

## The Venue

Anchorage, Alaska, with its Northern Lights, nearby glaciers, native arts, and frontier culture will host NIP23. Join us for what promises to be an exciting technical meeting combine with an incredible travel experience!

A small city by most standards, Anchorage is the perfect location from which to explore the wonders this part of the world has to offer, whether via day or overnight trips. While small in size, Anchorage has a wide selection of restaurants—from fine dining establishments to brewpubs—a vibrant art scene, and interesting museums and stores to explore. You can spend a day viewing wildlife or trekking through a glacier valley and be back in the city in time for dinner.

The headquarter hotel for NIP23 is the Hilton Anchorage, site of tutorials and the Welcome Reception. Technical sessions and the exhibit will take place at the Anchorage Convention Center, located a block from the hotel. To help keep travel budgets down and offset the cost of airfare, we've secured rooms for \$125/night single/double at the Hilton. More information on housing will be available with the release of the preliminary program.

There are direct flights from many cities in the US to Anchorage. At this time, there are direct flights from Frankfurt via Condor (a division of Lufthansa, [www.condor.com](http://www.condor.com)) on Saturday, Sunday, and Tuesday—the current fare is €400 one way and already bookable—and on China Airlines ([www.china-airlines.com/en/index.htm](http://www.china-airlines.com/en/index.htm)) from Taipei on Sunday, Tuesday, Thursday, and Friday (return on Monday, Wednesday, Friday, and Saturday). Flights from Frankfurt and Taipei take approximately 8.5 hours.

Average Anchorage temperatures in September hover around 57°F/14°C, with showers a possibility. Daylight averages 14.25 hours. A special treat is that the Northern Lights should be visible by this time of year.

To learn more about Anchorage and what it has to offer, visit [www.anchorage.net](http://www.anchorage.net). This site is available in English, Spanish, German, Chinese, Japanese, and Korean. Just click on the flag in the lower left corner to change the language.

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Society for Imaging Science and Technology  
7003 Kilworth Lane  
Springfield, VA 22151 USA  
703/642-9090; 703/642-9094 (fax)



# NIP23

23rd International Conference on  
Digital Printing Technologies

September 16-21, 2007

Anchorage, Alaska

Collocated with  
Digital Fabrication 2007

Abstract Deadline:  
February 1, 2007

General Chair:  
Ramon Borrell,  
Hewlett-Packard Española SL

Sponsored by the  
Society for Imaging Science and Technology (IS&T)  
and the Imaging Society of Japan (ISJ)

CALL FOR PAPERS

## The Conference

Join us in Anchorage for the 23rd International  
Conference on Digital Printing Technologies!

For more than two decades, NIP has been the preeminent forum for discussions of advances and new directions in non-impact and digital printing technologies. This comprehensive, industry-wide conference includes all aspects of the hardware, materials, software, images, and applications associated with digital printing systems, including drop-on-demand ink jet, wide format ink jet, desktop and continuous ink jet, toner-based laser printers, production digital printing systems, and thermal printing systems, as well as the engineering capability, optimization, and science involved in these fields. Novel imaging and applications such as nanoparticles, paper-like displays and digital art also have a place with us. As in 2006, NIP will be held in conjunction with Digital Fabrication 2007, a conference that explores the potential of digital printing technologies with new applications and materials that go well beyond traditional printing and have been used to produce MEMS and electronic devices.

For NIP23, a comprehensive program of more than 200 contributed and invited papers from leading scientists and engineers is planned, along with keynote addresses. Sessions of invited papers on special topics include advanced material quality control instrumentation and advanced photoreceptor architectures. An extensive selection of tutorials; discussion panels; a print gallery; and an exhibition featuring more than 50 companies showcasing digital printing components, products, materials, and equipment complete the comprehensive week long event.

## Tutorials

In addition to stimulating technical sessions, NIP23 attendees will be able to choose from approximately 25 tutorials taught by world-renowned experts on a wide range of digital printing technology subjects. You are sure to find a tutorial of interest that either introduces you to a new field or keeps you up to speed with the latest developments in your field! Be sure to check out the tutorial offerings in the Preliminary Program.

## Keynotes

A highlight of NIP23 will be keynote addresses by leading authorities in the industry and related scientific fields. Keynotes bring a broad perspective to industry-wide issues, important technical achievements, and market trends by internationally known speakers from North America, Europe, and Asia. This year's keynotes will look at color pigment technology, spectral color printing, advances in material processing, developments on digital workflow, and industry consolidation, as well as the adaptation of digital printing technologies for digital fabrication.

## Special Topic Sessions

A number of special topic sessions offering invited presentations by experts in key areas related to digital printing and imaging will survey developments in the field and present the authors' new contributions. These sessions give conference participants an invaluable opportunity to learn more about both emerging and core technologies in these areas:

- Digital art
- Advanced material and nanoparticles in imaging
- Advanced photoreceptor architectures
- Fusing, curing, and drying technologies and challenges
- Adding value to prints by finishing
- Quality control instrumentation for digital printing

## Print and Art Galleries

The Print Gallery provides an up-close, detailed look at the performance capabilities and relative advantages of various printing technologies on paper and traditional media. A test image will be provided for benchmarking to allow comparison of technologies. However, all samples will be welcome.

The Art Gallery, held in conjunction with the special session on Digital Art, will show how artists use digital print and new imaging materials today.

For more information on participation in the Print Art Gallery, please contact Dinesh Tyagi at Eastman Kodak Company: tyagi@kodak.com 585/726-7060.

## Intellectual Property Panel Discussion

This panel will address the impact of national and international law on innovation in imaging and important aspects of patent, copyright, and trademark protection. Interested parties should contact Gaurav Sharma,

## TECHNICAL PAPER SUBMISSIONS IN THE FOLLOWING AREAS ARE ENCOURAGED:

- Ink Jet Printing: Materials and Processes
- Color Science/Image Processing
- Image Permanence
- Media for Digital Printing
- Photo-electronic Materials and Devices
- Printing Systems Engineering/Optimization
- Production Digital Printing
- Print and Image Quality
- Security and Forensic Printing
- Textile & Industrial Printing
- Thermal Printing
- Toner Based Printing: Materials and Processes
- Environmental Issues: Regulation, Green Labeling, Recycling, and Remanufacturing.
- Digital Art
- Fusing, Curing, and Drying.
- Electronic Paper and Paper-like Displays

University of Rochester at gaurav.sharma@rochester.edu; 585/275-7313.

## Collocation

Collocation with Digital Fabrication 2007 allows NIP23 attendees access to a meeting focused on the cutting edge of digital manufacturing technology. The synergy created by collocation will afford professionals from both fields the opportunity to discuss overlaps and intersections between the two technical areas of imaging and manufacturing. Our goal is to help develop a new community of scientists and engineers focused on extending nonimpact printing methods and materials to the emerging area of digital fabrication.

## Invitation to Exhibitors

More than 750 digital printing and fabrication industry leaders and technical experts will gather in Alaska for NIP23 and Digital Fabrication 2007. A highlight of the conference, the exhibit traditionally features more than 50 companies showcasing state-of-the-art printing products and applications, including equipment and materials, inks and toners, papers, films, textiles, and test equipment.

If you'd like to exhibit at NIP23/DF2007 please contact Exhibit Co-chairs Laura Kitzmann (laura.kitzmann@sensienttech.com) or Cindy Morgan (cindy.morgan@inkjetsys.com). You may also contact Donna Smith (dsmith@imaging.org) at IS&T. The exhibit dates for 2007 are Tuesday, September 18th and Wednesday, September 19th.

## How to Submit

The NIP23 Conference Committee invites you to submit a technical paper representing original work in the science and/or technology of digital printing. Submissions must include:

- An abstract of approximately 400 words, clearly stating the technical content of the paper and, if appropriate, emphasizing what is new compared to previously presented or published work
- Complete contact information for author name(s), i.e., company, address, telephone, fax, and email
- 75-word biographical sketch of the principal author
- Preference for oral or interactive presentation
- Preferred session assignment

Submit the above information by **February 1, 2007** to IS&T via [www.imaging.org/conferences/NIP23](http://www.imaging.org/conferences/NIP23).

The full text of accepted papers will be published in the conference proceedings. This text is due in electronic form by **June 1, 2007**. Please direct all submission inquiries to Felecia Marsh at NIP@imaging.org; 703/642-9090.

*Papers presented at NIP23 may also be submitted for publication in an IS&T peer-reviewed journal. Contact IS&T for more information.*

## Conference Committee

**General Chair**  
Ramon Borrell  
Hewlett-Packard Española SL  
ramon.borrell@hp.com  
+34 39 582-2725

**Publications Chair**  
Detlef Schulze-Hagenest  
Kodak Digital Printing Solutions  
detlef\_schulze-hagenest@kodak.com  
+49 431 99089-152

**Program Chair (The Americas)**  
Huoy-jen Yuh  
Xerox Corporation  
Huoy-Jen.Yuh@xerox.com  
585/422-4684

**Program Chair (Asia & Oceania)**  
Makoto Omodani  
Tokai University  
omodani@keyaki.cc.u-tokai.ac.jp  
+81 463-58-1211

**Program Chair (Europe and Middle East)**  
Gerhard Bartscher  
Felix Böttcher GmbH & Co.  
gerhard.bartscher@boettcher.de  
+49 221-490-7509

**Program Chair: Invited Papers**  
Gaurav Sharma  
University of Rochester  
gaurav.sharma@rochester.edu  
585/275-7313

**Publicity Chair (The Americas)**  
Eric Stelter  
Eastman Kodak Company  
Eric\_Stelter@kodak.com  
585/726-7430

**Publicity Chair (Asia and Oceania)**  
Yusuke Takeda  
Ricoh Co.  
yusuke.takeda@nts.ricoh.co.jp  
+81 3-3778-8660

**Publicity Chair (Europe and the Middle East)**  
Alan Hodgson  
Alan Hodgson Consulting  
Alan.Hodgson@ntlworld.com  
+44 1625 57-5756

**Tutorial Chair**  
Scott Silence  
Xerox Corporation  
scott.silence@xerox.com  
585/422-5182

**Exhibit Co-Chairs**  
Laura Kitzmann  
Sensient Imaging Technologies  
laura.kitzmann@sensienttech.com  
760/741-2345 ext. 1303

Cindy Morgan  
Imaging Tech International (iTi)  
cindy.morgan@inkjetsys.com  
303/433-1036

### Sponsorship Chair

David Weiss  
Eastman Kodak Company  
david.weiss@kodak.com  
585/726-7280

### Interactive Sessions Chair

Hugh Allen  
SunJet, a division of Sun  
Chemical  
hugh.allen@eu.sunchem.com  
+44 1761-408-546

### Print Gallery Chair

Dinesh Tyagi  
Eastman Kodak Company  
tyagi@kodak.com  
585/726-7060

### Advisory Committee

Eric Stelter, Eastman Kodak  
Company  
Rita Hofmann, ILFORD Imaging  
Switzerland GmbH  
Andronique Ioannidis, Xerox  
Corporation  
Toshihiko Oguchi, Morimura  
Chemicals, Ltd.

### IS&T

Rita Hofmann, ILFORD Imaging  
Switzerland GmbH;  
rita.hofmann@iford.com  
Suzanne E. Grinnan, Executive  
Director; sgrinnan@imaging.org