First speakers revealed for the sixth edition of TheIJC in Düsseldorf

Leuven, 11th June 2019 – Coming from world’s leading industry players and academic centres, over 60 speakers will present their research on core inkjet technologies during TheIJC (The Inkjet Conference) on 29-30th October 2019 at Crowne Plaza Düsseldorf. Several hundreds of developers, innovators and decision makers are expected to join the event to peer into the future of digital printing and assess its impact on various manufacturing processes.

“TheIJC has established itself as the focal point for learning and discussion between all those who want to make global connections and share thoughts on inkjet innovation. Each year hundreds of participants leave the conference with a head full of ideas, new partnerships and a complete technology update,” says Peter Buttiens, CEO of ESMA (European Specialist Printing Manufacturers Association), organiser of the event.

“Within the community that meets at TheIJC we look at a chain of events: the core technology, the integration, the equipment and the market application. Each development or evolution in the core technology is assessed against the application and the market requirements. Some core technology developments will revolutionise the application, whilst the same core technology development will be irrelevant in another market. With over 60 presentations, the conference covers all areas and explores the links between them,” says Steve Knight, Director of Digital Direct Technologies, co-organiser of TheIJC.

The conference programme opens with plenary sessions with state-of-the-art insights from all major printhead manufacturers. Afterwards topics from hardware, software, vision systems, ink and curing, innovation and research are presented on three parallel tracks. The first confirmed titles include (technical details and further information for all other presenters will be added nearer the time):

On Plenary Sessions (printhead architecture):
- “Make printhead jettability wider” by Guillaume Guinot, Seiko Instruments
- “Making the most of Konica Minolta’s compact inkjet printhead technology” by Paddy O’Hara, Industrial Inkjet

On Track One (hardware and software):
- “A system’s approach to creating high quality output: The importance of an Image Quality System” by Joshua Howard, Kodak
- “Powerdrop: Taking pressure off the ink by jetting materials that add function” by Dr Dan Mace, Archipelago
- “Tips, tools and techniques for printhead waveform optimisation” by Matthew Pullen, Meteor Inkjet
- “Understanding and optimising screeners” by Phil Collins, Global Inkjet Systems

On Track Two (inkjet fluids, analysis and curing):
- “Formulating UV inkjet inks for a variety of industrial applications” by Rita Torfs, Agfa
- “Inks for MEMS printheads: Challenges and opportunities” by Sarah Canning, Fujifilm Ink Solutions
- “Innovative formulation additives to improve your inkjet inks” by Peter Bene, BASF
• “LED curable inkjet ink design: The balancing act” by Dr Pradeep Koyadan, AT Inks
• “New developments in print quality characterisation” by Dr Christian Schöttle, Dataphysics
• “Optimum drying for inkjet processes” by Dr Kai K.O. Bär, Adphos
• “Particle sizing: An overview of myths and misconceptions about particle size” by Dr Larry Unger, Entegris/Soliton
• “Printhead coating for use of chemical aggressive inks and binders, dissolved oxygen and total gas measurement in printing inks” by Dr Alexander Wannewetsch, UMS
• “Promoting curing speed: Ideal surfactants for LED curing inkjet inks” by Dr Vedran Durasevic, Evonik
• “What are the important physico-chemical parameters when formulating inks and how to characterise and optimise them” by Dr Thomas Willers, Krüss
• “What’s new in UV LED” by Alan Mills, Phoseon

On Track Three (inkjet research and innovation for chosen market applications):
• “Aerodynamics of direct-to-shape printing” by Dr Maria Cristina Rodriguez Rivero from University of Cambridge
• “Benefits and challenges of digital printing for printed electronics” by Dr Kerstin Gläser, Hahn-Schickard Society
• “Effects of ink, substrate and target line width on the line quality printed using a materials inkjet printer” by Mihir Choudhari from Rochester Institute of Technology
• “Flow induced damage and chemistry within printing flow systems” by Dr Niamh Fox from University of Cambridge
• “Fully inkjet-printed, air stable OLEDs for signage and packaging applications” by Patrick Barkowski, Inuru
• “Inkjet 3D printing: High resolution and multi-material digital manufacturing” by Marin Steenackers from ChemStream
• “Robot guided functional inkjet printing on non-planar surfaces for electronic applications” by Robert Thalheim from Fraunhofer ENAS
• “Tolerances in industrial inkjet printing of μ-electronic device components” by Kalyan Yoti Mitra from Fraunhofer ENAS


Practical information
The IJC 2019 features 60 presentations, an exhibition of 80 tabletops and an expected total of over 500 participants. Last tabletop and presentation slots are still available – for more information please write to info@theijc.com.
Delegate booking with group discounts, as well as discounts for ESMA members and academics, is available via http://theijc.com/about-event/registration.

For further programme updates please visit http://theijc.com.

Recorded presentations from previous conference editions can be viewed at www.youtube.com/theijc.

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About ESMA
Since 1990 ESMA proudly serves the industrial printing sector. The European association for printing manufacturers in screen and digital printing has grown into an organisation representing industrial, functional and speciality print. Throughout the years ESMA developed the Knowledge Hub concept which now provides almost 70 European manufacturer members and Technology Partners with cross-technology expertise. Every ESMA member enjoys advantageous terms at major trade shows and ESMA’s own conferences. Other benefits include access to technical seminars and committee meetings. Partners and members receive support and advice regarding health, safety and environmental legislation and participate in setting industry standards. For more information visit: www.esma.com

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