

ESMA Newsletter

Driving Print Excellence

THE INKJET CONFERENCE | MASTERCLASS POLEOT | ONLINE REFERENCE GUIDE
FOR SCREEN PRINTING APPLICATIONS | LUNCH & LEARN WITH ESMA ON FESPA



The Inkjet Conference
7-8th Oct, Düsseldorf
6 Head Manufacturers
46 Presentations
50 Exhibitors

Digital production of up to 10,000m²/h is just the beginning

Why The Inkjet Conference draws such a large crowd.

Inkjet as a manufacturing technology was enabled by a new generation of printheads. The improved reliability and nozzle density enabled single pass inkjet printing. This was only part of the puzzle: inks, electronics, software and integration know-how have all had to evolve to match the challenges. Businesses adopting digital production have had to adopt their business model to take advantage of the digital production process. Nowadays, production volumes for manufacturing with inkjet can be up to 10,000m²/h with the associated challenges of workflow and administration.

This change has taken place in the past five to seven years and has led to a high demand for current and up to date information. The Inkjet Conference has filled this demand by bringing together leading industry and academic players for a technical and educational conference on inkjet technology and inkjet ink.

The Inkjet Conference creates a meeting point for many different industries and market sectors exploring the latest technology and observing how the technology is being adopted in different applications.

“The adoption of inkjet technology takes several steps – from the development of core printhead and ink technology, through proof of application, prototyping, and equipment development before market adoption. Some inkjet markets are mature with second and third generation equipment, others are just beginning to experiment and combine inkjet with digital processes.” – says Steve Knight from Digital Direct Technologies, a Technology Partner of ESMA and co-founder of The Inkjet Conference.

Meet C-level and VP-level industry executives from ceramics, textiles, glass, document printing, packaging, graphics, as well as the leading technology partners from both hardware software and ink manufacturers. Meet leading academics and our scientific board to understand the applied research activities for the future. Inkjet is becoming the manufacturing technology of today. The Inkjet Conference is where we meet.

Go to www.theijc.com to register for the conference and learn more about its programme.



Visit us at FESPA 2015
Hall 7, Stand M25
www.marabu-inks.com

Issue 1
May 2015



Screenmaking chemicals
Screenprintable adhesives
Resists & coatings



Meet us at FESPA,
Hall 8, Stand A3

www.kiwo.de

Masterclass POLEOT 23/6

If you want to catch on technology for producing innovative textiles with light-emitting properties, join us for a Masterclass of the POLEOT project, on 23rd June 2015 in Düsseldorf.

Electroluminescent (EL) and organic light-emitting diodes (OLED) are efficient, lightweight and environment-friendly light sources that give rise to a new generation of textiles. Luminescent inks will soon be employed by innovative screen and digital inkjet processes.

POLEOT (Printing Of Light Emitting devices On Textile) aims at developing luminescence technology for a wide range of new textile applications. Project partners represent University of Hasselt, IMEC, Centexbel, University College Ghent, University of Aachen, University of Stuttgart and Forschungskuratorium Textil. Their final product is a textile-based EL/OLED that will be used to manufacture e.g. high-visibility products for safety clothing or signalisation. The financial support comes from Cornet programme, Allianz Industrie Forschung and Flemish Agency for Innovation by Science and Technology.

If you want to learn more about the project, see the prototypes of flexible lamps and wallpapers of the future, visit the POLEOT's Masterclass, organised by ESMA on 23rd June 2015 in Radisson Blu Scandinavia Hotel in Düsseldorf, between 10:00 and 18:00. ESMA members and academics can participate for € 169, the regular price is € 249, excl. 19% VAT.

Book your place at www.poleot.esma.com

The world of functional screen printing

An online reference guide available at www.screenprinting-technology.org features screen print applications in numerous industrial fields.

What is screen printing capable of? What are the industrial applications of that specialised print technology? A newly launched online reference guide to functional screen printing will provide answers to those questions and illustrate them with examples from numerous industrial fields.

"Consumers and customers are hardly aware that screen printing is present in products they use every day. This poses a challenge to screen printing operators who struggle with explaining their full capacities to the customers." – says Thomas Struckmeier, Managing Director of Blase GmbH & Co. KG, member of bvdM technical committee, Fespa Board member and Technology Partner of ESMA. A solution to cover the knowledge gap is now offered by the website www.screenprinting-technology.org, developed by the German Printing and Media Industries Federation (bvdM) and the Deutsches Institut Druck (DID). The internet

manufacturers and service providers can use the platform to demonstrate their potential and customers can gain a comprehensive view of screen printing applications. Over time a sort of screenprinting database – what I call 'Seripedia' – will emerge to serve consumers, product developers as well as employees and apprentices entering the sector." – explains Röller.

The entry of data on the website remains open to public, manufacturers and service providers. A structured online form encourages the upload of text and images illustrating different screen printing applications. "In order to guarantee the quality and clarity of the submitted content, all companies participating in the project can count on our editorial support." – ensures Karl Michael Meinecke of bvdM. Technical assistance is provided by Prof. Dr.-Ing. Gunter Hübner, an expert in digital and screen printing at the Stuttgart Media University.



Automotive applications: © Marabu GmbH, Medical applications: © Danielson Europe BV.

platform compiles screen printing applications from areas such as textiles and clothing, electronic equipment, sensors, membrane switches and reflective coatings but does not omit graphical processes. Next to different application examples, visitors can learn about requirements for materials and substrates, as well as their usage characteristics.

A firm online presence builds the core of the project introduced by Rudi Röller, Executive Board Member of both DID and Kissel + Wolf GmbH, whose ambition was to continue the pro-screen initiative. "Screen printing

Available in both German and English, www.screenprinting-technology.org will be presented to the public for the first time at FESPA 2015. Official presentations will take place during the show on 18th, 19th and 21st May. Visitors to the ESMA stand can watch an on-going video presentation of the project.

For more information and input of application examples, please contact the project leader Karl Michael Meinecke at km@bvdM-online.de or write to ESMA at info@esma.com.

ESMA on FESPA

Lunch & Learn with ESMA

During the FESPA show, ESMA hosts the "Lunch & Learn" sessions dedicated to the industrial applications of digital and screen printing.

The sessions address the hot topics from the industrial printing sector. Peter Buttiens, the CEO of ESMA, Robin McMillan (SunChemical Ltd.) and Thomas Poetz (3T InkJet) will inaugurate the "Lunch & Learn" formula on Monday, the 18th May 2015, with a presentation exploring the latest trends in industrial printing.

Further sessions will feature Marc Graindourze from Agfa Graphics talking about possibilities of the industrial inkjet printing and Mike Plier from EFI who will focus on the opportunities of thermoforming applications.

The Lunch & Learn sessions in the FESPA Education Hub (hall 8, stand B90) take place on 18th, 19th and 20th May 2015, always between 1 p.m. and 2 p.m.



EFI's "cool cure" technology lowers temperatures across our full line of roll-to-roll, hybrid and narrow web LED printers, enabling you to print on thinner and speciality substrates. Plus, you'll lower energy and consumable parts costs. Pretty cool, right? Fuel your success at vutek.efi.com/LED.

efi

FESPA 2015
Koelnmesse, Cologne, Germany
Hall 6, Stand P10
18-22 May 2015

©2015 EFI. All rights reserved.

ESMA vzw

SINT-JORISVELD 44
3390 SINT-JORIS-WINGE
BELGIUM

T + 32 (0)16 894 353
F + 32 (0)16 434 971

INFO@ESMA.COM
WWW.ESMA.COM

serilor® SQUEEGES - SHARPENERS - ACCESSORIES

www.fimor-serigraphy.com

