



Inkjet Conference 2023

May 18-19, 2023

Inkjet Innovation Academy

May 16-17, 2023

Inkjet Academy (See Page 2)

Additional Courses TBA

The Florida Hotel & Conference Center
Orlando, Florida

The IMI **Inkjet Conference 2023**, is the inkjet industry's annual flagship strategic conference, will be May 18-19, 2023 at The Florida Hotel & Conference Center in Orlando, Florida. Trusted as a primary source of high value information by the inkjet industry's executive and technology innovators for 30+ years; the program addresses the most recent innovations, trends, and issues critical to inkjet's applications expansion and market growth.

With inkjet's rapid pace of technology developments, applications expansion, and increasing market potential - it is all the more important than ever for you to keep up to date thus enabling maximization of your participation, success, and profitability in the inkjet industry.

IMI's **Inkjet Conference 2023** along with learning opportunities at the **Inkjet Innovation Academy** courses will provide improved understanding of ongoing developments and the ability to capitalize on the business opportunities being generated by inkjet and related technologies' advancements. **If you are interested in speaking opportunities at IMI programs - contact al@imiconf.com**

This two-day event includes the following elements:- **keys to your future success**

- Updates & views from industry pacesetters
- Societal, consumer & industry trends shaping inkjet industry
- Market & opportunity perspectives from industry experts
- Perspectives from key end users
- New technology needs & introductions from inkjet innovators
- Networking lunches, breaks & reception
- Complimentary display space
- Suppliers Forum presentation opportunity
- Sponsorship opportunities

Call for Papers

Submit Proposed Presentation
Titles & Brief Outlines to
Al Keene al@imiconf.com

Complimentary Displays & Suppliers' Forum plus Sponsorships

IMI's **Inkjet Conference 2023** and **Inkjet Innovation Academy** provide opportunities for complimentary display space to showcase your products, technology, or services. Also, the **Inkjet Conference 2023** provides 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 throughout the programs. **There is no fee in addition to the standard program registration fees to have a display and/or give Suppliers' Forum presentations. To reserve your display space and Suppliers' Forum presentation slots, please register online and check off the boxes indicating your participation OR complete the registration form in this flyer and fax to +1-207-560-9119 OR email al@imiconf.com**

For details on sponsorship opportunities, contact Al Keene al@imiconf.com



Inkjet Academy

The Florida Hotel & Conference Center
Orlando, Florida
May 16-17, 2023

Inkjet Innovation Academy

Understanding the basics is essential to any industry's development. The **Inkjet Academy** one-and-a-half-day course introduces and discusses the technology behind the many types of inkjet printers used today and aims to give your understanding of the industry an expert start by introducing and reinforcing concepts which are even further expanded in other IMI innovation academy courses.

Based on proven content but updated significantly in 2022/2023 to use plenty of practical examples from DoDxAct's unique laboratory, the **Inkjet Academy** course will explain printheads of different types, the materials used in their fabrication, and the introductory theory of their operation. You will also learn a little about ink types and properties, how inks are broadly formulated and used and why they are sometimes more challenging than inks for other print technologies. The ink supply systems and other crucial integration topics are also discussed to explain the importance of the system approach to inkjet application success for different markets. The course finishes with a discussion on established and developing applications/markets including a section on case-studies of different machines, highlighting what motivates the OEM design choices.

Presented by inkjet industry leading expert Dr. Mark Bale of DoDxAct, the course is designed to provide useful background information for anyone entering the inkjet industry, seeking an update on today's technology, or looking for further fields of development.

Tuesday, May 16, 2023

1:00 pm Registration
1:30 pm Opening Session

Introduction to inkjet

- Course outline
- Evolution of inkjet markets
- Overview of inkjet technology & printhead introduction
- Introduction to ink types & key differences
- Ink materials & formulations
- Printhead-ink-substrate interactions

Industrial inkjet printheads

- De-mystifying printhead specs
- Real printheads by type & manufacturer
- Bulk, thin film, & MEMS explained
- Choosing a printhead starting from the application performance

6:00 pm Networking Reception

Wednesday, May 17, 2023

8:00 am Session 2

Inkjet inks & testing

- Overview of ink physical differences by ejection process
- Ink properties for jetting and wetting
- Particles & the importance of dispersion
- Manufacturing & quality assurance
- Lab testing methods in formulation

Inkjet system & components

- Overview of factors influencing print quality
- Ink & substrate
- Ink supply system design
- Printhead integration - mechanics, failure, & maintenance
- Role of hardware & software
- Motion & drop placement
- Print quality metrics

12:00 Noon Networking Lunch

1:00 pm Session 3

Industrial inkjet markets & applications

- The digital proposition & benefits
- Development through collaboration
- Example markets addressed by inkjet: Graphics, ceramics, textiles, packaging, & beyond
- Where is inkjet going?
- Sustainability

Case studies & trends - What it takes!

- Graphics & textiles
- Single pass & packaging
- Offset inkjet
- Ceramic tiles
- 3D printing

4:00 pm Adjournment

Course Leader

Dr. Mark Bale, Director, DoDxAct, Binegar, Somerset, UK

Mark Bale is a PhD qualified Physicist who started DoDxAct Ltd in 2017 in order to provide practical support to those developing technology for the industrial inkjet printing industry based on independent laboratory facilities. Specialising in print heads, inks and the optimisation of print process, Mark is recognised by leading vendors of inks, printheads, printers, and components as someone who can enable their technology in the market and support their customers to success. DoDxAct's clients list comprises start-ups to globally recognised brands, spanning 4 continents with the common goal of getting the most out of their inkjet products or applications.

After starting his career in Oxford and Cambridge University spin-off companies Opsys and CDT, Mark got into inkjet by helping develop the process to print OLED displays, including the print strategy & metrology to optimise the uniformity. Mark then worked with Sun Chemical for over 10 years, ultimately leading a team that supported the integration of cutting-edge inkjet ink developments of all types into OEM customers of their SunJet branded and private labelled products.

**Dr. Mark Bale
DoDxAct**



Inkjet Innovation Academy

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Additional Courses TBA

**For Latest Program
Updates &
To Register Online
www.imiconf.com**

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Inkjet Innovation Group

www.linkedin.com/groups/12163161/





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Thursday, May 18, 2023

8:00 a.m. Registration

9:00 a.m. Opening Session

The Inkjet Industry Going Forward

Welcome & Introductions

Alvin G. Keene, President, IMI, Carrabassett Valley, Maine

Inkjet industry structure & dynamics

- Inkjet's marketplace status & penetration
- Market size & structure
- Technology & product trend
- Expanding applications development needs & trends
- Inkjet's future in manufacturing/production environments

12:00 Noon Networking Luncheon

1:30 p.m. Session 2

Trends & Initiatives driving inkjet innovations

- Digital Commerce
- Product personalization & mass customization
- Reshoring & love for local
- Sustainability: Balance between environment, equity, & economy
 - Bio-based & renewable materials
 - Energy conservation & efficiency
 - Environmental impact
 - Resource conservation & recycling
- Technology challenges, hurdles, & breakthroughs

Suppliers' Forum: 5-minute presentations related to inkjet technologies, capabilities, services, new product introductions, etc. FMI al@imiconf.com - check box on registration form.

6:00 p.m. Networking Reception in Display Area

Friday, May 19, 2023

8:30 a.m. Session 3

Technology developments & innovations facilitating inkjet growth

- Printhead developments to improve quality & operational efficiency
- Improvements in design & integration tools
- Evaluation, testing, & monitoring systems to improve performance
- Efforts to lower cost of ownership
- Print & deposition quality improvements
- Subsystem & housekeeping advancements
- Materials developments to expand applications
- Opportunities for future technology developments

2:00 Noon Networking Luncheon

1:30 p.m. Session 4

Inkjet technology innovations in successful applications

- 3D printing & additive manufacturing
- Manufacturing processes
- Materials deposition
- Medical, biomedical, & dispensing
- Packaging
- Printed electronics & displays
- Product decoration
- Smart factories & Industry 4.0
- Textile dyeing, printing, & decoration
- & the list goes on!

4:00 p.m. Adjournment

Inkjet Universe Sponsors



PALL CORPORATION

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REGISTRATION INFORMATION

Inkjet Conference 2023

Registration Fees: \$1295 per registrant
1195 for each additional registrant from same organization

Academic Registration \$695 per registrant

Inkjet Innovation Academy

Registration Fees: \$1295 per registrant per course
\$1195 for each additional registrant from same organization

Academic Registration \$695 per registrant



All registration fees include attendance at all conference or course sessions, all scheduled event functions, and an electronic copy of the reference materials for the conference or course for which you are registered.

Cancellations will receive a 100% credit toward a future IMI program if made 5 days prior to the start of the program. Substitutions may be made at any time. Cancellations made less than 5 days prior to the start of the conference will not receive a credit but will receive an electronic copy of all reference materials for the conference or course for which you have registered.

To register, complete online registration at www.imiconf.com OR submit the registration form below to Susan Vandrey, Conference Administrator, Information Management Institute, Inc., 1106 Valley Crossing, Carrabasset Valley, ME 04947 USA. You may reserve space by phone +1-207-235-2225, fax +1-207-560-9119 or email imi@imiconf.com

Inkjet Conference 2023 and Inkjet Innovation Academy Registration Form

Inkjet Conference 2023
May 18-19, 2023

Inkjet Academy
May 16-17, 2023

Additional Courses TBA

Academic Registration

I wish to reserve a

Display Space

Suppliers' Forum slot (NOT for Inkjet Innovation Academy)

Please send me information on
Sponsorship Opportunities

Mr. ___ Ms. ___ Miss ___ Mrs. ___ Dr. ___

NAME _____

JOB TITLE _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

COUNTRY _____

PHONE _____ FAX: _____

EMAIL _____

I Want to Pay by Credit Card

Please Invoice Me

The Florida Hotel & Conference Center

IMI's [Inkjet Conference 2023](#) & [Inkjet Innovation Academy](#) are being held at the The Florida Hotel & Conference Center in Orlando, Florida - A Trip Advisor Award of Excellence winner & currently rated #3 Trip Advisor traveler ranked hotel in Orlando.

Hotel reservations are the responsibility of each meeting registrant. **Early booking is advised** as the special meeting rate of \$139 (**Daily service fee included in this rate**) for single or double occupancy is guaranteed **only until April 24, 2023**. After that date, the group meeting rate will be on a space available basis.

To make online hotel reservations – Go to
<https://tinyurl.com/IMIHOTEL5-2023>

Phone reservations can be made by calling The Florida Hotel & Conference Center Reservations at +1-800-588-4656 or +1-407-859-1500. You must identify yourself as attendees of "IMI Inkjet Printing Programs" to obtain the \$139 group rate which will assure that you receive the conference rate and that the daily service fee is included in your conference rate. You may also contact Hotel Reservations via email at reservations@thefloridahotelorlando.com

The Florida Hotel & Conference Center is conveniently located 7 miles from Orlando International Airport with multiple shuttle services, taxis, and Uber/Lyft services available.

Conveniently connected to The Florida Mall (Orlando's largest retail shopping venue), The Florida Hotel & Conference Center provides walking access to over 250 dining, retail opportunities. The hotel's over 500 guest rooms provide a comfortable setting for your IMI conference experience.

The Florida Hotel & Conference Center, Greater Orlando area, and the state of Florida offer tremendous opportunities to combine your IMI conference participation with a quick weekend or longer vacation to enjoy the warmth and attractions of interest to all.

The Florida Hotel & Conference Center address is:
1500 Sand Lake Road
Orlando, FL 32809
GPS Address: 8001 S. Orange Blossom Trail
Phone: +1-407-859-1500
Fax: +1-407-855-9863
Web Site www.thefloridahotelorlando.com