



17th Annual European Ink Jet Printing Conference

Wednesday 4th - Friday 6th November, 2009

Join us for the biggest and best ink jet conference this autumn, with over 20 presentations over two days, and complimentary Suppliers Forum and display space for registrants! This year we look at the emerging applications for ink jet such as commercial and industrial printing, label and packaging, textile and printed electronics, hear about new printhead and ink technology, and more! Join us for the best value ink jet event of the year.

Speaker companies include:

Agfa	Linoprint
Ardeje	Samsung
Cyan UV	Sensient
Eastman Kodak	SunJet
EXFO	Tonejet
Fujifilm Dimatix	Toshiba TEC
Hewlett-Packard	TTP
ImageXpert	Xaar
InfoTrends	Xennia
IT Strategies	Xerox
Labels & Labelling	

Ink Jet System Engineering Course

Software, motion control, drop placement & curing

Monday 2nd - Tuesday 3rd November, 2009

A new course covering motion control, datapath and software, and the issues of getting drops onto surfaces, with plenty of helpful integration advice along the way! Ideal for anyone designing and developing graphics or deposition systems.

Ink Jet Academy

Theory of Ink Jet Technology

Monday 2nd - Tuesday 3rd November, 2009

A 1½ day comprehensive course describing the latest advances in ink jet and ink technologies, led by Mike Willis of Pivotal Resources & Dr. Alan Hudd of Xennia Technology. In ten years over 2,000 have attended this broad and up to date introduction to this fast growing technology.



IMI EUROPE

IMI runs the largest and most comprehensive conference and seminar programme in the digital printing industry. Each year over 2,000 industry technical and management personnel from over 600 companies attend more than 20 programmes covering ink jet, thermal, laser, high speed digital printing, textile, industrial and other forms of digital printing.

THE PROGRAMME

IMI Europe brings together a major annual conference, plus the acclaimed course - The Ink Jet Academy and a new Ink Jet System Engineering course. Each programme has been designed to give participants a thorough technical and marketing perspective of their industries, with presentations by acknowledged leaders in their fields. Completely up to date, there is simply no better information available.

THE LOCATION

This Autumn we have chosen Barcelona for our event. This city is the capital of Catalonia. The gothic quarter is the nucleus of the medieval buildings and Roman fortifications, yet no other city has such a wide selection of modernist architecture. The climate in November should be very pleasant, giving you opportunities to explore this exciting city.

COURSE LEADERS



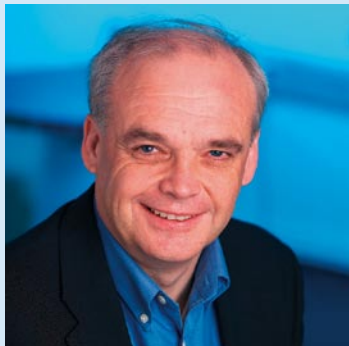
**Mike Willis, Managing Director
Pivotal Resources**

Cambridge, UK

Mr. Willis founded Pivotal Resources, a consultancy in the digital printing industry, in 1995. He has experience in a wide range of technologies and markets including drop-on-demand and continuous ink jet printing, electro-photographic technology, greyscale and colour reproduction methods and light sensitive materials.

Prior to founding Pivotal Resources, Mike was Director of Electronic Printing at Meta Generics. Mr. Willis was a founder member of Xaar - a spin-off company from Cambridge Consultants where Mr. Willis spent ten years working in a number of roles, culminating as Group Leader of Non-Impact Printing. Before that, he spent six years at Gestetner developing photocopiers.

Mr. Willis graduated from the Polytechnic of Central London with an honours degree in Photographic Sciences.



**Dr. Alan L Hudd, President & CTO
Xennia Technology**

Letchworth, UK

In 1996, Dr. Hudd founded Xennia Technology, the world's first independent contract ink jet technology house dedicated to the industrial and office inkjet industries.

Since then, Dr. Hudd has grown Xennia into a leading player in the rapidly emerging market for industrial inkjet technologies. Under Dr. Hudd, Xennia has developed a unique set of inkjet chemistry, engineering and problem solving capabilities that has resulted in a number of important technology innovations, especially in the field of inkjet dispensing of difficult materials.

Xennia is the world's leading chemistry driven industrial inkjet integrator. Xennia provides a complete contract R&D service to support the development of a new application. Xennia supplies printers and inks for production line solutions to OEM's and end-users across a range of industrial applications. Xennia is part of the Royal Tencate Group.

Ink Jet Academy

Theory of Ink Jet Technology

Monday 2nd - Tuesday 3rd November, 2009

Hotel Fira Palace, Barcelona

1.5 day course

pivotal
resources

XENNIA

COURSE FOCUS

The Ink Jet Academy provides a programme and format to get an expert start in the ink jet industry, to get an update or to open up new ink jet fields.

Understanding the fundamentals is a prerequisite to any development. The Ink Jet Academy offers a one and one-half day course covering the basic theory of all the diverse types of ink jet technology in use today.

Learn how the printheads work, what materials are used in their fabrication and the theory of operation. Learn about inks and media, how they are formulated and the supply and support systems. This course assumes a basic scientific knowledge and will provide a useful background to anyone entering the ink jet industry or seeking an efficient update of ink jet technology.

MONDAY NOVEMBER 2, 2009

12:00 noon - 2:00 p.m. Registration
2:00 p.m. Opening session

INTRODUCTION

- Course overview
- Types of ink jet technology
- Brief history
- Drop on demand technologies
- Thermal & piezo ink jet
- State of the art
- Office & SOHO markets & applications

INDUSTRIAL APPLICATIONS

- Evolution of industrial ink jet printing
- Technology advances
- Printheads & printers
- Ink technologies
- Current status & emerging applications

INK TECHNOLOGY

- Understanding the ink jet printing process
- Designing an ink jet ink
 - Piezo drop on demand
 - Continuous ink jet
 - Thermal ink jet
- Properties influencing ink jet performance
- Typical performance issues
- Diagnosing typical ink problems
- Ink types: solvent, aqueous & UV cure
- Testing an ink for reliability: methods & characterization

6:00 p.m. Session closes

6:00 - 7:00 p.m. Reception

TUESDAY NOVEMBER 3, 2009

9:00 a.m.

DOD PRINthead DESIGNS AND VENDORS

- Thermal ink jet
- Piezo ink jet
 - Piston mode designs

- Roof mode actuators
- Stacked piezo technology
- Shear mode designs
- Silicon printheads

MATERIALS FOR INK JET INKS

- Typical material requirements for successful ink jet printing
- Polymers, dyes & pigments
- Pigment dispersion technology & processing techniques
- Key suppliers
- Advances in UV curing ink technology
- Formulation considerations
- Challenges, properties & current performance

DOD PRINthead DESIGN CONSIDERATIONS

- Drop ejection frequency
- Crosstalk
- Printhead life
- Temperature control
- Drop placement accuracy
- Considerations for page arrays
- Greyscale techniques
- Drive waveforms

1:00 - 2:00 p.m. Lunch

PRINT & IMAGE QUALITY

- Factors affecting print quality
- Technologies to improve print quality
- Improving image quality

SYSTEM DESIGN ISSUES

- Nozzle maintenance
- Drop detection
- Filling/bubble removal
- Ink supply and replacement

FUTURE DEVELOPMENTS

- Evolution of current technology
- Hardware & ink technology advancements
- Status & developments of ink technology
- Important future applications
- Recent & projected trends

6:00 p.m. Adjournment

Ink Jet System Engineering Course

Software, motion control, drop placement & curing

Monday 2nd - Tuesday 3rd November, 2009

Hotel Fira Palace, Barcelona

1.5 day course

COURSE FOCUS

Ink jet is becoming not just a successful way of printing graphics, but also a versatile and economical deposition and production process. Putting together an ink jet system either as a prototype, demonstration system, in-plant manufacturing process or a product for sale involves the integration of printheads, inks, ink systems, maintenance and other print engine related components.

But equally important for success is the software to handle the data and process it for the correct nozzle layout, the user interface, machine control, motion

control of either the printheads, substrate or both, alignment of the image or drops with the substrate, control of the accuracy of the drop placement, and control of the way the drops are generated then deposited and dried on the substrate.

This course is run by three experts in their fields who will take researchers, engineers and managers through some of the options and issues involved in engineering an ink jet system. All have a strong track record in product development and will illustrate their talks with real-life examples.

MONDAY NOVEMBER 2, 2009

12:00 noon - 2:00 p.m. Registration
2:00 p.m. Opening session

WELCOME

Alvin G. Keene, President, Information Management Institute, Inc., Carrabassett Valley, Maine, USA & Director, IMI Europe, Cambridge, UK

MOTION MATTERS

Steve Dawson, Engineering Manager, Xennia Technology, Letchworth, UK

An overview of the importance of motion systems and control for a given printer strategy.

- Overview of an integrator's role in integration
- The role of motion in the ink jet printer
- Motion system components; encoders, software, drives, etc
- How accurate does it need to be?
- Other factors effecting drop accuracy
- Designing out problems
- The next level...

6:00 p.m. Session closes
6:00 - 7:00 p.m. Reception

TUESDAY NOVEMBER 3, 2009

9:00 a.m.

GETTING THE DROPLETS DOWN

Dr Nick Campbell, Project Manager, Inca Digital Printers, Cambridge, UK

- Project planning for machine development
 - Machine specification, characteristics of system integration projects, realistic project timescales
- General system integration issues
 - System engineering and its limitations, the incompleteness of most component specifications, getting good performance from not-so-good components, supplier relationships
- Ink types

- Solvent, latex, cationic, acrylic, hot melt. Ink constituents and composition. How "green" is my ink?
- Ink supply
 - Temperature, pressure, degassing, through flow. Materials compatibility, bubble formation through rectified diffusion
- Printhead selection
 - Figures of merit for printheads, greyscale vs binary
- Ink ejection and flight
 - Driving waveforms, nozzle plate wetting, drop mass and velocity uniformity, frequency effects, aerodynamic effects
- Droplet-substrate and droplet-droplet interactions
 - Physical processes and their effects, print quality issues
- Curing the ink
 - UV curing, arc lamps LEDs, other UV sources, intensity and dose

1:00 - 2:00 p.m. Lunch

SOFTWARE FOR INDUSTRIAL INK JET PRINTERS

Dr Jim Taylor, Managing Director, ixPressia, Cambridge, UK

An overview of the software needed to drive industrial ink jet printers and key issues in developing or sourcing it. Aimed at engineers, technical directors and project managers developing ink jet printers.

- Categories of industrial ink jet applications
- Key components of ink jet software
- Interfacing with hardware
- Development strategies and challenges
- Project management issues
- Its not just the software – the human factor
- Key technology trends

The course will be based on the general requirements, but will refer to specific examples from ixPressia's real life experiences.

6:00 p.m. Adjournment

COURSE LEADERS

**Steve Dawson, Engineering Manager
Xennia Technology Limited**

Letchworth, Hertfordshire, UK

Since March 2009 Steve has been Engineering Manager at Xennia, responsible for the delivery of integrated systems and modules to support inkjet integration.

Prior to joining Xennia, Steve has worked in a variety of technical roles across a broad range of industries. For three years Steve worked at Xaar, responsible for new product developments from initial concepts, design for manufacture, through to volume manufacture. Following this Steve worked on a number of US military defence programmes developing countermeasures for CBRN attacks. In addition Steve has also worked in the Automotive, Telecoms, and Pharmaceutical sectors giving him a broad understanding of engineering challenges around integration, scale-up, and production solutions, all of which are key to delivering successful inkjet solutions.

Steve graduated from the University of Nottingham with an Honours degree in Mechanical Engineering.

**Dr Nick Campbell, Project Manager
Inca Digital Printers**

Cambridge, UK

Nick Campbell is a Project Manager at Inca Digital Printers, where he has worked since 2002. He is responsible for developing large format flat-bed ink jet printing systems, which employ drop-on-demand printheads to dispense UV curing inks.

He has worked for several high technology companies, including Cambridge Instruments, where he carried out developments on electron beam writing machines and electron microscopes.

He has a PhD in Electrical Engineering and an honours degree in Natural Sciences from Cambridge University.

**Dr Jim Taylor, Managing Director
ixPressia**

Cambridge, UK

Jim Taylor is Managing Director of ixPressia, which develops and sells software stacks for industrial inkjet printers, including: monochrome and colour variable data printing, and wide array single pass printers for product decoration.

Jim is co-founder of Cametrics Ltd, a Cambridge based software development consultancy founded in 2001. Spotting a market need, ixPressia was formed in 2006 as a product division to develop technology for industrial inkjet.

Before that he worked in high technology consultancy in Cambridge focussing on semiconductor manufacturing equipment and also as R&D manager and systems engineer at Leica.

His introduction to inkjet was thirty years ago as a student in a summer job at Cambridge Consultants, working in the inkjet group.



17th Annual European Inkjet Conference

Wednesday 4th - Friday 6th November, 2009

22 hours of presentations

CONFERENCE FOCUS

Ink jet printing continues to make technology advancements, improvements that have made ink jet printing the leading digital printing technology and have enabled the development of new markets, such as wide format printing, digital presses and industrial printing.

This conference programme is designed to provide participants with a comprehensive assessment of technology and market development trends that will determine ink jet printing's role in the overall printing marketplace. The formal sessions and informal networking sessions provide a unique, interactive environment for leading hardware, consumables, components, system integrator and user company representatives to network and develop an improved understanding of current developments and other forces that are shaping ink jet printing's role in the evolving digital printing industry.

WEDNESDAY NOVEMBER 4, 2009

11:00 a.m. - 2:00 p.m. Conference Registration
2:00 p.m. Opening session

INTRODUCTION TO 17TH ANNUAL EUROPEAN INK JET CONFERENCE

Alvin G. Keene, President, Information Management Institute, Inc., Carrabassett Valley, Maine, USA & Director, IMI Europe, Cambridge, UK

CONFERENCE CHAIRS

Mike Willis, Managing Director, Pivotal Resources, Cambridge, UK
Debbie Thorp, VP EMEA Operations, iTi - imaging Technology international, Cambridge, UK

SESSION 1:

COMMERCIAL PRINTING – A MAJOR GROWTH SECTOR FOR INK JET

INK JET PRESSES: WHERE IS THE MARKET DEMAND?

Marco Boer, IT Strategies, Hanover, Massachusetts, USA

- Market size forecast and context
- The role of new pioneering applications versus imprint/offset replacements versus migrating the mono installed base to colour
- Which sites are eligible, and how many are there?
- What do those sites need in terms of specification?

- **Over 20 presentations from industry leaders**
- **Our unique Suppliers Forum open to registrants to present their company and services**
- **Free table-top display space if pre-booked**
- **Industry market report from IT Strategies**
- **Ample time for networking at our inclusive receptions and lunch**
- **Best value in the industry!**

TRANSPROMO – WHAT DO MARKETEERS AND CONSUMERS ACTUALLY THINK ABOUT IT?

Ralf Schlözer, Director - European On Demand Printing & Publishing Services, InfoTrends, Luton, UK

- Transpromo and the rationale behind the concept – a quick introduction into the concept of transpromo and why this is a promising concept
- Enablers for Transpromo - the recent progress in hardware and software technology is enabling the deployment of transpromo
- Document owners' view on Transpromo – how document owners and marketeers perceive transpromo and what are their plans and expectations
- Keeping the consumer in mind – results of InfoTrends research into the preferences of consumers and their readiness to accept the transpromo concept
- Recommendations for the industry – what stakeholders in the transpromo industry can learn from document owners and consumers to drive adoption

OFFSET CLASS INKJET

Donald Allred, Director, Business Development, Inkjet Printing Solutions, Graphic Communications Group, Eastman Kodak Company, Dayton, Ohio, USA

- Update on Kodak
- Defining offset class performance
- Continuous inkjet technology provides high print speed and expandable width capabilities for very high productivity for real production processes
 - Direct mail printing
 - Wood flooring & panelling
 - Other industrial applications
- Stream inkjet technology
 - Technology overview
 - Product overview - Prosper S10 Imprinting System

HEWLETT-PACKARD'S WEB PRESS

Bruno Trouvé, EMEA Business Development Manager, HP Inkjet High-speed Production Solutions, Paris, France

- HP Inkjet Web Press overview and update
 - Production specification
 - Beta testing
 - Applications
- HP thermal inkjet technology inside
 - Architecture
 - Redundancy

S.M.A.R.T.® COLORANTS FOR HIGH SPEED INKJET PRINTING

John Kane, General Manager, Sensient Technologies Corporation, St. Louis, Missouri, USA

- Advances in high speed inkjet presses pose challenges to inks and colorants
- Increased need for quick drying, highly stable, durable and vibrant inks
- Requirement for pigmented dispersions with smaller, narrower particle size distribution
- Need for formulation stability under extreme storage, shipping and usage conditions
- The challenge for ink formulators to provide greater durability and print quality with current available components
- Sensient's development of S.M.A.R.T.® colorant solutions to address these needs
- An ink technologists 'tool-kit' of customised surface modification technologies

TECHNOLOGY INSIDE COLORQUBE 9200 AND BEYOND

Jim Larson, VP Marking Elements and Integration Laboratory, Xerox Innovation Group, Xerox Corporation, Webster, New York, USA

- Solid Ink performance attributes
- ColorQube architecture, technology, and performance
- Solid Ink beyond ColorQube

7:00 p.m.

RECEPTION

Join us and enjoy local wines and beers, canapés, and of course good company!

Includes two receptions - enjoy local beer, wines & canapes while networking!



Ink Jet Printing Conference

& networking over 3 days!

THURSDAY NOVEMBER 5, 2009

9:00 a.m.

SESSION 2:

EMERGING APPLICATIONS & MARKETS FOR INK JET

DIGITAL PRINTING DEVELOPMENTS AT LABELXPO EUROPE

Andy Thomas, Group Managing Editor, Labels & Labelling, London, UK

- Opportunities for digital printing in the labels market
- New developments in narrow web 4-colour inkjet
- Latest developments in toner and digital offset systems
- In-line and off-line finishing options

INKJET PACKAGING PRINTING WITH LINOPRINT TECHNOLOGY FOR DIFFERENT APPLICATIONS

Berthold Giess, Senior Product Manager, Linoprint: Heidelberger Druckmaschinen AG, Kiel, Germany

- Heidelberg at a glance
- Trends in market and technology
- Trends & requirements in the packaging industry
- Current solutions
- Piezo inkjet DoD
- Integration of DoD in packaging applications
- Summary and outlook

INK JET INKS FOR PACKAGING PRINTING APPLICATIONS

Marc Graindourze, Business Development Manager Integrated Inkjet Solutions, Agfa, Mortsel, Belgium

- Integrated Inkjet Solutions from Agfa
- Agfa ALTAMIRA® inkjet inks
- Label printing
- Printing on plastic packaging
- Indirect food packaging printing
- Pharmaceutical packaging printing
- Low odour UV-curable inkjet inks
- Low migration UV-curable inkjet inks
- Single pass printing ink solutions

TONEJET: MEETING THE NEEDS OF THE PACKAGING INDUSTRY

Guy Newcombe, Chief Technical Officer, Tonejet Ltd, Cambridge, UK

- Packaging industry – huge digital printing opportunity
 - But specialised needs and highly varied requirements
 - Special demands on organisations seeking to provide solutions
- Tonejet technology – meeting demands of the packaging industry
 - Technical
 - Commercial
 - Ecosystem to integrate components into customised solutions
- First installed systems
- Next generation Delta 2 systems
 - Designed to address broad spectrum of packing substrates and formats

A NEW INKJET TECHNOLOGY PROPOSITION FOR PRODUCTION LINE TEXTILE PRINTING

Dr. Alan Hudd, CEO, Xennia Technology Ltd, Letchworth, UK

- Review of the market opportunities for inkjet in different textile applications
- The inkjet proposition for functional material deposition & decoration of production textiles
- Current inkjet technology offerings - progress and limitations
- How to achieve productivity and reliability and overcome the inkjet compromise
- A new technology proposition for production line textile printing
- The importance of inkjet ink technology for success on different woven and non woven fabrics
- An outlook for the near future

1:00 p.m.

LUNCHEON

Join us for traditional and modern Spanish cuisine, plus some local wines



2:30 p.m.

SESSION 2 CONTINUES:

EMERGING APPLICATIONS & MARKETS FOR INK JET

THE FUTURE OF INK JET INKS – WHERE NEXT?

Peter Walshe, Business Development Manager, SunJet, Bath, UK

- Evolution of jetting technology and formulation
- Is UV really a cure-all?
- Applications review
- Ink Jet and printed electronics
- The main challenges for ink formulation, heads and integration



THE TAMING OF THE PHOTON FOR CONSISTENT UV DIGITAL PRINTING PROCESSES

Dr. John J. Kuta, Director of Business Development, EXFO Life Sciences and Industrial Division, Mississauga, Ontario, Canada

- Role of UV light sources on UV inkjet print quality
 - Full cure
 - Pinning
- Properties of UV light sources that influence print process consistency
 - Types of sources and their properties
 - Impact on process consistency
- Radiometry – why isn't measuring light straight forward?
- Existing UV process control options for integrators and digital printers

FORESEE THE FUTURE WITH INKJET : RUNNING INDUSTRIAL APPLICATIONS PREPARE TOMORROW'S SOLUTIONS

Pascal Pierron, CEO, Ardeje, Valence, France

- What European industry is looking for?
- Inkjet in production
 - From order to delivery: car plate equipment
 - Pharmaceutical production process
 - Inkjet in building industry
- From graphics to manufacturing processes: printed electronic opportunities
- From inks to jettable material: chemistry challenges
- Production of solar cells and modules: inkjet answers from conventional to organics
- Inkjet: a competitive solution for thin film production & patterning
- Smart textiles: highlight inkjet advantages with potential applications

EXPANDING INDUSTRIAL INKJET MARKETS THROUGH ADVANCED INTEGRATION CAPABILITIES

Clayton Sampson, Managing Director, Cyan UV Ltd, Oxford, UK

- Inkjet's successful penetration of traditional print/ industrial flat material processing markets
- Can multi-disciplined, process knowledgeable inkjet integrators take inkjet beyond flat-sheet and web markets?
- Combining advanced integration & inkjet capabilities
- Can advanced integration capabilities meet industrial inkjet's technological challenges?
- Can advanced integration capabilities sell the advantages of inkjet technology to new industrial customer groups?
- Can advanced integration capabilities trigger new markets?

SUPPLIERS FORUM

5 minute presentations related to technology, capabilities, services, new product introductions etc. The Supplier's Forum is open to all registrants.

7:00 p.m.

RECEPTION

Join us and enjoy local wines and beers, canapés, and of course good company!

Programme continues on next page....

17th Annual European Ink Jet Printing Conference

FRIDAY NOVEMBER 6, 2009

9:00 a.m.

SESSION 3:

PRINthead TECHNOLOGIES - THE ENGINES FOR GROWTH

THE PARADIGM SHIFT TO SINGLE PASS

Martin Schoeppler, CEO and President, FUJIFILM Dimatix, Santa Clara, California, USA

- Increase of development efforts during economic uncertainty
 - Comprehensive roadmap - Spectra, Performa, Inspira, Endura product strategy
- More products released than at any other time in Dimatix storied history
 - Sapphire, Polaris, ScanPAQ, VersaDrop, Electronics
- Performance today, single pass platforms for the future
 - SAMBA matrix array printbar

THE EVOLUTION OF PIEZOELECTRIC INKJET - GOING FASTER!

Ramon Borrell, R&D Director, Xaar plc, Cambridge, UK

- Review of shared wall piezo technology
- Acoustic wave firing
- Approaches to single-cycle operation
- Imaging for applications
- Systems requirements

TOSHIBA TEC - HOW TO ACHIEVE HIGH QUALITY IMAGES WITH INKJET?

Mr. Erwin Kempeneers, Managing Director, Integration and Consultancy Services Bvba, Gent, Belgium

- What is the requirement for inkjet printheads to achieve high quality images?
- What is the advantage for high-quality single pass printing?
- Solutions from TTEC - technologies and examples
- What is the critical success factor for inkjet device development?

CUSTOMISING MEMS INKJET PRINthead FOR TARGET APPLICATIONS

Dr. Jaewoo Joung, Group Leader of Inkjet Business, Samsung Electro-Mechanics, Suwon, Korea

- SemJet®: Inkjet printing solution by Samsung
 - Fabrication of MEMS based piezo inkjet printhead
 - Synthesizing Nano-Cu inks
 - Forging a printing solution combining the above
 - SemJet® specifications
- Target applications in printed electronics
 - Application example of printed metal lines for electronic circuitry
 - Alternative fabrication techniques using inkjet printing solution
 - Inkjet printing applications in next generation display devices



ACHIEVING GREYSCALE WITH THE Q-CLASS PRINthead

Clive Ayling, The Technology Partnership plc, Cambridge, UK

- Background information on greyscale and binary printing, and on S-class and Q-class jetting assemblies from Dimatix
- New product announcement from TTP: Meteor™ driver cards for the Q-class
- A multi-pulse waveform development tool for Q-class
- Some results of waveform testing

ANALYSIS OF INKJET PROCESSES AND PRINT QUALITY FOR SOLAR AND OTHER PRINTED ELECTRONICS APPLICATIONS

Yair Kipman, President, ImageXpert, Nashua, New Hampshire, USA

- JetXpert-- a camera and strobe-based system for use in analysis of drops in flight using single strobe events, supporting fluid development and printing system optimization
- Camera and scanner-based systems to assess print quality and material interactions - flexible options for part and print inspection for many different materials
- Specialized camera options for functional testing and defect detection - systems can combine visible range cameras and IR cameras address a wide range of inspection needs

1:00 p.m.

Adjournment

INK JET ACADEMY PRACTICE OF INK JET TECHNOLOGY Hands-on printheads & inks course Two times yearly, Letchworth, UK

Next course October 19-22, 2009

The Ink jet Academy 'Practice of Ink jet Technology' offers the first dedicated practical ink jet course aimed at chemists and technologists looking to develop and enhance their ink jet experience. Covering all important aspects necessary in the development and formulation of reliable ink jet fluids and ink jet system configuration, the course provides the ideal platform for laboratory staff looking to improve their knowledge of ink jet for industrial applications.

The course draws upon XenNia's extensive industrial ink jet experience of ink formulation and industrial ink jet integration. Combining in-depth classroom taught theory sessions with practical demonstrations and experiments, course attendees will have the opportunity to formulate and evaluate inks and perform jetting trials with a range of high tech industrial printing platforms at XenNia's state-of-the-art ink jet laboratories.

UPCOMING IMI CONFERENCES

INK JET ACADEMY: PRACTICE OF INK JET TECHNOLOGY

October 19-22, 2009
Letchworth, Hertfordshire, UK

INK JET ACADEMY: THEORY OF INK JET TECHNOLOGY

November 2-3, 2009
Hotel Fira Palace
Barcelona, Spain

INK JET SYSTEM ENGINEERING COURSE

November 2-3, 2009
Hotel Fira Palace
Barcelona, Spain

17TH ANNUAL EUROPEAN INK JET PRINTING CONFERENCE

November 4-6, 2009
Hotel Fira Palace
Barcelona, Spain

6TH ANNUAL SECURITY PRINTING CONFERENCE

November 16-18, 2009
Sheraton Baltimore City Center
Baltimore, Maryland, USA

INK JET ACADEMY: THEORY OF INK JET TECHNOLOGY

February 1-2, 2010
Crowne Plaza San Marcos Resort
Chandler (Phoenix), Arizona, USA

13TH ANNUAL TONER PRINTING CONFERENCE

February 1-3, 2010
Crowne Plaza San Marcos Resort
Chandler (Phoenix), Arizona, USA

21ST ANNUAL THERMAL PRINTING CONFERENCE

February 1-3, 2010
Crowne Plaza San Marcos Resort
Chandler (Phoenix), Arizona, USA

19TH ANNUAL INK JET PRINTING CONFERENCE

February 3-5, 2010
Crowne Plaza San Marcos Resort
Chandler (Phoenix), Arizona, USA

For additional information and registration information, visit IMI's web site www.imiconf.com

XENNIA



Xennia's modern laboratories are located in Letchworth, Hertfordshire, UK. Letchworth is 35 minutes from London by train and equidistant with Cambridge. We will provide details of local hotel accommodation nearby and provide transport to and from XenNia at the start and end of each day.

REGISTER ON-LINE AT
www.imieurope.com!

For full course details, fees and on-line registration please visit our web site at www.imieurope.com



WELCOME TO DIGITAL PRINTING 2009

IMI Europe has once again put together an outstanding programme for Digital Printing 2009. Our **17th Annual European Ink Jet Printing Conference** is packed with the latest overviews, updates and technology developments for office, commercial and industrial printing. This year the **Ink Jet System Engineering Course** gives a first class overview of this neglected yet important part of printer or process development. And if you need to get up to speed with ink jet, join our very popular and successful course - the **Ink Jet Academy - Theory of Ink Jet Technology**.

Our programmes offer the best value in the industry - great registration rates, discounts for multiple registrations, and opportunities to network with the speakers and attendees at our inclusive lunch and receptions. Also registrants to the conference are welcome to display company literature in our separate display area.

How could you miss it? See you in Barcelona!

Mike Willis, Managing Director, IMI Europe Ltd

PRODUCT DISPLAYS

Product demonstrations or displays by both conference speakers and registrants are encouraged. IMI will co-operate with all interested parties to provide appropriate space so products can be displayed and demonstrated during the conference breaks. There is no charge in addition to the conference registration fee to have a display table. Interested companies should contact Alvin Keene at IMI Inc. to pre-book space - email: al@imiconf.com

WORLDWIDE PRINTER AND SUPPLIES MARKET REPORT

Information Management Institute, Inc. is pleased to announce that it has commissioned I T Strategies of Hanover, Massachusetts to prepare a study report entitled "Worldwide Printer and Supplies Market Report" for distribution to all registrants to IMI's programmes.

This exclusive market report is updated at least twice annually and provides an ongoing source of market information based on a consistent methodology and reporting structure. The report is generated from I T Strategies' worldwide computer printer industry model.

All registrants to IMI Europe's Digital Printing Conferences at the Hotel Fira Palace, Barcelona, Spain will receive a complimentary copy of the latest edition of the "Worldwide Printer and Supplies Market Report."

LOCATION & HOTEL INFORMATION

The 17th Annual European Ink Jet Conference, Ink Jet System Engineering Course and the Ink Jet Academy are being held at the Hotel Fira Palace, Barcelona, Spain. Hotel reservations and charges are the responsibility of each conference registrant.

The discounted hotel rate is €140/€155 for single/double occupancy if booked before **September 18**, and €160/€175 **September 19 - October 2**. These rates include a buffet breakfast. Requests after these dates will be on a space available basis. To receive the special rate, you must identify yourself as a registrant to an IMI Europe Conference by using the fax form available on our web site at www.imieurope.com.

The Hotel Fira Palace is an elegant contemporary hotel centrally located in downtown Barcelona, right next to the well known Plaza España, and a short distance away from the famous Ramblas and the sea front. It is within easy walking distance of the famed Spanish village, fabulous Cruz Cubierta shopping centre, Miro Museum and the Olympic Ring.



Renowned as the most spacious in Barcelona, the superb air-conditioned and sound-proofed guest rooms boast stunning Italian marble bathrooms with separate shower cabin, and are equipped with hairdryer, make-up mirror and water-control thermostat.



Room Facilities:

- Satellite TV
- Direct dial telephone
- Movie channels
- Laptop size safe
- Minibar
- Wireless Internet
- Choice of pillows
- 24 hour room service

Dining and Entertainment:

Indulge in pure Catalan ambience in the hotel's 2 superb restaurants serving fine regional and international cuisine. El Mall Restaurant, with its vaulted brick ceilings, is particularly atmospheric, as is the hotel's lively piano bar, Scruples.



Free-Internet

Free Internet point located in the lobby and free internet access available for 30 minutes everyday with your personal laptop (Wifi).

Also included

- Free entrance to the gym and sauna.
- Free entrance to the heated indoor swimming pool with massage cascade and water jets.
- Free entrance Invitation for 2 people to Casino Barcelona.



Hotel Fira Palace Barcelona

Av. de Rius i Tauler, 1-3, 08004 Barcelona, España
Tel: +34 934 262 223
Fax: +34 934 248 679
email: reception@fira-palace.com
www.fira-palace.com

This hotel offers a unique opportunity to combine a relaxing weekend or vacation in Barcelona with attendance at IMI Europe's conferences.

Barcelona offers plenty of bars, restaurants, sightseeing, monuments, museums and shopping. The climate in November should be mild, giving you the opportunity to explore this fascinating city.

For additional information on Barcelona, visit the Turisme de Barcelona Web Site at: www.barcelonaturisme.com



REGISTRATION FEES

THE INK JET ACADEMY THEORY OF INK JET TECHNOLOGY

- Attendance at all sessions
 - Course reference binder
 - One lunch
 - One reception
 - Coffee breaks
- Registration fee £895, €1,045, \$1,495

INK JET SYSTEM ENGINEERING COURSE

- Attendance at all sessions
 - Course reference binder & CD
 - One lunch
 - One reception
 - Coffee breaks
- Registration fee £895, €1,045, \$1,495

17th ANNUAL EUROPEAN INK JET PRINTING CONFERENCE

- Attendance at all sessions
 - Conference reference binder & CD
 - One lunch
 - Two receptions
 - Coffee breaks
- Registration fee £895, €1,045, \$1,495

Spanish VAT at 16 % or the prevailing rate will be added to registration fees

DISCOUNTS

A discount of £85, €100, or \$145 is given for the second and subsequent registrants from the same company for the same course or conference when registered as a group. For each additional course or conference we offer a registrant a £85, €100, or \$145 discount. You are only eligible for one discount per person.

BOOKING POLICY

Cancellations will receive a 100% refund of course fees if made 72 hours prior to the start of the conference. Substitutions may be made at any time.

HOW TO REGISTER

- 1 Please register on-line via our web site - www.imieurope.com

We will check availability, and email to you your registration information and an invoice with details of how, when and where to pay.

- 2 Alternately fill in the form below (copy it first if you wish to register more than one person), and fax it to:

Christine at IMI Europe, Cambridge, UK - Fax: +44 1223 235901

I wish to pay in the following currency: UK £ Euro € US \$

Please invoice me for payment via: Bank Transfer Credit card (will be billed in UK £)

**Hotel reservations and charges are the responsibility of each conference registrant - for details see previous page.
Early-bird rates are available up to September 18, and special rates September 19 - October 2, 2009**

REGISTRATION FORM

Conferences or Course required - indicate below

INK JET ACADEMY £ 895 € 1,045

INK JET SYSTEM ENGINEERING COURSE £ 895 € 1,045

17th EUROPEAN INK JET CONFERENCE £ 895 € 1,045

Discount for multiple courses or registrants £ 85 € 100

November				
Monday 2	Tuesday 3	Wednesday 4	Thursday 5	Friday 6
	INK JET ACADEMY			
	SYS. ENG. COURSE			
			INK JET CONFERENCE	

NAME JOB TITLE

COMPANY

ADDRESS

CITY POSTCODE COUNTRY

PHONE FAX:

EMAIL