



**3<sup>rd</sup> Annual  
Ink Jet Technology Integration  
Symposium  
October 15-16, 2007  
Crowne Plaza Hotel Mid-Peninsula  
Foster City (San Francisco), California**



Utilization of ink jet technology has rapidly expanded beyond the traditional printing applications. Rapidly developing usage in materials deposition, 3D modeling, micro-dispensing, manufacturing processes, etc. is continually increasing the demands and challenges faced by ink jet technology innovators. The development of ink jet technology into useful tools for this wide array of applications requires the skills of many varied disciplines as well as the successful integration of the ink jet engine with the fluid handling, substrate manipulation, software and other specialized system components.

IMI's **3<sup>rd</sup> Ink Jet Technology Integration Symposium** will bring together leading experts in all aspects of ink jet technology and the various subsystems required to develop successful ink jet based prototype and production systems for the ever increasing applications being evaluated and implemented. Definition of the integration process as well as the necessary components and integration disciplines will be addressed along with the development tools available to assist in the integration process. Also, case studies of successful ink jet based products for a wide variety of applications will be presented to demonstrate the real world implementation of ink jet technology for diverse applications.

**Conference Displays & Suppliers' Forum**

IMI's **3<sup>rd</sup> Ink Jet Technology Integration Symposium** 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 10-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 above and fax to +1-207-235-2226 OR send an email to [al@imiconf.com](mailto:al@imiconf.com)**

**Symposium Chairman  
Dr. Ross N. Mills,  
Chief Technology Officer  
iTi  
Boulder, Colorado**

**For Latest Program Updates &  
To Register Online**

Visit IMI Web Site  
**[www.imiconf.com](http://www.imiconf.com)**



# 3<sup>rd</sup> Annual Ink Jet Technology Integration Symposium

Crowne Plaza Mid-Peninsula  
Foster City (San Francisco), California

**October 15-16, 2007**

## Monday, October 15, 2007

12:00 Noon Registration

1:30 p.m. Opening Session

### What Is Integration & Why Is It Necessary?

#### WELCOME AND INTRODUCTIONS

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

Dr. Ross N. Mills, Chairman & Chief Technology Officer, imaging Technology international, Boulder, Colorado

#### THE INTEGRATION PROCESS

Dr. Ross N. Mills, Chairman & Chief Technology Officer, imaging Technology international, Boulder, Colorado

- What Is Ink Jet Integration
- Systems Components (Printheads, Fluids, Electronics, Mechanics, Etc.)
- Defining Design and Process Parameters
- Choosing Technology and Components
- Establishing Performance Targets
- Determining Realistic Time/Cost Goals & Schedules
- Measuring Results

#### THE "INNOCENT" INK JET CONSUMER GOODS INTEGRATOR: ANECDOTES & LESSONS LEARNED

Marco Boer, Consultant, I.T. Strategies, Hanover, Massachusetts

- The "Innocent" Ink Jet Consumer Goods Integrator Defined
- The Spark That Ignites Fascination With Ink Jet: Changes In Business Necessitating New Invention
- The Ink Jet Integration Discovery Process: From Home Grown Systems To Outsourced Feasibility Study
- The Hierarchy & Budget Stumble
- Launch Time: Now What Do We Do With It?
- Lessons Learned
  - Asking The Right Questions Up Front
  - Managing Expectations
  - Championing The Project Through The Crucible

#### INK JET SOFTWARE & HARDWARE INTEGRATION CHALLENGES & SOLUTIONS

Yuan Chang, Vice President of R&D, Amica Software, Irvine, California

- Integration Process & Challenges
- Software, Hardware & Mechanical Integration Issues
- MEMS Technology Printhead Development Issues
- Grayscale Print Head Challenges
- Ink Jet Printhead Technologies & Available Controllers
- Meniscus Control
- Proven Hardware Integration Solutions For Dimatix, Ricoh, Konica Minolta, Xaar & Toshiba Printheads

5:30 p.m. Reception

## Tuesday, October 16, 2007

7:30 a.m. Continental Breakfast

### 8:30 a.m. Fluids integration & Suppliers Forum

#### INTEGRATION OF NEW FLUIDS FOR RELIABLE INK JET SOLUTIONS TO MEET NEW APPLICATION REQUIREMENTS

Dr. Alan Hudd, President & CTO, Xennia Technology Ltd., Royston, Hertfordshire, UK

- The Ink Jet Proposition: No Longer About Short Run Operations & Customization – It's Simplifying Manufacturing Processes
- Current Industrial Ink Jet Performance Envelope
  - Throughput Vs. Resolution : The Ink Jet Compromise
  - Fixed Array Web Based Systems Vs. XY Flatbed Systems: Is There An Alternative?
- Ink Jet Chemistry: Scope & Range Of New Fluids Deposition
  - What Can Be Ink Jet Dispensed?
- Industrial Ink Jet Strength = Reliability
  - Head, Ink & System Issues
  - Managing Reliability
- Ink Jet & Application: Industrial Markets
  - Myriad Of Niche Fragmented Applications
  - Decoration, Packaging, Displays & Printed Electronics Is Just A Start

## Suppliers' Forum

The Suppliers' Forum, a popular component of IMI programs, features ten minute Presentations Related To Technology, Capabilities, Services, New Product Introductions, etc. The Suppliers' Forum is open to all Symposium Registrants.

12:00 Noon Luncheon

1:30 p.m. **UV Curing & Real World Implementation**

### **INTEGRATION OF UV CURING CAN EXPAND APPLICATIONS**

Alan Mills, Business Development Manager, Nordson UV, Slough, Berks, UK

- UV Curing Technology Options Overview
- Challenges Faced With UV In Ink Jet Applications
- Methods For Reducing Heat Output
- Single Pass Web Machines Are The Future – Hence Higher Power/More Efficient UV Systems Are Required
- Successful Implementations Review

### **SUCCESSFUL INK JET INTEGRATION DRIVEN BY OUTPUT REQUIREMENTS**

Bill Buskirk, President, ImTech, Corvallis, Oregon

- Primary Objective In Any Printing Technology Is Output
- Challenges Using Ink Jet In Industrial Applications
- Starting With Output & Working "Backward" Through The Design
- Available Methodologies & Components
- Tradeoffs That Usually Challenge Each Application
- How An Optimum Result Can Be Achieved

### **OPEN DISCUSSION WITH THE SYMPOSIUM LEADERS**

Symposium Leaders will present case studies of successful implementations and lead discussion of issues involved through the integration process

- Questions (Yes) and Answers (Maybe)
- Everything You Want To Know But Were Afraid To Ask About Ink Jet

5:00 p.m. Adjournment



## Don't Miss IMI's Upcoming Programs

### **3rd Ink Jet Technology Integration Symposium**

October 15-16, 2007  
San Francisco, California

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

October 29-30, 2007  
Baltimore, Maryland

### **4th Security Printing Conference**

October 31-November 2, 2007  
Baltimore, Maryland

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

November 5-6, 2007  
Barcelona, Spain

### **UV Ink Jet Printing Course**

November 5-6, 2007  
Barcelona, Spain

### **15th Annual European Ink Jet Printing Conference**

November 7-9, 2007  
Barcelona, Spain

### **Ink Jet Academy: Practice of Ink Jet Technology**

November 19-22, 2007  
Manchester, UK

### **Digital Printing Presses - The Next Era Conference**

December 3-5, 2007  
Orlando, Florida

### **3rd Engineered Fine & NanoParticle Applications Conf**

December 5-7, 2007  
Orlando, Florida

### **11th Toner & Toner Chemicals Conference**

January 30 - February 1, 2008  
Orlando, Florida

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

February 4-5, 2008  
Orlando, Florida

### **17th Ink Jet Printing Conference**

February 6-8, 2008  
Orlando, Florida

### **19th Thermal Printing Conference**

May 19-21, 2008  
Mesa, Arizona

### **2nd RFID Technology Integration Symposium**

May 19-21, 2008  
Mesa, Arizona

### **Ink Jet Academy: Theory of Ink Jet Technology Ink Jet Components, Consumables, Equipments India 2008**

June 26-28, 2008  
New Delhi, India

### **Ink Jet Technology Suppliers Showcase 2008**

Spring 2008  
U.S. Location to be Announced

# REGISTRATION INFORMATION: 3<sup>rd</sup> Annual Ink Jet Technology Integration Symposium



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 binder/CD. 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, but will receive a copy of the conference binder/CD.

**To register**, submit the registration form with payment to Susan Meldrum, 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

**3<sup>rd</sup> Ink Jet Technology Integration Symposium**  
October 15-16, 2006

**Check here to reserve a free display space and a 5-minute Suppliers' Forum presentation.**

NAME \_\_\_\_\_

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

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

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

COUNTRY \_\_\_\_\_

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

EMAIL \_\_\_\_\_

I Want to Pay by Credit Card  Please Invoice Me

### Crowne Plaza Hotel Mid-Peninsula Information

IMI's **3<sup>rd</sup> Ink Jet Technology Integration Symposium** is being held at the Crown Plaza Hotel Mid-Peninsula in Foster City (San Francisco area), California. Hotel reservations are the responsibility of each meeting registrant. To receive the special meeting rate of \$149 for single or double occupancy – **Call +1-650-570-5700 – Ask for Reservations AND REQUEST GROUP BOOKING CODE JIS to receive the group rate. Early booking is advised** as the reduced rate is guaranteed only until September 30, 2007.

**To make hotel reservations online**, go to the Crowne Plaza – Mid Peninsula Web site [www.crowneplaza.com/sfo-peninsula](http://www.crowneplaza.com/sfo-peninsula) and

1. Click on "Book Online" near top right center of screen
2. On next screen – Fill in Traveler Dates and Traveler Information
3. Expand information under "Corporate, Group & IATA Identification by clicking on + sign
4. Enter **JIS** in Group Booking Code field
5. Scroll down to bottom and click on "FIND HOTELS"  
This take you to screen where you may select the desired room and proceed through reservation procedure.

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.