



Printed
Electronics
EUROPE 2012



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PHOTOVOLTAICS
EUROPE 2012

IDTechEx



PRINTED ELECTRONICS APPLICATIONS.

3 - 4 APRIL 2012 / BERLIN, GERMANY.

Meet and
do business
at the **world's largest**
gathering of adopters and
purchasers of **printed**
electronics

WORLD'S LEADING USERS PRESENTING:

Abbott MARS METRO GROUP

P&G Schneider Electric NOKIA

Fulton PHILIPS oxplone

Panasonic Ideas for life SAMSUNG United Technologies Research Center

and many more

www.PrintedElectronicsEurope.com



Printed Electronics
EUROPE 2012



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PHOTOVOLTAICS
EUROPE 2012

IDTechEx



PART OF A
WORLD SERIES
OF EVENTS

WORLD'S LARGEST GATHERING OF END USERS

COVERING END USER NEEDS, TECHNICAL PROGRESS
AND NEW PRODUCTS USING FLEXIBLE AND PRINTED ELECTRONICS.

Here Comes the User Pull!

Welcome to the IDTechEx Printed Electronics Europe 2012 event. As always, we focus the event on the commercialisation of printed electronics. To that end, we have some of the world's largest user companies presenting on their needs and experience with printed electronics, and many are in attendance to learn how they can use printed electronics in their products.

Printed Electronics is one of the fastest growing technologies in the world. It is of vital interest to industries as diverse as consumer goods, healthcare, aerospace, electronics, media and transit. It is allowing electronics to be used in places it has never been before and it is improving existing electronics and electrics. This event, attended by more buyers than any other, is your information and networking hub on the topic. The international tradeshow, with more than 100 exhibitors, covers all the technologies throughout the entire supply chain across all major component types.

What to expect

All conference attendees will receive working samples of printed electronics to keep. On the tradeshow floor, "Demonstration Street" features the world's largest collection of working printed electronics products in one place. The end user printed electronics forum allows you to question a panel of end-users on their needs and experiences.

More than a conference and tradeshow

In addition, IDTechEx analysts, who have been studying the printed electronics market for ten years, would be delighted to have 1 to 1 meetings with you to help you understand the topic and your opportunities. Be part of the world's leading event on the topic to understand the applications and emerging technologies, and meet customers, partners and suppliers to do business.

I look forward to meeting you
in Berlin on April 3-4.



Raghu Das, CEO
IDTechEx, Inc.



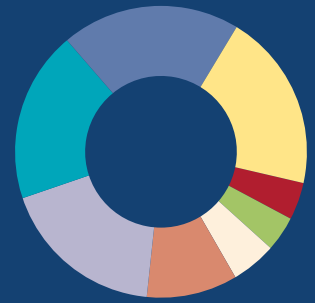
Event Timetable

Monday 2 April			Tuesday 3 April & Wednesday 4 April
morning	lunch break	afternoon	all day
MASTERCLASS 1 Introduction to Printed Electronics MASTERCLASS 2 Thin Film Photovoltaics: Principles, Technologies, Markets MASTERCLASS 3 Printing Technologies	COMPANY VISITS	MASTERCLASS 4 Materials MASTERCLASS 5 Printed Electronics – Materials & Technologies – held in German INVESTMENT SUMMIT	PREMIUM CONFERENCE TRACKS Covering the full range of printed, flexible electronics and photovoltaic technologies. NETWORKING PRE-DINNER DRINKS/ AWARDS DINNER (3 APRIL) The drinks reception takes place in the tradeshow hall and the dinner at The Festival Centre adjoining the Convention Centre.

JOIN THE PRINTED ELECTRONICS REVOLUTION

ATTENDEE PROFILE

Delivering more end user attendees than any other event, Printed Electronics and Photovoltaics Europe 2012 is dedicated to organic, inorganic and thin film technologies. The top industry players will be in attendance. With over 80 presentations, tradeshow hall, masterclasses, tours, awards and gala networking dinner, you'll find a wealth of technologies and solutions from around the world in Berlin this April.



HERE COMES THE USER PULL



DEMONSTRATIONST

Fully functioning printed electronics demonstrators will be showcased during the tradeshow. See what products are already possible using the new electronics, including: flexible displays, OLEDs, e-readers, audio paper, interactive games, smart phone apps, printed RFID and smart textiles

2012 TRADESHOW INCLUDES:

- **Advanced Materials**
- **Production Methods**
- **Manufacturing Systems**
- **Test and Measuring Equipment**
- **Integration**
- **Novel Devices**
- **End User Applications and Products**

FREE SAMPLES

Free working Printed Electronics Samples for all conference attendees!

Thursday 5 April

morning	lunch break	afternoon
<p>MASTERCLASS 6 Displays & Lighting</p> <p>MASTERCLASS 7 Creating New Products with Printed Electronics</p> <p>MASTERCLASS 8 Flexible Substrates, Transparent Conductors and Barriers for Flexible Electronics</p>	<p>COMPANY VISITS</p>	<p>MASTERCLASS 9 RFID & its Progress towards Being Printed</p> <p>MASTERCLASS 10 Energy Harvesting & Storage for Small Electronic Devices</p>

+ 44 1223 813703

+49 351 65 888 313

+1 617 577 7890

2012 TRADESHOW HIGHLIGHTING:

- Advanced Materials
- Production Methods
- Manufacturing Systems
- Test and Measuring Equipment
- Integration
- Novel Devices
- End User Applications and Products

Past attendees have said:

Excellent! So many partners and customers"
— Hitachi Chemical

"Great Conference"
— Procter & Gamble



Premium exhibitors:

Exhibitors:



Sponsors:



INTERESTED IN BECOMING AN EXHIBITOR?
VISIT www.PrintedElectronicsEurope.com

🇬🇧 + 44 1223 813703 🇩🇪 +49 351 65 888 313 🇺🇸 +1 617 577 7890

FREE FOR ALL ATTENDEES

Tradeshow Theatre
Every Lunch Recess

Enjoy your lunch whilst hearing the latest talks and demos from suppliers on new materials, manufacturing techniques and equipment to help get your business started.



The combined revenue of the companies presenting
is over €700 billion

AGENDA

3-4 April 2012

For the full agenda list see www.PrintedElectronicsEurope.com

CONSUMER PACKAGED GOODS (CPG)



Braun GmbH, Germany

Dr Uwe Katzer / Head of Analog Electronics & Platform Modules
 "Electronics meets Pampers & Co."

Pampers and Braun are part of P&G, the worlds largest consumer packaged goods company with sales of \$82 Billion

Mars Snackfood, Netherlands

Mr Gerbert Goes / Packaging Innovation Project Manager
 "Printed Electronics; a Great Enabler for Communicating the Brand Story"

Mars is a \$30 Billion confectionary company

Metro Stores, Germany

Mr Frank Rehme
 "Innovations as an Answer to the Changes in Our Society - a Viewpoint from Germany's Largest Retailer"

€67 Billion consumer goods retailer - Germany's largest

Americhip, Inc., USA

Satyajit Deb / Chief Technology Officer
 "Print Media and Promotions: Opportunities and Challenges of Integrating Printed Electronics"

CONSUMER ELECTRONICS



Fulton Innovation, USA

Dr A.E. Umenei / Senior Engineer
 "Printing Wireless Power"

Schneider Electric, France

Dr Amalia Garnier / Ingénieur de recherche
 "Printed Electronic Uses in a €20 Billion Electrical Company"
€20 Billion electrical and electronics provider

Nokia, UK

Dr Darryl Cotton / Researcher
 "Reinventing Mobile Platforms with Printed Electronics"
Nokia is a €42 Billion mobile phone and services company

HEALTHCARE



Abbott Diagnostics, Germany

Dr Sophie Laurenson / Project Lead
 "Printed Electronics for the Diagnostics Industry"
Abbott has over 90,000 employees worldwide and \$35 Billion revenue

Information Mediary Corporation, Canada

Mr Michael Petersen / Chief Operating Officer
 "Printed Electronics for Ultra-low Powered Smart Packaging"

ARCHITECTURE AND THE BUILT ENVIRONMENT



United Technologies Research Center, USA

Mr Nicholas Soldner / Staff Research Engineer
 "Printed Electronics Applications in the \$52 Billion United Technologies Corporation"
\$52 Billion aerospace and building infrastructure company

Thorn Lighting Limited, UK

Dr Geoff Williams / OLED Group Leader
 "Project TOPDRAWER: Taking Polymer LEDs Through to Complete Systems"
Thorn is a global supplier of both outdoor and indoor luminaires and integrated controls since 1928.

TEXTILES

DECATHLON, France

Mr Antoine Ravise / R&D Engineer
 "Opportunities of Printed Electronics for Sport Products"
Oxylane is a French sports equipment company

TITV Greiz, Germany

Dr Wolfgang Scheibner / Project Manager
 "Textile-Integrated Sensor Systems for Car's Interior"

OLED VERSUS LED LIGHTING

Panasonic, Japan

Prof Takuya Komoda / Research Director
 "OLED Lighting"
€83 Billion consumer electronics company

Nth Degree, USA

Dr William J Ray / Chief Scientist
 "Game Changer: Printing LEDs"

Bardsley Consulting, USA

Dr Norman Bardsley / Consultant on Displays and Organic Electronics
 "OLEDs vs Diffuse LEDs - Performance and Cost Comparisons"

AGENDA

3-4 April 2012

For the full agenda list see www.PrintedElectronicsEurope.com

OLED DISPLAYS

Konicaminolta, Japan

Mr Toshihiko Iwasaki / Other Manager

"OLEDs at Konica Minolta"

Konica Minolta is a world leader in optics and imaging

Samsung Electronics, Korea

Dr Bonwon Koo / Principal Engineer, Display Laboratory

"Printed Electronics Progress at the World's Largest Consumer Electronics Group"

Samsung is the world's largest IT company, with \$220 Billion sales

IDTechEx, USA

Dr David Fyfe / Director

"OLED Progress: Fact & Hype"

THE FUTURE OF TRANSPARENT CONDUCTORS

Indium Corporation, USA

Mr Robert Ploessl / Manager, Marketing & Technology Assessment

"The Future of ITO"

Nano and Advanced Materials Institute Limited (NAMIL), Hong Kong

Dr Ellie Fu / Technical Manager

"Printable Transparent Conductive Films based on Silver Nanowire"

THE ENERGY STORAGE GOLD RUSH

Enfucell, Finland

Mr Risto Huvila / COO Global Customer Operations

"Where are the Printed Batteries - and their Applications?"

IDTechEx, UK

Mr Raghu Das / CEO

"Batteries, Capacitors and Super Capacitors: The Opportunity for Printed Electronics"

Blue Spark Technologies, USA

Mr Matthew Ream / VP Marketing

"Printed Batteries and their Applications"

Infinite Power Solutions, United States

Mr Joe Keating / Applications Engineering Manager

"Solid-State, Thin & Rechargeable Batteries"

ENERGY HARVESTING

Ferroperm Piezoceramics A/S, MEGGITT, Denmark

Dr Tomasz Zawada / Engineering and Research Manager

"Printed Piezoelectrics - Technology and Applications"

PHOTOVOLTAICS

Nanosolar, Germany

Christian Pho Duc / Vice President Sales Europe

"Printing Solar Power"

Dyesol, USA

Mr Marc Thomas / CEO

"Third Generation Solar Technology: Transforming Buildings into Power Plants with DSC"

University of Nantes, France

Dr Jean Christian Bernède

"Gold Nanodots and Organic Solar Cell Efficiency"

Heliatek GmbH, Germany

Dr Martin Pfeiffer / Chief Technology Officer

"Efficient and Stable Organic Vacuum-Deposited Solar Cells and Modules"

Solarmer, United States

Dr Vishal Shrotriya / VP, Strategic Business Development

"Reducing the Cost of Flexible Organic Solar Cells"

National Renewable Energy Laboratory, USA

Dr Maikel van Hest / Sr Scientist

"Transparent Conductive Oxides and use of Atmospheric Processing for Photovoltaics"

Applied Materials, Italy

Giorgio Cellere / Research & Development Manager

"State-of-the-Art Metallization of c-Si Solar Cells"

Lang Consulting Engineering, Germany

Dr Oliver Lang / CTO

"Solar Cells in Textile Products"

Solteecture, Germany

Dr Alexander Meeder / Head of Process Integration Department

"Progress in CIS-based Thin-Film Solar Module Development"

FLEX & STRETCH - FLEXIBLE AND STRETCHABLE ELECTRONICS

University of Heidelberg, Germany

Prof Norbert Gretz / Head of the Medical Research Center

"Use of Stretchable Systems for Renal Function Monitoring"

Fraunhofer IZM, Germany

Dr Thomas Loehner

"Printed Circuit Board Concepts for Realization of Stretchable Systems"

Johannes-Kepler University of Linz, Austria

Siegfried Bauer / Head SoMap-Team

"Stretchable Solar Cells and Rechargeable and Stretchable Batteries"

Ghent University, Belgium

Dr Frederick Bossuyt / Post Doctoral Researcher

"Stretchable Systems Fabrication Using Moulding Technologies"

LOGIC AND MEMORY

Thin Film Electronics, USA

Mrs Jennifer Ernst / Business Development, North America

"From Stand-Alone Memory to Printed Systems"

Sunchon National University, Korea

Prof Gyoujin Cho / Professor

"Full Gravure System for Printing 13.56 MHz Operated 96 Bit RFID and NFC Tags"

University of Cambridge, Dept of Engineering, UK

Dr Andrew Flewitt

"Cubic-like Amorphous Hafnium Oxide: An Ultra-High-k Dielectric for Plastic Electronics"

ST Microelectronics, Italy

Dr Luigi Occhipinti / R&D - Program Director

"Opportunities in the Field of Flexible and Disposable Electronics Applications"

STMicroelectronics is a \$10 Billion semiconductor company

CONDUCTORS

TNO, Netherlands

Mr Peter Giesen / Research Assistant

"Technologies for Embedded Conductive

New

New to the Technology?
Visit the End User Forum.

This part of the conference sessions will be an opportunity for an open discussion between panellists representing companies that are potential adopters of printed electronics and attendees who will have the chance to address questions regarding their experiences with these technologies, investigate requirements and discuss possibilities for collaboration.



Carnegie Mellon University, USA

Prof Richard D McCullough / Dean of the Mellon College of Science

"Game Changer: Non Particle Based Liquid Metals"

Osaka University, Japan

Prof Masaya Nogi & Prof Katsuaki Suganuma / Industrial Science Laboratory

"Low Temperature Wiring with Printable Silver Nanomaterials"

JNC Corporation, Japan

Shinta Morokoshi / General Staff

"JNC Materials for Printed Electronics"

Intrinsiq Materials, UK

Dr Richard Dixon / Chief Operating Officer

"Developments in the Sintering of Inkjet and Screen Print Nanoparticle Copper Inks using Broad Band Flash and Laser Techniques"

GLOBAL MARKET ANALYSIS

IDTechEx, UK

Dr Peter Harrop / Chairman

"Printed Electronics 2012-2022: The Reality, Opportunity and Winners So Far"

PAPER ELECTRONICS

Faculdade de Ciencias e Tecnologia, Portugal

Professor Elvira Maria Fortunato

"Paper as a Substrate and Functional Component in Logic"

TOUCH SENSORS AND SCREENS

Synaptics Inc, USA

Mr Bob Mackey / Sr. Scientist

"Novel Materials and Trends in Capacitive Touch Sensing"

Peratech Ltd, UK

Mr David Lussey / CTO

"Quantum Tunnelling Composites (QTCs) in Printable Electronics"

Pixcir Microelectronics, China

Mr Vincent Fuentes

"Capacitive Touch Technology"

SYSTEM INTEGRATION

PragmatIC Printing, UK

Mr Scott White / CEO

"Imprinted Logic: Enabling Commercial Printed Electronics Products"

Printechnologies, Germany

Mr Sascha Voigt / Managing Director

"Commercialisation Strategies and Success"

Direfarestampare, Italy

Dr Andrea Berzolla / Ing

"Printed Electronics: Speaking and Understanding the User's Language"

PARC, a Xerox company, USA

Dr Janos Veres / Area Manager

"Merging Technologies into Commercial Opportunities"

Soligie, USA

Dr David G Sime / Director of Technology Transfer

"Decisions and Drivers for Efficient Development of Printed Electronics Applications"

BISTABLE DISPLAY TECHNOLOGY

Kent Displays, USA

Mr Joel Domino / President

"Flexible Bistable Reflex Displays and Applications"

Philips Research, Netherlands

Dr Kars-Michiel H Lenssen / Director / Principal Scientist

"Zero-energy e-Skin for Autonomous Devices"

Plastic Logic, Germany

Dr Octavio Trovarelli / Lead Process Integrator

"Challenges and Learning Associated with the Development of the High-Volume Large-Area Production of OTFT-Based Flexible and Rugged Displays"

Polymer Vision, Netherlands

Dr Edzer Huitema / CTO

"Delivering the Next Display Wave: Flexible, Foldable and Unbreakable Displays"

E-Ink, USA

Mr Sriram Peruvemba / CMO

"My eReader Ate the Library"

PRINTED ELECTRONICS MANUFACTURING

Aixtron SE, Germany

Mr Juergen Kreis / Senior Department Manager

"Carrier-gas Enhanced Vapor Phase Deposition: a Disruptive Approach for Advanced Functional Organic Layers"

Ohio Gravure Technologies Inc, USA

Mr Udo Dittmar / President

"Layer to Layer Micro Gravure Applications for Printed Electronics and More"

Integration Technology, UK

Mr Adrian Lockwood / MD

"Novel Methods for UV Curing in Electronic Assembly and Printed Electronics Applications"

KROENERT GmbH & Co KG, Germany

Mr Frank Schaefer / Sales Director New Products

"Pushing the Limits in R2R Productions of Printed Electronics"

3D PRINTING

Georgia Institute of Technology, USA

Dr Canek Fuentes-Hernandez / Research Scientist II, Kippelen Research Group

"Printable Thin-Film Transistors with High Stability for 3D Device Architectures"

ACTUATORS

Solvay Specialty Polymers, France

Mrs Corinne Duffie / Brand Manager / Product Manager

"Solvane™ Electro Active Polymers for Printed Electronics."

Bayer, Germany

Dr Julia Hitzbleck / Program Manager Functional Films R&D

"ViviTouch: Electro-Active Polymers Make Printed Electronics Move"

SENSOR TECHNOLOGY

ISORG, France

Mr Laurent Jamet / ISORG Co-Founder, Director Business Development

"Organic Photo-Detectors, a Ready-to-Fly Technology for Advertising, Promotion and Multimedia Industries"

CARBON NANOTUBES AND GRAPHENE

University of Cambridge, UK

Dr Andrea Ferrari / CAPE

"Printed Graphene Electronics"

Canatu, Finland

Dr David P Brown / CTO / VP Business Development

"Carbon Nanomaterial Films for Thermoformable Electronics"

INVESTMENT & PARTNERSHIP SUMMIT

2 April 2012

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 fifth year, aims to help develop the industry by linking investors with leading companies.



MASTERCLASSES

2 & 5 April

The ten optional expert-led masterclasses are interactive consultancy sessions. At each masterclass you will have the chance to handle many samples, and take away printed copies of presentations. They will ensure you get the most from the conference and leave with answers to your questions.

MASTERCLASS 1

Introduction to Printed Electronics

Designed for those who are new to this disruptive technology or need to understand the big picture to assess the challenges and opportunities, this relatively non technical Masterclass will arm you with the latest knowledge of the applications and technology developments involving printed electronics.

MASTERCLASS 2

Thin Film Photovoltaics: Principles, Technologies and Markets

This masterclass is designed to give an overall picture of photovoltaic technologies, from basic principles all the way to current advances. The masterclass will cover photovoltaics the basic principles and operation. Advances and cutting edge applications for the technology as well as market analysis.

MASTERCLASS 3

Printing Technologies

No one printing technology is optimal for a given device. Indeed it is even common to combine printing of certain layers with spin coating, vacuum deposition and other non-printing technologies for other layers incorporating organic and inorganic substances. The class will cover: Screen printing, the place for ink jet printing and the various reel to reel printing technologies and future developments.

MASTERCLASS 4

Materials

The new electronics world of printed electronics can utilize any solution-based material including organic semiconductors, inorganic semiconductors, metallic conductors, nanoparticles, nanotubes and more. This technical masterclass looks at the full range of these different materials, comparing for each one the available chemistries, performance, cost, printability, lifetime and multiple other parameters. The impact of using different print techniques (inkjet, gravure, etc) and substrates (paper, plastic, glass, etc) are also considered from the materials perspective. By attending this masterclass you will understand the full range of materials, their strengths and weaknesses, opportunities and much more.

MASTERCLASS 5

Printed Electronics – Materials and Technologies

This Masterclass is held in German

The new electronics world of printed electronics can utilize any solution-based material including organic semiconductors, inorganic semiconductors, metallic conductors, nanoparticles, nanotubes and more. This technical masterclass looks at the full range of these different materials, comparing for each one the available chemistries, performance, cost, printability, lifetime and multiple other parameters. Attend this masterclass to understand materials and technologies, their strengths and weaknesses, opportunities and much more.



COMPANY TOURS

2 & 5 April 2012



IDTechEx

The event will take advantage of being located in Berlin - a centre of excellence for organic and printed electronics by holding combined Masterclasses and tours to some of the leading companies working on the technology in this region. Many of these visits will give you a clear insight into how printed electronics is being used and features demonstrations by industry experts.*

Soltechure Solartechnik GmbH

Soltechure, which is one of the leading manufacturers of CIS-based thin-film solar modules, launched its first high quality products on the market in 2005. The Berlin high-tech company developed as a spin-off from Europe's leading research institute for thin-film photovoltaics, the Helmholtz Centre Berlin.

Germany Trade & Invest (GTAI)

GTAI will present an overview of the Printed Electronics & Photovoltaics landscapes in Germany. Our two industry experts, Max Milbredt (Printed Electronics) and Tobias Rothacher (Photovoltaics) will provide information about verticals of these two dynamic markets, highlighting how Germany actively fosters both industries' development.

GTAI will be joined by Nanosolar, a company that has successfully entered Germany and exemplifies how companies successfully manufacture and market Printed Electronics and Photovoltaics products for all of Europe. Thus, delegates will receive the latest information on both industries and experience highly innovative products made in Germany!

MASTERCLASS 6

Displays & Lighting

Displays will be one of the largest market segments in printed/organic electronics. OLEDs electroluminescent, electrophoretic and electrochromic displays with unique benefits are being commercially used now. Within ten years we will also see conventional lighting being replaced with lighting that is laminar and flexible. This masterclass will guide you through: the full range of technologies, market opportunities and challenges and the issues to be resolved.

MASTERCLASS 7

Creating New Products with Printed Electronics

Printed and potentially printed electronics is creating many new products given the benefits of the technology. We are looking beyond replacing conventional electronics: Instead we now have smart skin patches, e-book readers, audio paper, moving bill board posters and more. This class will feature early adaptors and successful suppliers and will cover: how lack of creativity is holding the market back, key vertical industries and how they could benefit from the technology and strategies and timelines for going to market.

MASTERCLASS 8

Flexible Substrates, Transparent, Conductors and Barriers for Flexible Electronics

This technical masterclass explains the needs and future trends for the chemical structure and processing of flexible substrates to make them suitable for such uses. We also explore how smart substrates leverage printed electronics by variously acting as loudspeakers, microphones, transistor gates, ultrasound emitters, haptic actuators, barrier layers and sensors etc. This class will cover: market leaders and the latest progress, needs by component type, current solutions and the market opportunity for flexible transparent barriers and emerging solutions.

MASTERCLASS 9

RFID & its Progress Towards Being Printed

RFID is rapidly taking off with the endgame being item level tagging of ten trillion items every year. For Ubiquitous Sensor Networks they must be self powered and under 50 cents each. To achieve these objectives over 50 companies are developing printed thin film transistor circuits which can mimic the silicon chip and be used as a printed RFID tag. This class will cover: technologies involved and how they compete with the reducing cost of silicon chips, benefits beyond cost enabling technologies and progress of the leaders, market sizes and timelines.

MASTERCLASS 10

Energy Harvesting & Storage for Small Electronic Devices

Energy harvesting is the use of technologies to generate electricity from the environment. Different technologies can be employed depending on the energy source, movement, light, thermal, EM transmission or Human. This masterclass will cover: All the technologies involved and an appraisal of their strengths and weakness, the leading developers and their market needs along with IDTechEx forecasts, new battery developments are also covered including super capacitors and super-cababatteries.

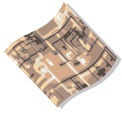


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* Please note: companies we visit retain the right to decline someone from attending. This is beyond the control of IDTechEx and you will be informed of this as quickly as possible if this is the case.



Printed
Electronics
AWARDS

TECHNOLOGY AWARDS RECOGNISING INNOVATION, SUCCESS, DEVELOPMENT.

- **Technical Development Materials**
- **Technical Development Manufacturing**
- **Product Development**
- **Best Commercialisation**
- **Academic R&D**
- **Best in Show**

Now in their sixth year, the awards are judged by a panel of independent experts and hosted by IDTechEx, a leader in providing independent global research and analysis on the topic. If you would like your organisation to be recognized for outstanding achievements in the categories listed here, simply follow the instructions on the website. Any organisation operating with the photovoltaics, printed or partially printed, organic or thin film electronics market is welcome to apply.

Awards Dinner

The drinks reception takes place in the tradeshow hall and the dinner at The Festival Centre adjoining the Convention Centre. The dinner is an ideal networking opportunity to talk with the people who matter to you and were we present the Printed Electronics awards.



www.PrintedElectronicsEurope.com



New

FREE 1-2-1 ANALYST MEETINGS

Printed Electronics is a huge embryonic field covering many technologies and applications. There is enormous potential for fulfilling unmet needs. IDTechEx, the hosts of Printed Electronics Europe 2012, have studied the printed electronics market for more than ten years, authoring more than 40 syndicated research reports on the topic in that time frame.

To maximise the benefit of you attending our event, our analysts would be delighted to meet with you in a 1-2-1 session for a free discussion of how your company can benefit with printed electronics. To set up a meeting, please email khasha@IDTechEx.com.

IDTECHEX RESEARCH

PRINTED, ORGANIC & FLEXIBLE ELECTRONICS FORECASTS, PLAYERS & OPPORTUNITIES 2012-2022

This report analyses the market by territory, printed vs non printed, rigid vs flexible, inorganic vs organic, cost of materials vs process cost and much more, with over 200 tables and figures. It separately covers displays (OLED, EL, electrochromic, epaper, other), lighting, transistors and logic, sensors, photovoltaics, batteries, conductors and other components. Activities of over 1000 leading companies are given.

"Most comprehensive analysis in the area of printed electronics I know"

Johannes Kepler University Linz

"The report was excellent!"

Austria Technologie und Systemtechnik



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3 – 4 APRIL 2012 / BERLIN, GERMANY.



MEET AND DO BUSINESS AT THE WORLDS LARGEST GATHERING OF ADOPTERS AND PURCHASERS OF PRINTED ELECTRONICS.

www.PrintedElectronicsEurope.com



END-USER PRINTED ELECTRONICS FORUM:

Hear a diverse range of case studies, and question a panel of end-users on their needs and experiences.

MEET THE WHOLE SUPPLY CHAIN

at this international event

DEMONSTRATION STREET:

The world's largest collection of printed electronics products in one place.

FREE WORKING SAMPLES

for conference attendees

HERE COMES THE USER PULL

www.PrintedElectronicsEurope.com

This event uniquely features organisations discussing their needs and experiences with printed electronics, split into the following verticals:

- Consumer electronics
- Consumer goods
- Military and aerospace
- Media & advertising
- Architecture
- Built environment
- Land, sea & air mobility
- Healthcare

In addition, technical sessions will appraise and debate the technology options including OLED vs LED lighting, transparent conductive films, display technology, energy storage, logic, memory and much more.

Meet the full supply chain at one event.

UNITED TECHNOLOGIES RESEARCH CENTER

\$52 BILLION
Aerospace/Infrastructure

PROCTER & GAMBLE

\$82 BILLION
Consumer Brands

METRO STORES

€67 BILLION
Consumer Goods Retailer

SCHNEIDER ELECTRIC

€20 BILLION
Electrics/Electronics

SAMSUNG

\$220 BILLION
Consumer Electronics

NOKIA

€42 BILLION
Consumer Electronics

PANASONIC

€83 BILLION
Consumer Electronics

ABBOTT DIAGNOSTICS

\$35 BILLION
Healthcare

