



IMI's **6<sup>th</sup> Annual Security Printing Conference** Chairman Harold Schofield reported at last year's conference that the annual worldwide economic cost of fraud, counterfeiting and piracy exceeds \$650 billion dollars or 5 to 7% of world trade. In the U.S. alone, it is estimated at \$250 to \$350 billion resulting in 250,000 lost jobs. Companies and agencies are actively pursuing new technology options and security solutions to reduce these losses and recover the lost jobs. With the annual security printing industry revenues estimated to approximate \$9 billion dollars, these increased efforts will continue to expand these revenues.

IMI's **6<sup>th</sup> Annual Security Printing Conference** addresses the challenges and opportunities in dealing with security issues and enabling brand protection for products and the production of secure documents for a wide variety of applications including business documents, packaging, ID's, currency, gaming/event tickets, travel documents, etc. Industry experts will address technologies' capabilities and shortcomings relative to printing secure output plus the technology options available to enhance the production of secure documents, products and devices of all types. The conference program will provide a critical assessment of forensic analysis requirements, enhanced ink and media systems, document traceability technologies and other potential avenues to enhance product and document security.

### **Complimentary Conference Displays & Suppliers' Forum**

IMI's **6<sup>th</sup> Annual Security Printing Conference** provides the opportunity to have a free display space to exhibit your products, technology or services. Each conference registrant also has the opportunity to give a commercial 5-minute Suppliers' Forum presentation.

IMI will cooperate with all interested parties to provide appropriate space so products can be displayed and demonstrated during the conference breaks and receptions. **There is no fee in addition to the conference registration fee to have a display and/or to give a Suppliers' Forum presentation.**

**To reserve your complimentary display space and Suppliers' Forum presentation slot, please register online and check off the box indicating your participation OR complete the registration form on page 4 and fax to +1-207-235-2226 OR send an email to [al@imiconf.com](mailto:al@imiconf.com)**

### **Conference Speakers**

**Chair: Harold Schofield, Schofield Imaging Associates**  
**Elaine A. Bresnick, Consultant**  
**Dr. Alain C. Briançon, NTERA**  
**Mike Caffrey, Appleton**  
**Dr. Steve Carlson, Optodot**  
**Lorie Gottesman, FBI Laboratory**  
**Chuck Hardester, NAPHSIS**  
**John Hattersley, InData Systems**  
**Tom Jay, SICPA**  
**Kay Jeong, Xennia**  
**Dr. Jochen Koenig, Schenk Vision**  
**Jim Mauro, Heidelberg**  
**Yvette Monson, US Secret Service**  
**Frank St. John, Methode Electronics**  
**John Stearns, Magellan Consulting**  
**Jeffrey Strahl, H.W. Sands**  
**Robert Taylor, Eastman Kodak**  
**Stephan & Johannes von Schilcher, JOEL**  
**Richard H. Ward, Buena Vista Resources**  
**Dr. James Williams, Polyonics**  
**Don Wright, Lexmark International**



# 6<sup>th</sup> Annual Security Printing Conference

## November 16-18, 2009



Sheraton Baltimore City Center Hotel  
Baltimore, Maryland

### Monday, November 16, 2009

11:00 a.m. Conference Registration

1:00 p.m. Session 1  
**Security Printing – Why Are We Interested?**

#### WELCOME AND INTRODUCTIONS

Alvin G. Keene, President, Information Management Institute, Inc., Carrabassett Valley, Maine  
Conference Chairman:

Harold Schofield, Schofield Imaging Associates, Narragansett, Rhode Island

#### SECURITY PRINTING IN PERSPECTIVE

Harold Schofield, Schofield Imaging Associates, Narragansett, Rhode Island

- Security Printing Industry Overview & Development
- Transition To Digital Printing Of Documents
- Protecting Against Alteration & Counterfeiting
- Trends & Technology For Digital Document Security
- Security Market Perspective
- Security Printing Economics: What Are The Costs & Who Pays?
- Conference Highlights

#### SECURITY MARKET OVERVIEW

Richard H. Ward, Principal & Managing Member, Buena Vista Resources LLC, Buena Vista, Colorado

- “Security” Market is Very Broad
- Many Segments are Underserved
- High Level Overview & Discussions on
  - How to Analyze Market Needs
  - How to Turn “Market Needs” Information into Meaningful Solutions
  - Why Don’t the Suppliers Make the Products the Buyers Want?
  - Why Do Products Fail to Meet Expectations?
  - Why Do Buyers Lose Interest in Technologies?
- Strategies for Buyer/Vendor Teaming to Develop Solutions

#### SECURITY PRINTING IN PACKAGING

Jim Mauro, Product Manager, Prinect Press Products., Heidelberg USA, Inc., Kennesaw, Georgia

- Assessment of the Threat
- Value to be Protected
- Guideline for Selecting Appropriate Security Features for Given Packaging Applications
- Overt & Covert Security Features
- Samples showing Special Substrates, Inks, Coatings and/or Processes
- Impact on Package Design & Appearance
- Latest Developments in Packaging Security Printing

#### SECURING ID AND FINANCIAL TRANSACTIONS

John Stearns, President, Magellan Consulting, Bloomington, Minnesota

- Snapshot of ID & Financial Card Industry
- MagnePrint Technology
- Machine Readable Technology
- Already on Magnetic Stripe
- Low Cost, Secure Authentication
- Global Application

#### RFID ENABLED SECURITY APPLICATIONS

Elaine A. Bresnick, Consultant, Newton, Massachusetts

- What is RFID?
  - How Does it Work?
  - Market Size & Applications
- RFID Application Categories
  - Track & Trace (Retail & Healthcare)
  - Access Control (EZ Pass, Car Entry, Access Control)
  - Personal Identification (Passport, License, Pets)
- Security Applications Focus on UHF
  - Personal ID (Kids on School Buses, Elderly & Affirmed-Alzheimer’s Patients, Patient ID-BPOC)
  - Access Control (High Voltage Workers, Medicine Cabinet)
  - Track & Trace (E-Pedigree-Pharma)
- Assessment of RFID for Security Applications
  - Security & Privacy Concerns
  - UHF Gaining Traction
  - Standards Exist
  - Closed Loop Apps Work Best
  - Combining with Other Sensors for Tracking Environmental Conditions (Food, Pharma)

#### TOOLS TO DEFINE BRAND PROTECTION

##### STRATEGY - How Does One Eat an Elephant?

Dr. James Williams, Founder & Chairman, Polyonic Inc., Westmoreland, New Hampshire

- Brand-owners Face Daunting Task when Confronted with the Reality of Taking Action against Threats to their Brand Integrity
- Developing Structured Process for Organizing Strategies to Protect Brands
- Fundamental Axioms across all Industries - What are some of the Lessons Learned from Successful (and Unsuccessful) Programs to Prevent Counterfeiting
- Risk Analysis: Impact on Company & its Reputation - ROI vs. Corporate Liability
- Available Technologies
  - Acceptance of “Layered Protection” as the Effective Paradigm
  - Brief Overview of Technologies
- Decision/Analysis/Tradeoffs You Must Face
  - Which Technology, i.e. Overt, Covert, Forensic?
  - Where to Use it, i.e. Packaging, On the Product, in the Product or in the Process?
  - What Tradeoffs do you Face in these Decisions?
  - A Decision Tree as a Useful Tool

#### SECURING HARDCOPY DEVICES WITH THE IEEE

##### 2600™ SERIES OF STANDARDS

Don Wright, Director of Standards, Lexmark International, Lexington, Kentucky

- IEEE 2600™ Series of Standards Define Security Requirements for Manufacturers, Users & Others
- Covers Selection, Installation, Configuration & Usage of Hardcopy Devices & Systems
- Printers, Copiers & Multifunction Devices Included
- Issues Addressed Encompass Authentication, Authorization, Data Privacy, Data Integrity & Device Management
- Testing & Certification
- Protection Profiles for Specific Operational Environments
- What’s Next?

6:30 p.m.

Reception in Dispalay Area

### Tuesday, November 17, 2009

7:30 a.m. Breakfast

8:30 a.m. Session 2

#### Security Printing Issues & Options

#### DESIGNING HIGH PERFORMANCE BRAND PROTECTION/BRAND SECURITY SOLUTIONS

Roberts S. Taylor, General Manager, Kodak Security and Design-to-Launch Solutions, Business Services and Solutions Group, Eastman Kodak Co., Rochester, New York

- Effective Brand Protection: Sound Strategy for a Complex Problem: Assessment, Plan, Protect, Monitor & Enforce
- Business Case for a Brand Protection Solution: Defensive, Direct ROI, Offensive & Analysis Examples
- Designing a Brand Protection Solution
- Balancing Requirements for High Performance Security Solution: Customer Needs, Regulatory Compliance, Technical Requirements, Performance & Effectiveness Specs & Technical Specs for Well-designed Security Solution
- Brand Protection Tools & the Questions They Answer
  - Forensic, Covert & Overt Authentication Tools
  - Ultra-covert, Covert & Semi-covert
  - Ultra-covert: New Approach (Benefits: More than High Security)
  - Layering Tools to Answer Complex Problems
  - A Unique Layering Approach

#### DOCUMENT & PRODUCT PROTECTION – PROVIDING INTEGRATED SOLUTIONS

Stephan von Schilcher, Joel Global Product & Brand Security, Annapolis, Maryland & Johannas von Schilcher, Joel Global Product & Brand Security, Berg, Germany

- Document Security: The Paper, Security Features, Security Stamping Ink, Crypto Print & Crypto Trace
- Product Security: Security Threads, New Up-Conversion (Detectable with & without Laser), Trace Tag, Random Structure Surface Structures, Intra-gram, Crypto Print, Crypto Trace (Print & Laser Engraved) & Color Twister

#### NEW INK JET PERSONALIZATION TECHNOLOGY & HIGHLIGHTS FOR GOVERNMENT ISSUED DOCUMENTS & REVENUE COLLECTION

Tom Jay, Vice President, Sales & Marketing, SICPA Securink Corporation, Springfield, Virginia

- New Ink Jet Technology Description & Capabilities
- New Innovations in Security Technologies for Government-run Programs
- Best Practices for Selecting Technology
- Implementing a Comprehensive Program for Security

**Register Online**

Visit

[www.imiconf.com](http://www.imiconf.com)

## CHALLENGES OF IMPLEMENTING SECURITY CHANGES IN VITAL RECORDS OFFICES

Chuck Hardester, Security Consulting, National Association for Public Health Statistics & Information Systems (NAPHSIS), Silver Springs, Maryland

- NAPHSIS: Membership, Goals & Programs
- Vital Records Responsibilities
  - Registration & Certification of Vital Events in 57 Jurisdictions
  - Model Vital Statistics Act & Regulation: 1992
  - Customer Constituent Service
  - Preserving Records
- Factors Contributing to Security Problems in Vital Records Offices
  - Open Record States
  - 6400 Issuing Agents – Lack of Local Control
  - 14,000 Variations of Certification Documents
  - Lack of Security Features in Certification Documents
  - Failure to Adopt Federal Regulations of the intelligence Reform & Terrorism Prevention Act of 2004 (INTEL)
- Meeting the Security Challenges
  - Revision to the Model Vital Statistics Act & Regulations
  - Development of a NAPHSIS Security Guideline Manual (Document Security Features, Physical Plant Security & Issuance/Registration Procedures
  - Electronic Verification of Vital Events (EVVE)
  - Piloting a Fraud Early Warning System
  - Supporting the Adoption of the Federal INTEL Regulations

12:00 Noon Luncheon



### Why Should You Attend IMI's 6th Annual Security Printing Conference?

- Participate in the only 2009 program dedicated entirely to Security Printing and Brand Protection issues and technology options
- Learn about the latest technology developments and innovations being utilized and proposed to enhance brand protection & document security
- Participate in interactive sessions and informal discussions on topics critical to development and implementation of printing systems with improved security features
- Obtain information on how improved security printing system implementations can provide business opportunities for hardware, software and supplies manufacturers
- Establish personal contacts with leading experts in digital printing and security printing organizations
- Have a table top display to inform the industry of your products and services
- Give a 5-minute Presentation at popular Suppliers' Forum

1:30 p.m. Session 3  
**Forensic Analysis Tools, Techniques & Needs**

### CHALLENGES FACED WHEN EXAMINING FORENSIC EVIDENCE

Lorie L. Gottesman, Forensic Document Examiner, FBI Laboratory, Quantico, Virginia (Co-author: Joseph Stephens, Forensic Document Examiner, USSS Laboratory, Washington, DC)

- Forensic Tools & Procedures for Identifying Counterfeit Documents & Other Items
- Forensic Databases for Linking Evidence & Cases
- Forensic Issues for Ink Jet & Laser Technologies
- How can Security Printing Technologies Work for Us?

### TRENDS IN DIGITALLY PRINTED COUNTERFEIT BANK NOTES

Yvette Monson, Counterfeit Specialist, United States Secret Service, Washington, DC

- Introduction to USSS Counterfeit Note Classification System & Role of Counterfeit Specialists
- Information on Growing Problem of Digitally Produced Counterfeit Notes
- Challenges Inherent to Classification of Digital Notes & Possible Solutions
- Current Trends in Digital Counterfeits
  - Mixed Process Notes
  - Simulation of Security Features
  - Note Variations
  - Bleaching
- Linking Digital Counterfeit Notes Forensically
  - Association through Identifiers & Defects
  - Evolution of Counterfeit Note Families from Traditional to Digital Print Processes

### AUTOMATED QUALITY CONTROL FOR SECURITY PAPER

Dr. Jochen Koening, Managing Director, Schenk Vision, Woodbury, Minnesota

- Security Papers Require Highly Stable Production Process to Meet Quality Requirements for Currency & Other Security Products
- WebFeat Automated Inspection System
  - Developed in Cooperation with Leading Security Paper Manufacturers
  - Recognizes all state-of-the-art Security Features
  - Flexible Design enables Inclusion of New Parameters as New Security Features Evolve
- Key Benefits & Advantages
  - High Resolution CCD Line-scan Cameras (Realistic, Microscope-like Defect Images; Easy Calibration, Robust & Maintenance-free compared to Laser Systems
  - Transparency of Project & Product (Customer Involvement at early Planning Stage, Full Transparency of Features & Operating Principles and No Black Box)
  - Tailor Made & Flexible for Future Enhancements (Designed according to Client Specifications, Enhanced Defect Classifications aligned with Customer Terminology & Open to Future Editions as Products Evolve)
- Reliably Detects Defects in Paper Material plus Monitors Presence, Position & Properties of Incorporated Security Features
- Measures the geometry of the Paper Sheets as an In-line System
- Works on Real-time Basis enabling Immediate Root-cause Analysis & Corrective Action

**SUPPLIERS' FORUM:** 5-Minute Presentations Related To Technology, Capabilities, Services, New Product Introductions, etc. The Suppliers' Forum is open to all Conference Registrants

5:30 p.m. Reception in Display Area

Wednesday, November 18, 2009

7:30 a.m. Breakfast

8:30 a.m. Session 4

### Do New Security Printing Techniques Offer Economically Viable Solutions?

**NanoChromics™ PRINTED SECURITY SOLUTIONS: APPLICATIONS TO IDENTIFICATION, AUTHENTICATION & TRACKING/INTEGRITY**  
Dr. Alain C. Briançon, Chief Technology Officer, NTERA, Inc., Radnor, Pennsylvania

- NanoChromics Displays (NCD™) Technology & Principles of Operation
  - Solid State Electrochromic Phenomena
  - Electrochromic Molecules & Nanomaterial Formulations
  - Self-erasing Metastable (Persistent Image) & Irreversible Color Changes
- NCD Manufacturing Utilizes Additive All-print Process & can be made using Standard Printing Processes (Ink Jet, Flexographic, Screen, etc.) on Substrates from Polyester Films to Paper
- NCD Designs can be used for Security Application Functions such as One Time Passcodes for Two Factor, Authentication, Dynamic Color Changes for Covert to Overt Authentication, Dynamic High Resolution Biometric Images, Tamper Detectors, Watermarkings, Device Trackers & Many More
- Inks Designed to Mix with Existing Security Ink & Film Solutions Enabling Further Advanced Solutions
- Potential Use in Advanced Security Applications

### WATER BASED INK JET PRINTABLE INKS: DEVELOPMENT APPROACH & PRODUCTION ENABLING METHODOLOGY

Frank St. John, Methode Electronics, Inc. Harwood Heights, Illinois

- Development: Water Based Ink Jet Printable Ink
  - Thick Film Expertise: Micro-size Composition, Screen Print Production, Industries & Applications
  - Water Based Conductive Ink Jet Material Development: Nano-size Composition, Compatible Substrates, Ink Jet Production, Ink Characterization
- Enabling Implementation – Ink Jet
  - Industries & Applications: Variable Data Advantage & Variable Production Batch Size Advantage
  - Development Support: Microelectronics Industry & Printing Industry, Thermal & Piezo Ink Jet Printheads & Cartridges, Scalable Engineering Thermal Desk Top Systems
  - Production: Industrial Systems & Product Volume Considerations
- Security Printing Applications & Future Directions
  - Ink Jet Printable Ink Development
  - Enabling Industry Application Development

### INK JET CHEMISTRIES FOR SECURITY APPLICATIONS

Kay Jeong, Xennia Technology, Letchworth, Hertfordshire, UK

- PROGRAM CONTINUED ON NEXT PAGE -



## INNOVATIVE NEW TECHNOLOGIES IN SECURITY PROTECTION & BRAND PROTECTION

Jeffrey Strahl, Vice President, H. W. Sands Corporation, Jupiter, Florida

- Estimated Annual Sales of Counterfeit Products Exceed \$750 Billion Worldwide, resulting in
  - Financial Loss
  - Damage to Brand Name Products
  - Damage to Health & Life from Faulty Counterfeit Products
- SANDS-SECURE® Security Products, Solutions & Technologies
  - Offering Multiple Products to Create Layers of Security – Key to Staying Ahead of Counterfeiters
- Overt Technologies: Color Shift Inks, Holograms, Photochromic Inks, Thermochromic Inks, Smart Holograms Optically Programmable Sensors™ (SHOPS)
- Covert Technologies: Fluorescent Dyes, Scrambled Indicia – SI® Embedded Security Technology, Polarized Hidden-Image Tech (PTEC)
- Forensic Technologies: Forensic Taggants
- Implementation Examples

## LASER DIGITAL IMAGEABLE MEDIA WITH DUAL VESICULAR & INFRARED IMAGES

Dr. Steve Carlson, President & CEO, Optodot Corporation, Allston, Massachusetts

- Nearly Invisible IR Laser Digital Imageable Coatings for Security Applications
- Capabilities to Form either an IR Image only or Dual Vesicular - Bubble & IR Images Readable in the Visible & IR Range
- Laser Energy Conditions Needed to Produce Both Types of Digital Images
- Application as Authentication Agent in ID Cards, Documents, Tags & More by Variety of Coating & Laminating Methods

## COVERT BARCODES HANDLE ON-THE-SPOT BRAND & DOCUMENT AUTHENTICATION

John R. Hattersley, President, InData Systems, Skaneateles, New York

- Why Covert Barcodes?
  - In-the-field Track, Trace & Authentication
  - Types of Data in Invisible Marks
  - Multilayer Protection: Combines Covert Mark + Encoded Serialization
- 3 Legged Stool of Covert Security Solutions
  - Reliable Ink & Marking Methods
  - User Friendly In-field Scanners
  - Data System Integration/Tracking
- Reliable Methods Now Widely Available
  - Digital & Ink Jet Printing, Thermal Transfer
  - Different Ink-specific Technologies
  - Affordable, Durable Field Scanners

## ENCAPSULATED AUTHENTICATIONS

Mike Caffrey, Security Business Development Manager, Technical Papers Division - Security Papers, Appleton, Appleton, Wisconsin

- Encapsulation Methods
  - Chemical
  - Physical
- Release Methods
  - Pressure
  - Temperature
  - Chemical
- Benefits of Micro-encapsulation
  - Raw Materials Savings
  - Productivity
  - NewFunctionality
- Security Authentication
  - Time Release & Markers
  - Patented Detection System
  - Patented Authentication System

1:00 p.m. Adjournment

## IMI's Digital Printing Course Webcasts Available Online

Recorded Webcasts of the following IMI Digital Printing 2009 Courses are now available at [www.imiconf.com](http://www.imiconf.com)

### Digital Printing Markets

Led by Marco Boer of I.T. Strategies, Don Franz of Photo Imaging News and Robert Palmer & John Shane of InfoTrends

### Color & Color Management

Let by Dr. Gabriel Marcu of Apple

**Surface Tension, Wetting & Capillarity**  
Led by Prof. Abraham Marmur of Technion Israel Institute of Technology

Course outlines available at [www.imiconf.com](http://www.imiconf.com) or email Al Keene for details [al@imiconf.com](mailto:al@imiconf.com)



All photos courtesy of Baltimore Area Convention & Visitors Bureau

## 6<sup>th</sup> Annual Security Printing Conference

- Brand Protection
  - Commercial Documents  
(Tickets, Corporate ID's, Bonds, Contracts, Etc.)
  - Government Issue Documents  
(ID's, Passports, Licenses, Etc.)
- November 16-18, 2009**

The challenges of today's economy make it all the more important to prevent the economic losses associated with counterfeited products, documents, ID's, etc. The ability to avoid losses, to identify fraudulent products/documents and to recover losses are all activities for which companies and agencies are willing to invest in to increase their sales, profits and ROI's. Thus, all end users and security technology providers need to be identifying new solutions, establishing new contacts and pursuing options to improve their sales and profitability.

Rapid advancements in all aspects of security printing and security features plus the international focus on all aspects of security in today's world have created a rapidly growing demand for physical, document and identification security. Advancements in digital printing and technologies for incorporating security features, while spawning new modalities and efficiencies for security printing, have also enabled counterfeiters as well as legitimate issuers. From brand protection and secure access to ID's, tickets, travel documents, etc. - physical and digitally printed security images, features and data are converging in ways never before imagined. This convergence of once separate technologies is creating both challenges and market opportunities for effective integration of digital printing with physical security devices in a wide range of market specific applications.

IMI's **6<sup>th</sup> Annual Security Printing Conference** is designed to educate and inform industry leaders and technologists at all levels in the supply chain of security printing of the difficulties and business opportunities for combining digital and physical security printing on an application specific basis. If your business or products' future is dependent on finding effective ways to utilize physical features and digital security printing, or finding cost effective methods to stay ahead of counterfeiting, tampering and forgery, you will benefit from attending this conference.

Don't miss this opportunity for digital printing technologists, security agency personnel, security organizations, hardware vendors, consumables suppliers, converters, component/software suppliers and end users to communicate and address the urgent issue of product and document security.

## Digital Printing World 2010 Conferences

Crowne Plaza San Marcos Resort  
Chandler (Phoenix), Arizona



### 13<sup>th</sup> Annual Toner Printing Conference

February 1-3, 2010

### 21<sup>st</sup> Annual Thermal Printing Conference

February 1-3, 2010

### Ink Jet Academy: Theory of Ink Jet Technology

February 1-2, 2010

### 19<sup>th</sup> Annual Ink Jet Printing Conference

February 3-5, 2010

For the first time, *IMI's Digital Printing World 2010 Conferences* groups all three of its annual digital printing primary technology conference programs during the same week. IMI's programs are designed to enable attendees to obtain the latest technical, market and application information while allowing time to network with other attendees in a time and cost efficient manner. Attendance at IMI conferences enables attendees to meet with the digital printing industry's leading experts in a single location in a short time period maximizing information transfer efficiency and minimizing travel and time expenses.

While conventional printing declines, digital printing offers personalization, cost savings, improved output options and other opportunities to end users as the transition from an analog to digital world accelerates – which is being reflected in the growth of digital printing applications and opportunities. *IMI's Digital Printing World 2010 Conferences* provides programs and formats to obtain a timely update and understanding of key digital printing technologies, markets and applications which are key to your product and market success.

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**Call for Papers  
Submit Proposed  
Presentation Titles & Brief Outlines to  
Al Keene [al@imiconf.com](mailto:al@imiconf.com)**

**For Latest Program Updates &  
To Register Online  
Visit IMI Web Site  
[www.imiconf.com](http://www.imiconf.com)**



## 17<sup>th</sup> Annual European Ink Jet Printing Conference

Wednesday 4<sup>th</sup> - Friday 6<sup>th</sup> 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 2<sup>nd</sup> - Tuesday 3<sup>rd</sup> 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 2<sup>nd</sup> - Tuesday 3<sup>rd</sup> 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.

## REGISTRATION INFORMATION:

### 6<sup>th</sup> Annual Security Printing Conference



Registration Fees: \$1095 per registrant  
\$995 for each additional registrant from same company when registered as a group

The registration fee includes attendance at all sessions, all scheduled program functions and the program reference materials. Cancellations will receive a 100% refund if made 72 hours prior to the start of the program. Substitutions may be made at any time. Cancellations made less than 72 hours prior to the start of the program will be charged a \$300 cancellation fee.

**To register**, submit the registration form with payment to Susan Vandrey, Conference Administrator, Information Management Institute, Inc., 1106 Valley Crossing, Carrabassett Valley, ME 04947 USA. You may reserve space by calling +1-207-235-2225, sending a fax to +1-207-235-2226 or by sending an email message to [imi@imiconf.com](mailto:imi@imiconf.com) or visiting our web site [www.imiconf.com](http://www.imiconf.com)

## REGISTRATION FORM

**6<sup>th</sup> Annual Security Printing Conference**  
**November 16-18, 2009**

**I want a Complimentary Display Space & 5-minute Suppliers' Forum presentation slot**

NAME \_\_\_\_\_

JOB TITLE \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

COUNTRY \_\_\_\_\_

PHONE \_\_\_\_\_ FAX: \_\_\_\_\_

EMAIL \_\_\_\_\_

I Want to Pay by Credit Card  Please Invoice Me

## Sheraton Baltimore City Center Hotel

IMI's **6<sup>th</sup> Annual Security Printing Conference** is being held at the Sheraton Baltimore City Center Hotel in Baltimore, Maryland. Hotel reservations are the responsibility of each meeting registrant & the special meeting rate is \$129 for single or double occupancy, you must call to make hotel reservations. **Early booking is advised** as the reduced rate is guaranteed only until October 26, 2009 and will on a space available basis after October 26<sup>th</sup>. You can make reservations by calling +1-866-837-5182 or online by going to <http://www.starwoodmeeting.comStarGroupsWebres?id=0908245748&key=1C123>

The hotel is located in the heart of Baltimore's thriving downtown business and cultural district and only a few blocks from Baltimore's famous Inner Harbor, National Aquarium, Science Center plus exciting shopping, dining and historical sites – yet only 10 miles from Baltimore Washington International Airport (Airport shuttle service available via SuperShuttle upon arrival at BWI Airport). Hotel amenities include complimentary high speed internet in the sleeping rooms, self & valet parking for \$18 daily (normally \$28/\$35), Sheraton Sweet Sleeper bed and 24 hour fitness center. The Sheraton Baltimore City Center Hotel is home to popular Baltimore eateries – Shula's Steak House (one of America's top-rated steak houses) and Shula's 2 (sports bar).

All checks should be in U.S. dollars drawn on a U.S. bank and made payable to Information Management Institute, Inc. An invoice with bank transfer details for IMI's U.S. or European bank account will be provided upon request.

## Don't Miss IMI's Other Upcoming Programs

**Ink Jet Academy: Practice of Ink Jet Technology**  
**October 19-22, 2009**  
Letchworth, UK

**Ink Jet Academy: Theory of Ink Jet Technology**  
**November 2-3, 2009**

**17<sup>th</sup> Annual European Ink Jet Printing Conference**  
**November 4-6, 2009**  
Fira Palace Hotel  
Barcelona, Spain

**Ink Jet Academy: Theory of Ink Jet Technology**  
**February 1-2, 2010**

**13<sup>th</sup> Annual Toner Printing Conference**  
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**21<sup>st</sup> Annual Thermal Printing Conference**  
**February 1-3, 2010**

**19<sup>th</sup> Annual Ink Jet Printing Conference**  
**February 4-6, 2010**

Crowne Plaza San Marcos Resort  
Chandler (Phoenix), Arizona, USA

**3<sup>rd</sup> Digital Printing Presses - The Next Era - Conference**  
Dates & U.S. Location to be Announced  
**Spring, 2010**

The Sheraton Baltimore City Center Hotel address is:

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