



Inkjet Conference 2022

May 4-5, 2022

(See Pages 5-9)

Inkjet Innovation Academy

Industrial Inkjet System Design Course (See Page 2)

Inkjet Academy (See Page 3)

Inkjet Printed Electronics

Evaluation & Opportunities Course (See Page 4)

May 2-3, 2022

The Florida Hotel & Conference Center

Orlando, Florida

IMI's **Inkjet Conference 2022** will be an in-person conference. With the lack of networking and one-to-one interaction during the COVID pandemic plus inkjet's technology developments, applications expansion, and increasing market potential - it is all the more important for you to keep up to date to maximize your participation, success, and profitability in the inkjet industry.

IMI's **Inkjet Conference 2022** is the inkjet industry's flagship strategic conference, trusted as a primary source of high value information by the industry's executive and technology innovators for 25+ years. The program addresses the most recent innovations, trends, and issues critical to continued adoption, growth, and expansion of inkjet printing applications and markets.

The **Inkjet Conference 2022** 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

Complimentary Displays & Suppliers' Forum plus Sponsorships

IMI's **Inkjet Conference 2022** and **Inkjet Innovation Academy** provide opportunities for complimentary display space to showcase your products, technology, or services. Also, the **Inkjet Conference 2022** 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 Innovation Academy

Industrial Inkjet System Design Course

The Florida Hotel & Conference Center

Orlando, Florida

May 2-3, 2022

IMI's **Industrial Inkjet System Design Course** provides an essential grounding in inkjet technologies and the possibilities for the use of inkjet in industrial applications. The course then progresses with a step-by-step proven process to help research, development, product management, and executive personnel understand how inkjet can be a beneficial process in a multi-step manufacturing line; connecting the dots between an initial idea, to feasibility studies, to development engineering, system design, and ultimately to production line implementation.

Inkjet has the potential to be used in a vast variety of markets and applications, in the industrial manufacturing space including 3D printing, direct-to-shape, automotive, aerospace, biotechnology, electronics, consumer goods, medical, pharmaceutical, textile as well as numerous other applications. The **Industrial Inkjet System Design Course** will explore how to set up a successful development program to assess, develop and implement an inkjet system for a specific end use. Factors including process, flow, speed, substrate, print quality, ink type, pre and post print necessities, curing and user interfaces are just a few examples of the covered considerations that are pertinent to an industrial inkjet system design.

Since there are, commonly, no off-the-shelf print systems that a manufacturing company can simply review and buy, it is up to users to decide for themselves whether inkjet technology is a fit for them technically, economically, and for process productivity. It is also up to them to specify, build, test, and implement a system. Thus, it is highly important to have a preliminary understanding of inkjet and an ability to ask the right questions when creating an industrial system design as well as understanding the challenges of using inkjet in a manufacturing environment.

The future possibilities of inkjet technology are expansive, and exciting! IMI's **Industrial Inkjet System Design Course**, led by Dr. Rich Baker, President of Integrity Ink Jet Integration provides guidance and practical experience to people considering using inkjet as an industrial manufacturing process.

Monday, May 2, 2022

1:00 pm Registration

1:30 pm Opening Session

What is inkjet? Technologies, how it works, limitations

- Inkjet technology fundamentals
- Nuances of printhead designs
- Comparing specifications

Attractiveness of inkjet

- Inkjet traits that are unique
- Nuances of printhead designs
- How they can be useful in various industrial manufacturing processes

Peripheral technologies important in inkjet process development

- Printhead evaluation & assessment
- Pretreatments: Corona & plasma
- Curing: UV, IR, RF, pulsed light, acoustic drying
- Motion control
- Substrate/product feed & handling options
- Print/Image testing & evaluation

6:00 pm Networking Reception

Tuesday, May 3, 2022

8:00 am Session 2

Setting up a development program: Feasibility, development, optimization, implementation, improvement

- Selecting the team (Roles & responsibilities)
- Setting expectations
- Utilizing outside experience
- Phasing the program
- Costs & typical challenges

Inkjet application challenges & solutions (Or at least approaches....and when to give up!)

- Inks & process
- Drive electronics & data paths
- Color RIPs & image quality
- Mechanical tolerances and error budgets
- Mitigating image defects
- Increasing uptime & system availability

12:00 Noon Networking Lunch

1:00 pm Session 3

Example test cases

- How specific challenges were identified, addressed and overcome

Emerging applications

- 3D printing/additive manufacturing
- Bio printing
- Food printing
- Functional materials
- Labels
- Packaging
- Pharmaceuticals
- Printed electronics
- Textiles
- & more!

Developing a system design strategy

Open discussion of participants' potential applications

4:00 pm Adjournment

Dr. Rich Baker
Integrity Industrial
Inkjet Integration



Industrial Inkjet System Design Course Leader

Dr. Rich Baker, President, Integrity Industrial Inkjet Integration, West Lebanon, New Hampshire

Dr. Rich Baker is President of Integrity Industrial Inkjet Integration, a company that designs and fabricates bespoke industrial ink jet print systems for end user production lines. Integrity has built print systems for numerous companies. Systems range from printing onto individual flat products to contoured direct to shape surfaces to web-based products, and covers applications including, high speed labels, food decoration, functional electronics, pharmaceutical & biotech deposition, window fashions, displays & touch screens and industrial 3D manufacturing. Integrity is printhead and ink agnostic, and integrates with technologies from all the major printhead and inks companies.

Prior to founding Integrity, Rich worked at FUJIFILM Dimatix for 14 years. As Director of Business Development at FUJIFILM Dimatix, he was responsible for fostering relationships between world leading ink companies, OEM systems integrators and end user customers, as well as founding and managing their Systems Integrations Group.

Before FUJIFILM Dimatix, Rich held the position of Chemical Products Manager at Markem-Image, where he was responsible for developing a wide variety of inkjet inks, including hot melt.

Rich has a PhD in Chemistry from the University of Massachusetts.



Inkjet Innovation Academy

Inkjet Academy

The Florida Hotel & Conference Center
Orlando, Florida
May 2-3, 2022

Understanding the basics is essential to any industry's development. The **Ink Jet Academy** one-and-a-half-day course covers the theory behind the many types of inkjet technology used today and aims to give your understanding of the industry an expert start.

The **Inkjet Academy** course will show you how printheads work, the materials used in their fabrication, and the theory of their operation. You will also learn how inks are formulated and used, as well as about ink supply and support systems. The course examines how drops are formed, travel, and behave on the substrate surface. Fundamental aspects of printer operation such as nozzle maintenance and print quality are also covered.

Presented by 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.

Monday, May 2, 2022

1:00 pm Registration

1:30 pm Opening Session

Introduction to inkjet

- Course overview
- Evolution of inkjet markets
- Types of inkjet technology & printhead introduction
 - Continuous
 - Drop on demand piezo & thermal
- Ink types & uses: Aqueous, solvent, oil, phase change, & UV cure
- Ink materials and formulations
- Printhead-ink-substrate interactions

Industrial inkjet printheads

- Printhead differences in more detail
- Real printheads explained
- De-mystifying printhead specs
- Drop ejection frequency, drop size, coverage, crosstalk, reliability, and life issues
- Choosing a printhead starting from the application performance
- Recent developments/announcements

Inkjet inks

- Inkjet ink design
- Understanding the process
- Particles & the importance of dispersion
- Manufacturing & quality assurance
- Lab testing methods
- Understanding droplet formation
- Properties influencing performance
- What is new?

6:00 pm Networking Reception

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Join our LinkedIn

Inkjet Innovation Group

www.linkedin.com/groups/12163161/

Tuesday, May 3, 2022

8:00 am Session 2

Creating a reliable industrial inkjet system

- Overview of a system
 - Ink supply design
 - Electronics & software
 - Motion systems
 - Drying & curing
- Managing system performance
 - Maintenance
 - Droplet quality & mist
 - Missing nozzle detection
 - Missing nozzle compensation
 - Maintaining image quality

12:00 Noon Networking Lunch

1:00 pm Session 3

Industrial inkjet markets & applications

- The digital proposition & benefits
- Industrial inkjet business model
- Infrastructure barriers to entry
- Some successful applications
- The numbers
- Where next?

Technology case studies

- High speed single pass
- Offset inkjet
- Direct-to-shape
- 3D printing (additive manufacturing)
- Bio & pharma

Trends & challenges for inkjet growth

- Ink costs
- High speed vs. high functionality
- Sustainability
- Production environment operation
- Meeting productivity & cost targets
- Is lead-free piezo needed?

4:00 pm Adjournment

Course Leader

Dr. Mark Bale, Director, DoDxAct, Binagar, 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 Opsy 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

Inkjet Printed Electronics Evaluation & Opportunities Course

The Florida Hotel & Conference Center
Orlando, Florida
May 2-3, 2022

Course Focus

IMI's **Inkjet Printed Electronics Evaluation & Opportunities** one-and-a-half-day course covers the rapid transition of printed electronics from niche markets to mainstream applications such as automotive components, displays, healthcare, RFID, sensors of all types, smart packaging, wearable technology, and many others.

Based on current technology and ongoing breakthrough research plus new and evolving advances, the **Inkjet Printed Electronics Evaluation & Opportunities** course will provide insights into printed applications needs and requirements as well as how inkjet can be most effectively utilized in printed electronics manufacturing scenarios. Understanding the basics is essential to any industry's development and this course will provide valuable insights and knowledge critical for inkjet's success in printed electronics.

Presented by industry expert George Gibson of G2 Tech Acceleration, the course is designed to provide useful u-to-date information for anyone evaluating inkjet's role in printed electronics, seeking an update on current and future technologies, or looking for promising fields of printed electronics research & development.

Monday, May 2, 2022

1:00 pm Registration

1:30 pm Opening Session

What constitutes printed electronics, why would anyone want to do that, & what applications are people working on?

- Why print electronics?
- What sorts of electronic components & assemblies are being printed?
- What are the critical properties for various applications?
- What techniques are used to print electronics & their characteristics?
- Why inkjet?

Electric & electronic device architectures

Testing methodologies

- Measuring quality of printed devices

Inkjet printheads: Horses for courses

- Printhead varieties & their operational characteristics
- Selecting a printhead for your application
 - Nozzle density, redundancy, & dot size
 - Waveforms & other driver concerns

Substrate choice considerations

- Fundamental types: Their electrical, physical, & chemical properties
- Considerations for print: Importance of base properties, surface topography, & surface energy
- Pretreatments: Physical, wet, & NOTICE dry chemical

6:00 pm Networking Reception

Tuesday, May 3, 2022

8:00 am Session 2

Inks and functional fluids

- Functional requirements
 - Rheology, jetting, & chemistries
 - Additive considerations
 - Manufacturing & handling

Fluid supply & management systems

Post processing: From printed patterns to functional devices

12:00 Noon Networking Lunch

1:00 pm Session 3

Putting it all together: Developing a system design strategy for your application

Current research directions & futures

Open discussion of participants potential applications

4:00 pm Adjournment

NOTICE

COURSE POSTPONEMENT

Due to a family medical emergency, George Gibson is unable to travel to present this course.

Information on rescheduling will be announced as soon available.

Course Leader

George Gibson, Managing Partner, G2 Tech Acceleration, Fairport, New York

Mr. Gibson is Managing Partner of G2 Tech Acceleration, a consultancy designed to assist companies: Find the right technology/ Put the technology into the right offering/Get it out of the lab and into the world/Manage your portfolio.

Innovate or die! A shark that stops moving dies – so does a company that stops innovating. As the pace of globalization of commerce accelerates you have more competitors including ones that want to make you obsolete. Many of the brightest minds in your field don't even work for you. How do you drive success?

There are four key imperatives

1. Pick the right technology.
2. Put that tech in offerings that create huge value for your customers.
3. Get those offerings out of the lab and into the market.
4. Create and manage a portfolio of innovation programs

Our practice has developed based on years of experience at the pointy end of innovation. We can advance your thinking and implementation in these critical arenas. There are 3 technology areas in which we have developed special expertise: Digital printing, Additive manufacturing and Sensors & the IoT.

Mr. Gibson spent over 25 years at Xerox, continually involved in bringing new technologies to technical maturity and to market. Prior to his career at Xerox, he ran the end-to-end consumables business for AM Graphics and was Manager, Toner Development for the Savin Corporation.

He holds a BA and MS in Chemistry from Binghamton University and an MBA from The Simon Graduate School of Business of the University of Rochester. He holds 60 US Patents, has published 20 articles in imaging, product development and decision theory and is a frequent lecturer in these domains.



George Gibson
G2 Tech Acceleration



Inkjet Conference 2022

The Florida Hotel & Conference Center
Orlando, Florida
May 4-5, 2022

Wednesday, May 4, 2022

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, ME

Inkjet markets status & review

Mark Hanley, President, I.T. Strategies, Hingham, MA

- Market sizes, projections, value, & positioning compared to analog by sector
 - Documents, books, & direct marketing
 - Packaging
 - Decorative
 - 3D printing
 - Other markets
- The new 5 year potential

Digital material deposition using inkjet

Dr. Rich Baker, President, Integrity Industrial Ink Jet Integration, West Lebanon, NH

- Inkjet attributes for industrial manufacturing technology: Pros & cons
- Inkjet materials deposition examples
- Use of inkjet in hybrid applications
- 2.5, 3D, & 4D deposition
- Multi-material deposition opportunities & challenges
- Future directions

Leveraging inkjet patent insights to stimulate new opportunities and advance your business

Dr. Adam Strevens, Director, i4inkjet, Athlone, Westmeath Ireland

- So-called new ideas stem from what has gone before, a necessity, & desire to improve
- Invention is creative and competitive
- How different industries use patent insights to develop their teams & technologies: Inkjet is no different
- 'Directions' – i4inkjets unique patent technology review service: 25th anniversary!
- Kinds of insight & information available from patents

Textile Industry drowning in pollution & accelerating climate change (>1.5C)

Dr. Alan Hudd, Chairman, Alchemie Technology, Duxford, Cambridgeshire, UK

- New way to reduce textile dyeing & finishing industry global emissions
- In the UK Queens 70-year Platinum Jubilee: Digital technology is set to bring about a (sustainable) "Textile Revolution"
- Pollution free digital dyeing & technical textiles with 85% energy reduction
- Reshoring to revitalize western textile manufacturing
- Textiles become a "Clean-Tech" industry for the next decade & beyond
- The future: Digital dyeing, digital printing, & digital technical textiles

12:00 Noon Networking Luncheon

- Program continues on next page -



Dr. Rich Baker
Integrity Industrial
Ink Jet Integration



Dr. Alan Hudd
Alchemie
Technology



Dr. Adam
Strevens
i4inkjet



Mark Hanley
IT Strategies

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

Inkjet Innovation Academy

1.5 day courses led by recognized industry experts
Critical information & insights not generally publically available
Reduces time to implementation
Saves "reinventing the wheel"
Check out Pages 2, 3, & 4!

Materials innovations enable inkjet applications expansion

The future of ink development

Terence Kenneth, Founder & CEO, Ink Intelligence, Weston, Florida

- Inkjet strengthens its footprint into print applications
- Expansion of everyday packaging, industrial applications & more
- Increasingly demanding ink performance criteria
- Importance & role of ink formulation to meet application requirements
- Industry trends: biomaterials, environmental impact, nanomaterials, sustainability
- Formulation strategies, testing, verification, & commercialization

Role & importance of wetting additives in inkjet printing's success

Dr. Kai Yang, Head of Applied Research & Technology – Printing Inks Americas, Evonik Corporation, Allentown, PA

- Why are wetting additives required?
- Traditional & developing wetting agent technologies
- Current challenges for wetting agents in inkjet printing
- Differences between static & dynamic wetting agents and their benefits
- Technology offerings & recommendations for major inkjet chemistries
 - Aqueous
 - Solvent
 - UV
- Future trends

Novel aqueous white pigment concentrate for inkjet applications

Juergen Bender, Market Development Manager Coatings, Inks & Paper, Global Marketing, KRONOS International, Leverkusen, Germany and Victor Rincon, Tech Service Manager – Americas, KRONOS Worldwide, Dallas, TX

- White TiO₂ pigments are used in various printing ink technologies & applications
- TiO₂ pigments demand for digital printing inks are increasing significantly
 - Primarily in packaging & textile applications
- Marketplace need for optimized white pigments to fulfil technical ink requirements
 - Excellent storage stability level
 - High opacity & whiteness in prints
- Novel white TiO₂ pigment concentrate tailored for water-based inkjet technologies
 - Exhibits wide compatibility range with various types of ink binders & additives
 - Complaint with Swiss Ordinance and Nestle guidance regulatory
 - KRONOS' stage-gate process that led this new product development from an idea to the final launch of KRONOS 9900

Tuning UV ink curing for 2D & 3D inkjet applications

Dr. Mark Bale, Founder, DoDxAct, Somerset, UK

- Multiple uses of UV-curable inks across applications
- Benefits of UV-LED vs. Hg lamps for process control
- UV-LED pinning effects in 2D printing for print quality
 - Color-to-color ink bleed
 - White-color overprint optimization
- Controlled curing for versatility in 3D printing
 - Optimizing uniformity by droplet merging
 - Improved voxel control by gelling

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

- Program continues on next page -

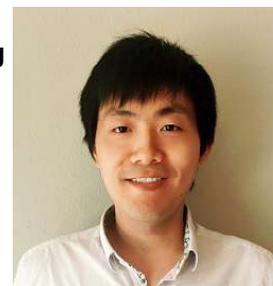


Terence Kenneth
Ink Intelligence



Dr. Mark Bale
DoDxAct

Dr. Kai Yang
Evonik



Victor Rincon
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Juergen Bender
KRONOS



Sponsorship Opportunities

Feature your company on [Inkjet Universe](#) & IMI conference web sites, in conference brochures & promotional emails, and more! For more information, contact Al Keene al@imiconf.com or check off box on registration form. Open to everyone!

Thursday, May 5, 2022

8:30 a.m. Session 3

**Technology developments & innovations
facilitating inkjet growth**

Industrial inkjet improving sustainability

Angus Condie, Director of Technology, Xaar, Cambridge, UK

- How inkjet makes a positive impact on sustainability (with examples)
- How new printhead technology developments will further improve sustainability

Technology that enables inkjet into new industrial markets

Stephanie LeRette, Account Manager, FUJIFILM Dimatix, Lebanon, NH

- Inkjet has long been a technology alternative to traditional printing
 - Early adoption in ceramic decoration, document production, & wide format graphics
 - Now proliferating into additive manufacturing, décor laminates, packaging, printed electronics, & surface decoration
- Piezoelectric inkjet fundamentals have not changed
- But developments provide efficacy improvements by
 - Growing range of fluids utilization
 - Constant jetting improvements
 - Integration of printing solutions
- Emerging markets where inkjet is being adopted
- How technology & expertise in material science, modeling, & applications help enable the transition to inkjet



Angus Condie
Xaar



Stephanie LeRette
FUJIFILM Dimatix

Designing & developing printheads for an everchanging market

Craig Greenwood, Senior Sales Executive; OEM Printheads, Xerox, Wilsonville, OR

- Printhead technology journey: Relationship & development with Xerox Printing Systems
- OEM application perspective: Packaging, industrial, 3D, electronics, corrugated
- What OEM markets want: High resolution, speed, durability, ease of integration, & more features
- Xerox responses in 2021
 - Stainless steel housing for M printhead for company printing chocolate
 - Reservoir design for M series printhead: So that OEM designing phase change ink didn't have to design a separate ink supply for the development & testing process
 - Added full re-circulation OEM working on difficult application with high viscosity inks
- Helping the integrator & OEM: Printhead evaluation, system development support, engineering resources
- Xerox OEM printhead roadmap

Jetting mechanisms' capabilities to match new fluids requirements

Joseph J. Ryan, Director Business Development, Ink Jet Technology Division, Ricoh Printing Systems America, Simi Valley, CA

- Typical ink types
- Needed operational characteristics relating to temperature & viscosity
- Laboratory support needed to identify viscosity variations to be controlled
- System implementations to maintain viscosity control
- Printhead design considerations to enable temperature & viscosity optimization
- Examples of printheads that offer needed support

- Program continues on next page -



Craig Greenwood
Xerox



Joe Ryan
Ricoch Printing
Systems
America

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Presentations from

**Alchemie Technology, Armor IIMAK, Dimatix, DoDxAct, Evonik, G2 Tech Acceleration, GIS, HD Barcode, HP, i4inkjet, iJetColor by Printware, ImageXpert, Ink Intelligence, Integrity Integration, IT Strategies, KRONOS, Meteor Inkjet, Ricoh, Xaar, & Xerox
Plus Suppliers Forum, Displays, & Networking!
Questions? Email al@imiconf.com**

Leveraging thermal inkjet technology for new applications

Gordon Johnson, Strategic Alliance Manager, HP Specialty Printing & Technology Solutions, Leesburg, Florida & Tim Murphy, President, iJetColor by Printware, St. Paul, Minnesota

- Evolving thermal inkjet printhead technologies
 - Fixed Imager 1000: Enables variety of full color systems
 - Solvent based TIJ 2.5: Printing on non-porous substrates
- Case study: Print & mail profitable applications
 - Customer view: Economics, benefits, & uses
 - Market perspective
- Evolving thermal inkjet printhead technologies
 - Print & mail
 - Packaging
 - & more!



Gordon Johnson
HP



Tim Murphy
iJetColor by
Printware



Kevin Coffey
ImageXpert

The changing role of machine vision in emerging applications

Kevin Coffey, CEO, ImageXpert, Nashua, NH

- How new & emerging applications for inkjet printing and microdispensing are redefining the role of machine vision
- New applications in pharmaceuticals, 3D printing, & printed electronics are
 - Calling for more precise drop deposition
 - Relying on machine vision tools in production
- Drop analysis tools have become a staple of inkjet R&D labs
- Now, drop analysis tools are working their way into production lines providing feedback about the jetting both offline and in real time
- Industry trends, recent case studies, & latest machine vision tools to meet industry demands

12:00 Noon Networking Lunch

- Program continues on next page -



1:00 p.m.

Session 4

Inkjet technology innovations result in successful applications

Direct-to-shape inkjet printing – Many opportunities – Many challenges

Debbie Thorp, Business Development Director, Global Inkjet Systems, Cambridge, UK

- Update on container printing
- Complex objects – challenges
- Opportunities and recent activity

Digital textile printing: The rapid revolution of DTG to DTF

Dr. Dan Harrison, Chief Technology Officer, Armor IIMAK, Amherst, NY

- Direct to garment (DTG) inkjet printing
Highly successful screen printing substitute
Limited to dark & light-colored cotton textiles
Textile pretreats, super opaque white inks, & wet on wet printing contribute to success
DTG has not evolved into printing synthetics: specifically dark colored polyester & nylon
- Direct to film (DTF) inkjet printing
Leverages mature image transfer decal technology
DTF printing cost includes transfer film, but ink usage is considerably less than DTG
No pretreating is required for DTF
DTF workflow is somewhat more complicated than DTG as an adhesive powder needs to be applied to the wet printed image before pressing the transfer sheet onto the textile
- DTF opening imaging synthetics applications which can't be addressed with dye sub technology
Lower DTF ink deposition = softer hand
DTF image quality is much better, sometimes exceeding high-quality screen printing

Inkjet printing on glass substrates

George Gibson, President, G2 Tech Acceleration, Fairport, NY (Due to a family medical emergency, George is unable to travel to Orlando for this presentation)

- Exploring the application space – Why choose glass?
- Surface chemistry of glass
- Traditional & non-traditional inks
- The engineered interface
- The future of printing on glass & other ceramics



Debbie Thorp
Global Inkjet
Systems



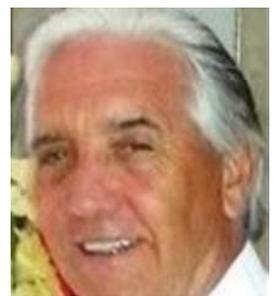
Dr. Dan
Harrison
Armor IIMAK



George Gibson
G2 Tech
Acceleration



Ken Hillier
Meteor
Inkjet



Gary Parish
HD Barcode

Developing a universal inkjet pathway for processing 3D object files

Ken Hillier, North American Sales Manager, Meteor Inkjet, Sarasota, FL

- Development considerations for inkjet 3D build processor
- Growing list of file formats for 3D build prep applications
- Challenges of processing files for use in inkjet systems
- For those new to 3D/additive manufacturing:
Comparison of commonalities between 2D & 3D file processing systems

Creating quality barcode with inkjet printers

Gary Parish, President & CEO, HD Barcode LLC, Indialantic, FL

- Overview of barcodes & their specifications
- Not all barcodes are created equally
- Selecting the right barcode for use with an inkjet printer
- Understanding limitations & advantages of inkjet printed barcodes
- How can barcodes improve your process

4:00 p.m.

Adjournment

IMI's Inkjet Conference 2022 will be an in-person event and we will follow the most current recommended health and safety practices



REGISTRATION INFORMATION

Inkjet Conference 2022

Registration Fees: \$1095 per registrant
\$995 for each additional registrant from same organization
Academic Registration \$495 per registrant

Inkjet Innovation Academy

Registration Fees: \$1095 per registrant
\$995 for each additional registrant from same organization
Academic Registration \$495 per registrant

SPECIAL NOTE: IMI is monitoring COVID pandemic recommendations & will announce required COVID precautions prior to these events. Proof of vaccination, mask wearing, social distancing, etc. may be required. Please contact us with any questions.

All registration fees includes 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 conference reference materials.

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 2022 and Inkjet Innovation Academy Registration Form

- Inkjet Conference 2022
May 4-5, 2022
- Industrial Inkjet System Design Course
May 2-3, 2022
- Inkjet Academy
May 2-3, 2022
- Inkjet Printed Electronics Evaluation & Opportunities
Course
May 2-3, 2022
- 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 2022** & **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 #5 hotel in Orlando.

Hotel reservations are the responsibility of each meeting registrant. **Early booking is advised** as the special meeting rate of \$145 (**Daily service fee included in this rate**) for single or double occupancy is guaranteed **only until April 18, 2022**. After that date, the group meeting rate will be on a space available basis.

To make online hotel reservations – Go to

<https://www.tinyurl.com/IMIHotel5-2022>

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 \$145 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