr Bernhard Sailer, Global Marketing Manager New Technologies
“Thin-Film Encapsulation of OLED Lighting Devices”

3M Display & Graphics Business Lab, USA
Dr Fred McCormick, Senior Research Specialist
“Development of High Barrier Films for Flexible PV and OLED Applications”

TU Dresden, Germany
Dr Moritz Riedl, Head of the Organic Solar Cell Group
“Organic Tandem Solar Cells”

Universitat Jaume I, Spain
Prof Juan Bisquert, Applied Physics
“Optimizing the Performance of Sensitized Solar Cells”

“Great conference”
Procter & Gamble

“Great conference”
University of Cambridge

“What an excellent conference! In the near future it will be one of the biggest in the world”
Samsung Electronics

“What an excellent conference for people from the academic sector to attend because it gives them great exposure to the needs of industry”
University of Cambridge

www.IDTechEx.com/Dresden
RECOGNISING INNOVATION – SUCCESS – DEVELOPMENT

Now in their fourth year the IDTechEx Printed Electronics Awards recognise company innovation, success and development, bringing together companies from around the world.

The judging panel is made up of independent experts. If you would like your company to be recognised for outstanding achievements in the categories below simply follow the entry instructions. Any company operating within the printed or partially printed, organic or thin film electronics market is welcome to apply.

The Awards Include:

- Technical Development Materials
- Technical Development Manufacturing
- Product Development
- Best Commercialization

GALA AWARDS DINNER

The Gala Awards Dinner is being held at the Terrace Level of the Maritim Congress Center on 13 April. The Awards Dinner is your time to talk to the people who matter to you. It is where we also present the prestigious IDTechEx Printed Electronics Awards.

“We are truly honoured to win the 2009 Printed Electronics Award for Manufacturing. There is no better validation for your efforts than recognition by your industry and peers”

Joel Domino, President of Kent Displays
Winner of the Technical Development Manufacturing Award

Printed Electronics - Customer Sourcebook & Routes to Profit

Case studies, opportunities in the value chain, and progress at over 1,000 organisations

By Dr Peter Harrop and Raghu Das

Worth: €2245

COMPLIMENTARY Electronic Report for all conference attendees

“Features over 1,000 printed electronics organisations”
High-Quality Printed Electronics
Investment Opportunities and Perspectives

This half-day summit brings venture capitalists and other investors together with leading pure-play printed electronics companies that are gaining traction and substantial revenues today, as well as hidden gems with enormous potential. Attendees will also have access to industry thought-leaders, valuable quantitative and qualitative research, and one-on-one meetings with company executives.

Suitable funding is required to drive development of printed electronics into viable commercial solutions. With massive opportunities there will be many successes.

This summit, now in its fourth year, aims to help develop the industry by linking investors with leading companies.

AGENDA

Analysts & Experts Panel:
The panel will discuss questions such as: What is the size of the market now and projected? What are the key technical and commercial barriers? What is happening territorially? What are the business model options that can lead to success? Discuss the IP landscape - is this going to hold the industry back?

Venture Capitalists Panel:
Venture Capitalists and Investors will discuss their investments, what they seek in companies, valuing a company, routes to fund raising and expected returns.

Printed Electronics Companies:
Executives from leading companies, selected by the hosts, will briefly present their company and technology, followed by discussion with the audience. Companies will be split into the following categories: those developing materials, production/manufacturing, and devices.

Masterclass 1:
Introduction to Printed Electronics
12 April | morning
Designed for those who are new to this disruptive technology or need to understand the big picture to assess the challenges and opportunities. This Masterclass will arm you with the latest knowledge of the applications and technology developments involving printed electronics. Learn:
- Applications of printed electronics - now and near future
- The need for printed electronics
- Assessment of technologies, companies, strategies and progress so far, including thin film transistor circuits, displays and sensors, power and conductive inks
- Challenges and device roadmap
- Ten year forecasts

Masterclass 2:
Introduction to Printed Electronics
12 April | morning
This Masterclass will be held in German and is designed for German managers, decisions makers, and responsible technical staff, who want to learn more about the potential benefits of the new electronics and photovoltaics beyond conventional silicon. It is business-oriented and should lead to better understanding of the opportunities and challenges of this exciting new technology, with examples of products already on the market and visions of what to expect in the near and long-term future.

Masterclass 3:
Thin Film Photovoltaics: Principles, Technologies, Markets
12 April | morning
This Masterclass is designed to give an overall picture of photovoltaic technologies, from basic principles all the way to current advances and will cover:
- Basic principles and operation: Heterojunctions
- Exploring specific technologies: Organic and hybrid organic/inorganic photovoltaics, dye-sensitised solar cells, thin film technologies [e.g. amorphous silicon, CdTe, CIGS], III-V/II-VI multijunctions
- Advances / cutting edge applications
- Market analysis and ten year forecasts

Masterclass 4:
Materials
12 April | afternoon
This technical Masterclass looks at the full range of the different solution-based materials that printed electronics can utilize, including organic semiconductors, inorganic semiconductors, metallic conductors, nanoparticles, nanotubes and more. We compare each of the available chemistries, performance, cost, printability, lifetime and multiple other parameters, along with exploring:
- The impact of print techniques and substrates from the materials perspective
- Who are the major suppliers of materials by type?
- What are the biggest material challenges?
- What are the latest emerging materials capable of achieving?
**Masterclass 5: Printed Electronics - Materials and Technologies**

This Masterclass is held in German and is meant for beginners in the field of printed electronics and people who would like to get a broad overview of printed electronics. This class comprises:

- Applications in printed electronics – now and in the near future
- The value chain
- Evaluation of technologies, companies, strategies and progress that has been made
- Conducting inks and pastes, sensors, batteries

**Masterclass 6: Logic, Memory & Circuitry Design for the New Electronics**

Over 500 organizations are developing printed or flexible transistors. Many are also working on printed/flexible memory. Many passive components are available including resistors, capacitors and memristors. However, all these things have yet to come together in terms of complete circuits or devices. This Masterclass addresses the latest progress with these devices and assesses what is now possible and what is to come. It looks at design logic - what components are required for circuits such as the components in an RFID integrated circuit, a timer and other simple functional items. The new electronics also need new design rules and it is not a case of making the same silicon devices in printed format. The elements of the new electronics have new limitations, not just new capabilities. What are the new design rules? This masterclass, lead by experts involved in making and designing circuits, and those involved in making printed transistors, brings it all together for you.

**Masterclass 7: Printing Technologies**

A variety of printing technologies are used for the various layers in a given device in order to optimize performance and cost. This Masterclass will explore all the printing technologies including:

- Digital and analogue printing technologies (i.e. inkjet, gravure, flexo, rotary screen etc)
- How spin coating, vacuum deposition and other non-printing technologies are incorporated into printing processes
- Advantages and disadvantages of these methods, suppliers, most popular techniques and why
- Printing requirements for printed electronics devices

**Masterclass 8: Displays & Lighting**

Displays will be one of the largest market segments in printed/organic electronics and this Masterclass will examine the following technologies:

- OLEDs
- Electroluminescent Displays
- Electrophoretic Displays
- Electrochromic Displays
- Laminar and flexible lighting which will replace conventional lighting within 10 years
- Flexible barriers
- Display technologies versus existing displays

**Masterclass 9: Creating New Products with Printed Electronics**

This Masterclass covers:

- Looking beyond replacing conventional electronics (i.e. competing with LCD displays) to new inventions such as smart skin patches using printed batteries, e-book readers – creating a new market, audio paper and much more.
- Key vertical industries and how they could benefit from the technology, the strategy your company should adopt to go to market and assessment of timelines to market.
- You will learn from companies that have successfully created new markets with simple printed electronics and how they have done it. In particular, hear from early adopters.

**Masterclass 10: RFID & Its Progress Towards Being Printed**

RFID is rapidly taking off for a wide range of applications, with 2.16 billion tags shipped in 2008 rising to over 700 billion tags in 2019. Printed RFID includes printed transistors, sensors, batteries, microwave reflecting data carriers and antennas where needed. This Masterclass examines:

- The current state of the RFID industry including trends, standards, applications, market size, unmet needs from existing RFID
- What are the enabling technologies, progress of the leaders, market sizes and timelines?
- Which are the most suitable applications for printed RFID?
- What developments are required for RFID to reach the dream of item-level tagging ten trillion items every year and Ubiquitous Sensor Networks (USN)?

**Masterclass 11: Energy Harvesting & Storage for Small Electronic Devices**

Energy harvesting is the use of technologies to generate electricity from the environment, which can be used to power electronics and electrics. These technologies include movement (electrostatic, piezoelectric and electromagnetic movement), light, thermal and electro-magnetic transmission. This Masterclass covers all the technologies involved, how they work, and appraisal of their strengths and weaknesses. We explore:

- Leading developers, market needs and 10 year forecasts
- New battery developments including super capacitors and super-cabatteries

FOR MORE INFO
visit www.IDTechEx.com/Dresden
Printed Electronics Europe 2010 will take advantage of being located in Dresden – a centre of excellence for organic and printed electronics - by hosting tours to some of the leading companies working on the technology in this region.

These tours will run over the lunchtime period between the morning and afternoon Masterclasses.

TU Dresden/Heliatek
The “Institut für Angewandte Photophysik”, IAPP, is one of the world-wide leading institutes in the field of organic opto-electronics. From basic research to electronic devices like organic light emitting diodes (OLEDs) and organic solar cells (OSOLs). It covers a wide range of research focusing on organic semiconductors based on small molecules. Heliatek GmbH was founded in 2006 as a spin-off from IAPP (University Dresden) and Ulm University. The company relies on more than 15 years experience of their founders in the development and characterisation of organic materials and organic devices. The tour will involve a short presentation of the current research activities and visit to laboratories. You will see where solar cells are being made under high vacuum in a cluster tool.

Fraunhofer IMPS / COMEDD
The Fraunhofer Institute for Photonic Microsystems (Fraunhofer IPMS) works on electronic, mechanical and optical components and their integration into smallest, “smart” devices and systems. The Center for Organic Materials and Electronic Devices Dresden (COMEDD) started operations at the Fraunhofer IPMS on October 10, 2008, assigning unique equipment for the fabrication of OLED lighting modules and organic solar cells to Sunic System Ltd., South Korea, and AIXTRON AG. COMEDD stands for combined know-how and infrastructure under the aegis of the Fraunhofer IPMS.

Novaled AG
Novaled AG is a world leading company in the OLED (organic light-emitting diode) field specialised in high efficiency long lifetime OLED structures and an expert in synthetic and analytical chemistry. The company offers complete solutions to the organic electronic markets, commercializing its Novaled PIN OLED® technology along with its proprietary OLED materials.
## Payment Method

- **International Money Order or cheque payable to IDTechEx**
- **Direct bank transfer available**
  
  Please contact m.bateman@IDTechEx.com for more information

### Card Details

- **Card number** ___________________________ **Expiry date** ______ / ______
- **Card holder name** ________________________
- **Address of card holder** ____________________

### Additional Details

- **Post/Zip code** ___________________________ **Country** __________
- **Tel:** ___________________________ **Fax:** ___________________________
- **E-mail** _____________________________

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**Platinum Package**
- Conferences
- Tradeshows
- Conferences & Trade Show
- Conferences, Trade Show & Investment Summit

**Gold Package**
- Conferences
- Tradeshows
- Conferences, Trade Show & Investment Summit

**Silver Package**
- Conferences
- Tradeshows
- Conferences & Trade Show

**Bronze Package**
- Conferences
- Trade Show

**Optional Sessions**

- **Conference & Tradeshow**
- **Audio Recordings** for attendees only
- **Investment Summit**
- **Gala Awards Dinner**
- **Masterclass 1:** Introduction to Printed Electronics
- **Masterclass 2:** German: Introduction to Printed Electronics
- **Masterclass 3:** Thin Film Photovoltaics: Principles/Technologies/Market
- **Masterclass 4:** Materials
- **Masterclass 5:** German: Printed Electronics - Materials and Technologies
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- **Masterclass 7:** Printing Technologies
- **Masterclass 8:** Displays & Lighting
- **Masterclass 9:** Creating New Products with Printed Electronics
- **Masterclass 10:** RFID & its Progress Towards being Printed
- **Masterclass 11:** Energy Harvesting & Storage for Small Electronic Devices

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**Money Saving Packages**

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<th>Package</th>
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<tr>
<td>Gold Package</td>
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<td>Masterclass 8: Displays &amp; Lighting</td>
<td>€599</td>
</tr>
<tr>
<td>Masterclass 9: Creating New Products with Printed Electronics</td>
<td>€599</td>
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<tr>
<td>Masterclass 10: RFID &amp; its Progress Towards being Printed</td>
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</tr>
<tr>
<td>Masterclass 11: Energy Harvesting &amp; Storage for Small Electronic Devices</td>
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</tr>
<tr>
<td>Conference Proceedings</td>
<td>€835</td>
</tr>
</tbody>
</table>

**Total:**

**VAT at 19% will be added to all prices**

Please note: Copies of conference audio proceedings and online presentations are provided subject to speakers’ permission.

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**To Register**

Complete the form and post it to:
IDTechEx Ltd
Downing Park, Station Road
Swaffham Bulbeck
Cambridge CB25 0NW
United Kingdom

Alternatively, you can register online at: www.IDTechEx.com/Dresden

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Hotel and travel costs are not included in the price. Substitutions may be allowed at any time but please let us know. Cancellations must be made in writing 28 days before the event, upon which a 15% cancellation fee is payable. If a cancellation is made less than 28 days before the start of the event, no refund will be given. IDTechEx reserves the right to alter the location or content of the event at any time. IDTechEx retains the right of refusal. Only one promotional code may be used per purchase.

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