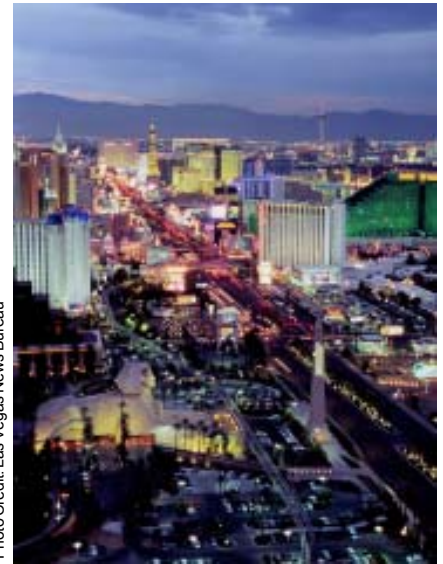


1st Ink Jet Technology Integration Symposium

October 24-25, 2005
Tuscany Suites & Casino
Las Vegas, Nevada

Photo Credit: Las Vegas News Bureau



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 **1st 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.

Monday, October 24, 2005

11:00 a.m. Symposium Registration

1:00 p.m. **What Is Integration & Why Is It Necessary?**

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

INK JET INTEGRATION: A PRINT HEAD MANUFACTURERS' PERSPECTIVE

Dr. John Attard, Business Development, Xaar plc, Cambridge, UK

- Development Tools
- Integration Process
- Integrators Program
- Role Of Integrators For New Business Development

PUTTING THE INK IN INK JET

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

- Variety Of Piezo Ink Jet Ink Formulations
- The Ink Formulator's Perspective
- View From Conventional Ink Business Sector
- Challenges In Ink Jet Formulation
- Established Ink Jet Markets
- Emerging Markets

INK JET INTEGRATION – BEYOND THE BASICS: TRANSFERRING “OUR KNOW HOW” TO INDUSTRY APPLICATIONS

Ed Freyenhagen, Manager System Integration, Aellora Digital, Keene, New Hampshire

- Basics: Inks For Specific Materials, Product Presentation & Control, Cure/Drying Options
- Understanding The Application(s): Image Quality Expectations, Productivity Requirements, System Availability, Budgeted Funds, Existing Process Flow, Operator & Maintenance Personnel Skills
- Potential Solutions: In-Line Vs. Off-Line; Integration Into Existing Production Line Vs. Building New; Single Pass Vs. Multi Pass; Horizontal Vs. Vertical Printing
- Developing Solution Suited For Multiple Applications
- Moving The Potential Customer Into “The Digital World”

5:30 p.m. Reception

Tuesday, October 25, 2005

7:30 a.m. Continental Breakfast

8:30 a.m. **Development Tools**

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
- Ink Jet Chemistry: Scope & Range – What Can Be Ink Jet Dispensed?
- Industrial Ink Jet Strength = Reliability
- Ink Jet & Application: Industrial Markets
 - Myriad Of Niche Fragmented Applications
 - Decoration, Packaging, Displays & Printed Electronics Are Just A Start

UV CURING DEVELOPMENTS CAN EXPAND APPLICATIONS

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

- Challenges For 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
- UV Systems For Super-Wide Format

LEADING EDGE INK JET SYSTEM APPLICATIONS REQUIRING NOVEL INTEGRATION SOLUTIONS

Howard Baldwin, Vice President Sales, Spectra, Inc., Lebanon, New Hampshire

- Food Printing
- Materials Deposition
- Potential Of High Speed Graphical Applications

12:00 Noon Luncheon

1:30 p.m. **Ink Jet Integration Results**

HIGH SPEED INK JET FOR AUTO ID SOLUTIONS

Craig Heidorn, Product Manager, Diagraph, An ITW Company, St. Charles, Missouri

- Applications Include:
 - UPC, SCC-14 & UCC/EAN 128 Bar Codes @ 200 FPM
 - Printing On RFID Tags @ 120 PPM
- Integration Issues, Challenges & Solutions
- Development Needs To Expand Applications

Additional Case Studies to be Announced

PANEL DISCUSSION - INTEGRATION GOES BEYOND TECHNOLOGY

Moderator: Dr. Ross N. Mills

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

4:30 p.m. Adjournment

To Register Online
Visit IMI Web Site
www.imiconf.com

REGISTRATION INFORMATION: 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 for this program, 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 or visiting our web site www.imiconf.com

REGISTRATION FORM

1st Ink Jet Technology Integration Symposium

October 24-25, 2005

Check here to reserve a free display space

NAME _____

JOB TITLE _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

COUNTRY _____

PHONE _____ FAX: _____

EMAIL _____

TUSCANY SUITES RESERVATION INFORMATION

IMI's Fall 2005 programs are being held at Tuscany Suites Hotel & Casino, Las Vegas, Nevada. Hotel reservations are the responsibility of each meeting registrant. To receive the special meeting rate of \$99 for single or double occupancy – **YOU MUST Reference GROUP NUMBER 1103N9 when making your reservation. Early booking is advised** as the reduced rate is guaranteed only until October 3, 2005. Phone +1-877-887-2261 or +1-702-8933 to make hotel reservations.

The Tuscany Suites Hotel is a totally suite property conveniently located just off the Las Vegas Strip on 27 acres of plush landscape, pools and gardens. Just a short taxi ride from the McCarran International Airport, the Tuscany Suites Hotel offers spacious guest suites featuring many deluxe amenities - all in a lovely setting to provide a great sense of relaxation and privacy.

Recreational amenities at the Tuscany Hotel include a lagoon style pool, fitness center and casino. The Tuscany Suites Hotel & Casino plus the Las Vegas area provide an excellent opportunity to extend your visit into a memorable vacation experience. Dress for IMI's programs will be casual.

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.

FREE DISPLAY OPPORTUNITY

If you have a product or service that can be utilized in the area of ink jet technology integration, you can have a free display at **IMI's 1st Ink Jet Technology Integration Symposium**.

IMI will cooperate with all interested parties to provide appropriate space so products can be displayed and demonstrated as part of this symposium. **There is no fee in addition to the symposium registration fee to have a display.**

To reserve your **FREE DISPLAY** space, please register online and check off the box indicating your participation in the Trade Fair OR complete the registration form above and fax it to +1-207-235-2226 OR send an email to al@imiconf.com

Don't Miss IMI's Other Fall 2005 Programs

Other IMI Programs at Tuscany Suite-Las Vegas, NV

1st Ink Jet Technology Integration Symposium

October 24-25, 2005

1st RFID Technology Integration Symposium

November 14-15, 2005

Paper-Like Displays Course

November 14-15, 2005

3rd Paper-Like Displays Conference

November 16-18, 2005

IMI Europe Programs in Lisbon, Portugal

UV Ink Jet Course

November 7-8, 2005

Ink Jet Academy: Theory of Ink Jet Technology

November 7-8, 2005

13th Annual European Ink Jet Printing Conference

November 8-11, 2005

Visit www.imiconf.com or www.imieurope.com for program and registration details