



Inkjet Conference 2021

February 17 - December 15, 2021

Bimonthly Digital Online Conference Sessions

Session 6-December 15, 2021-See Speakers on Page 7

As a leading provider of high-level, strategic digital print industry conferences and renowned courses, IMI has been instrumental in promoting and supporting the digitization of the printing industry and its expansion into manufacturing applications. During the pandemic, IMI has utilized the available digital tools and technologies and applied them to the conference and course formats to maximize efficient information transfer, facilitate relationship building, and stimulate continued growth and expansion for digital print and manufacturing technologies.

IMI's online event **Inkjet Conference 2021** six bimonthly sessions include:

- **Three 30-minute presentations by recognized industry leaders for each session**
 - **Q & A opportunities via chat/live options**
- **Recorded presentation videos, presentation notes, & participants list**

IMI's 2022 events will continue to offer high-level strategic and timely digital & inkjet industry information resources via conferences and courses – incorporating both live in-person plus web-based components as dictated by public health, regulatory, societal, and industry needs.

Upcoming 2022 Events



Inkjet Conference 2022

February 16-17, 2022

Inkjet Innovation Academy

Industrial Inkjet System Design Course

Inkjet Academy

Inkjet Printed Electronics

Evaluation & Opportunities Course

February 14-15, 2022

The Florida Hotel & Conference Center

Orlando, Florida



Inkjet Conference 2021

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Bimonthly Digital Online Conference Sessions

IMI's strategic annual **Inkjet Conference 2021** (now a bimonthly digital event) is designed to 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 IM's upcoming Inkjet Conference 2022 - contact al@imiconf.com**

IMI's **Inkjet Conference 2021** is the flagship strategic conference for the inkjet industry, trusted as a primary source of high value information by senior executives and commercial managers for more than 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.

IMI's digital **Inkjet Conference 2021** is designed to assess the current and needed developments in inkjet technologies, markets, and applications necessary to realize inkjet's full potential.

This strategic inkjet industry conference provides high value information on innovations, trends, and issues for senior executives, commercial managers, development teams, end users, and others looking to expand their knowledge and understanding of materials developments, products, and technologies shaping the future of inkjet as well as exchanging ideas with industry experts and peers.

This year-long event will consist of 6 bimonthly sessions starting February 17, 2021 and concluding on December 15, 2021 and will include the following elements:

- **Updates & Views from Industry Pacesetters**
- **Industry Experts' Market/Opportunity Perspectives**
- **New Technology Needs & Introductions**
- **Interactive Q & A Opportunities**
- **Suppliers Forum Presentation Opportunities**
- **Sponsorship Opportunities**

Get a "Jump Start" in The Future of Inkjet!

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Session 1 – February 17, 2021

COVID boosts inkjet

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

- New flexibility around fluid supply chain
- Growing distrust of global planning
- Capital expenditures drawn away from analog investment
- The new five-year prospect

Inkjet evaluation for industrial applications

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

- How to approach evaluating inkjet for your industrial application
- Properties and advantages of inkjet
- Value propositions
- Getting started: Evaluation kits, resources, partnerships
- Developing industrial print systems

Inkjet technology's role in additive manufacturing

George Gibson, President, G2 Tech Acceleration, Fairport, New York

- Taxonomy of additive manufacturing techniques
- What role does inkjet play & what are the CTQ's
- Process deep dives
 - Direct deposition
 - Binder jet & related processes
 - Multijet fusion
 - Composite based additive manufacturing
- What's needed to move from prototyping to the factory floor?



Mark Hanley
IT Strategies



Dr. Rich Baker
Integrity Industrial
Ink Jet Integration



George Gibson
G2 Tech
Acceleration

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Session 2 – April 28, 2021

(Rescheduled from April 21st to avoid Virtual Drupa conflict)

Digital technologies drive ROI for cleantech disruptive industrial solutions

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

- The value of protecting the planet
- A perspective of the COVID effect
- Drivers & technology advances needed for innovation
- Technology & IP protection is fundamental to credibility
- Building confidence & business value
- Lessons learned from successful industrial inkjet applications
- Managing chaos during fast global commercial growth & scaling for manufacturing



Dr. Alan Hudd
Alchemie
Technology



Tom Roetker
Memjet



Dr. Robert Ramirez
FUJIFILM Dimatix

Jumping the technology chasm: Moving from islands of technology to an integrated solution

Tom Roetker, Vice President of Engineering, Memjet Services Ltd., San Diego, California, USA

- Commercial printing, corrugated, flexible packaging, folding carton, & specialty packaging manufacturers demand
 - Excellent print quality
 - A robust solution
 - Cost effective, consistent product output
- Digital printing is strong need for analog to digital environment
- Risk: Full integration & ownership of digital systems often not clear
- How digital conversions can be improved & failure risk reduced
 - Expertise to succeed spread over multiple technology providers
 - Technology leaders' strategic partnerships vs. supplier relationships
- Memjet inkjet technology platforms: Examples of system strategic partnerships

Benefits of unified Si-MEMS jet design between an industrial inkjet printhead and small-scale cartridge

Dr. Robert Ramirez, Chief Scientist, Materials Deposition Group, FUJIFILM Dimatix, Santa Clara, California

- Overview of R&D and prototyping activities with Dimatix Materials Printer (DMP)
- Challenges in transitioning inkjet from R&D to commercial production
- How DMP can serve as scale-up platform and evolve from a prototyping solution

Suppliers Forum Presentations

Epson

Sun Chemical

Global Inkjet Systems

**All IMI Completed Conference Presentations
for**

Inkjet Conference 2021

Inkjet Age of Materials Conference 2020-2021

Available for purchase at

<https://www.imiconf.com/completed-programs>

**Register for Conference Now and Download Prior
Sessions' Handouts & Videos**

Also Available for Individual Presentation Purchase

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Session 3 – June 16, 2021

How to integrate inkjet into the smart factory

Eric Worrall, Vice President of Products and Customer Success, Global Graphics, Cambridge, UK

- Inkjet will find new manufacturing applications
- Inkjet integration into smart factories requires software/hardware stack rethin
- Adding smart factory print subsystem requires smart digital front end that
 - Uses AI to power its components
 - Uses OPC UA-compliant interfaces (open standard for industrial communication exchange) to connect to production system
- Potential to provide retailers “Holy Grail” of mass-personalized/customized products at near mass-production prices



Eric Worrall
Global Graphics



Rob Rogers
Epson

COVID impact on inkjet industry forum

Moderator: Alvin Keene, President, IMI, Carrabassett Valley, Maine

Short summaries from IMI Inkjet Universe Sponsors & conference participants

- Recovery or Reinvention?
- COVID as market stimulant & barrier in selected market sectors
- Will “remote working experience” accelerate industry digitalization?
- Trends for short runs, customization, digital manufacturing, etc.
- Most important “take-a-ways” from COVID pandemic experience

FMI or to reserve a slot, email al@imiconf.com

Print Quality: Sources of drop placement errors that affect print quality

Rob Rogers, Product Manager, OEM Printheads, Epson America, Inc., Los Alamitos, California

- Detailed look at specific error sources that affect drop location on substrate
- Potential mitigation strategies to improve print quality
 - Printer design and substrate handling
 - Operator adjustments
 - Temperature changes
 - Printhead

IMI

**Inkjet Academy**

Inkjet Academy

February 14-15, 2022

The Florida Hotel & Conference
Orlando, Florida

Understanding the technology is a prerequisite to any industry's development and success!

IMI's **Inkjet Academy** led by Dr. Mark Bale, Director of DoDxAct, provides proven content updated for 2022 & beyond for anyone entering the inkjet industry, seeking an update on rapidly advancing technologies, or looking for further promising fields of development.

Join us for the inkjet industry's leading & most attended course!



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Session 4 – August 18, 2021

Inkjet transforming corrugated printing

Ralf Schlözer, Consultant & Technology Analyst, Berlin, Germany

- Inkjet making rapid inroads in corrugated printing
- Many players are entering the market
- Technologies & devices available
- Adoption rates and drivers
- Opportunities & limitations for major market impact

Direct to garment digital revolution

Tom Grinstead, Chief Operating Officer, 240 Tech LLC, Santa Ana, California

- DTG market overview
- Drivers & challenges for digitalprint
- Ovaljet as a solution
 - Technology
 - Performance & cost parameters
 - Implementation results
- Future Trends



Ralf Schlözer
Consultant &
Technology Analyst



Tom Grinstead
240 Tech LLC

Check out IMI's unique **Inkjet Universe Sponsorship** which includes a \$1000 registration fee credit
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After using your credit toward any IMI event, sponsorship costs less than \$10 per week for sponsor recognition at all IMI online & in-person events, inclusion in emails to IMI's worldwide database and on social media for a full year.

Questions? Email al@imiconf.com

Become a sponsor today, you won't be sorry!



Industrial Inkjet System Design Course

February 14-15, 2022

The Florida Hotel & Conference
Orlando, Florida

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 evaluating or using inkjet as an industrial manufacturing process.

Join us to "avoid reinventing the wheel" and gaining a systematic approach to shorten development time!



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Session 5 – October 20, 2021

Printed electronics evaluation and inkjet's opportunity

George Gibson, President, G2 Tech Acceleration, Fairport, New York

- Printed electronics applications, challenges, and vision
- Application specific critical parameters
- The many-legged stool: Substrates, inks, printheads, and post-processing
- System design and system engineering concerns
- Current research directions and futures

Inkjet & vision controlled jetting (VCJ):

Industrialization of additive manufacturing

Dr. Rich Woudenberg, Principal Inkjet Engineer, Inkbit Corporation, Medford, Massachusetts

- Additive manufacturing: Introduction & challenge
- Adaptive additive manufacturing, vision controlled jetting
- Material properties for production industrial parts
- Chemical & physical possibilities
- Targeting the factory of the future

An easier path of integration

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

- Printhead technology journey
- 2021-2022 printhead offering: W Series & M Series
- How we make it easier to adopt for integrators & OEM market: Electronics, software & SDK, stitch motors, ink supply systems, maintenance, support, print bars, ink
- Helping the integrator & OEM: Printhead evaluation, system development support, engineering resources
- Development timeline 2021/2022



George Gibson
G2 Tech
Acceleration



Craig Greenwood
Xerox



Dr. Rich Woudenberg
Inkbit

IMI

Inkjet Printed Electronics Course

February 14-15, 2022

The Florida Hotel & Conference
Orlando, Florida

Printed electronics are rapidly transitioning from niche markets to mainstream applications!

IMI's Ink Jet Printed Electronics Evaluation & Opportunities Course, led by George Gibson, Managing Partner of G2 Tech Acceleration, provides guidance and up-to-date analysis for those evaluating inkjet's role in printed electronics, seeking technology updates, or identifying promising R&D fields.

Don't miss out on this promising field for inkjet innovations!



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Session 6 – December 15, 2021

Four irreversible trends & inkjet's strategic value

Alec G. Couckuyt, Managing Director & Chief Business Strategist, AGC Consulting, Toronto, Ontario, Canada

- Inkjet print production process evolution
 - Technical comparison
 - Business strategic value
 - Decision criteria
- Entering a new era in "offset vs. inkjet"
- Four accelerating trends
 - Rising paper costs & supply challenges
 - Increasing shortage of skilled offset press labor
 - Growing importance of the circular economy
 - Increasing number of short run jobs
- Will inkjet lead commercial production print's recovery?

Inkjet printing in the security space: Trends & Opportunities

Graham Vlcek, President, Industrial Inkjet Ltd USA, Golden, Colorado

- Security applications overview
- Market segments
- Market size for inkjet
- Market trends
- New opportunities



Graham Vlcek
Industrial Inkjet USA



Alec G. Couckuyt
Fujifilm Canada
& AGC Consulting

The impact of inkjet & digital workflows in today's world

Kevin D. Roman, Director Professional Service & Software Solutions, Canon Solutions America, Tampa, Florida

- Inkjet & digital workflow as communication enabler in today's new reality
- Personalized/relevant communications acceleration in multi communication world
 - Customer communication must have print in mix
 - Customer communication preferences change frequently
 - Data on customer communication preferences landscape
 - Where digital inkjet fits in the mix
- COVID-19 pandemic has
 - Had deep impact on brands & businesses customer communications
 - Accelerated digital print adoption over e-communications
- Positioning digital inkjet as new communication enabler
 - Forces in play like AI & AR
 - Variable data & digital workflows driving newfound relevance for customer satisfaction & brand loyalty in multi-channel communication world

Kevin D. Roman
Canon Solutions
America



Sponsors of theinkjetuniverse



REGISTRATION INFORMATION

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Annual Registration Fee:

6 Sessions

18 Presentations

And Much More!

Single registrant = \$500

2 registrants from same company = \$450 each

3 or more registrants from same company = \$400 each

Single Session Fee: \$100 per registrant

Academic Registration Fee

\$300 per registrant (student, faculty, or staff)

The registration fee includes online attendance to conference sessions, access to recorded sessions, and downloadable conference reference materials including the conference registration list. Registrations are noncancelable.

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, Carrabassett 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 2021 Registration Form

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6 Sessions

18 Presentations

& Much More!

I wish to reserve a

Suppliers' Forum slot (10-minute online presentation slots will be allotted on a first come/first scheduled basis)

Please send me information on

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Why an Ongoing Digital Event Format?

As we entered the pandemic in March 2020, we have a great deal of time evaluating alternative digital approaches to providing effective and timely information, content, and contact development to the digital and inkjet industries.

We arrived at our ongoing digital event format with bimonthly presentations to enable a more cohesive and snappier option to build an involved community in the critical area of inkjet materials which are an essential element for the industry's continued application expansion and market growth.

One major element in our decision was that after participation in numerous online events, we observed that participants attention spans and concentration were "challenged" by sessions ranging from 1/2 day to multiple days. Thus, our goal was to provide a versatile ongoing resource which would benefit all those in the inkjet and related fields.

We welcome your thoughts, comments, suggestions, etc. as we are sure our event concepts will continue to evolve as we progress in time!

Welcome aboard!

Inkjet is a system and all the components and subsystems are critical for successful products and output regardless of the application. Only by understanding the system interactions, creating alliances to obtain the best technology options, and applying appropriate development tools & production techniques can inkjet industry participants obtain optimum market success and profitability. Join us to take advantage of this unique, ongoing, resource efficient, and timely to keep current in the inkjet development world

Ink jet is a system

