

The Venue

The dynamic city of Denver, Colorado—and the newly-completed, architecturally-exciting Hyatt Regency—will play host to this year's conference. Located where the midwest plains meet the Continental Divide, Denver offers a thriving, culturally-rich downtown with more than 300 days of sunshine per year, breathtaking mountain views, and ample opportunity to enjoy the outdoors.

Denver's proximity to the rich mineral wealth of the Rocky Mountains brought the railroad in 1870 and the area blossomed into an elegant metropolis still known as "The Queen City of the Plains." Denver is a commodities/high-tech hub, second only to Washington, DC, in the number of federal employees it houses. Oil, gas, and mining firms reside here; Denver is the world's largest telecommunications center; and its Mint is the largest coin producer on earth. The University of Colorado and many sophisticated federal scientific agencies are located in nearby Boulder.

Despite its relatively small size, Denver is home to five major league sports teams and is the site of the renowned Red Rocks amphitheater (with its spectacular canopy of stars), the Six Flags Elitch Gardens amusement park, and 'LoDo,' a trendy dining and shopping district. The Denver Hyatt Regency—located just off the 16th Street Pedestrian Mall, which boasts shopping and entertainment opportunities galore—will be your portal to a unique high-country experience.

Collocation

Collocation with Digital Fabrication 2006 allows NIP22 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.

NON-PROFIT ORG.
US POSTAGE PAID
Merrifield, VA
Permit No. 1112

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



NIP22

22nd International Conference on
Digital Printing Technologies

September 17-22, 2006

Denver, Colorado

Collocated with
Digital Fabrication 2006

Abstract Deadline:
February 2, 2006

General Chair:
Eric Stelter
NexPress Solutions Inc.

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 Denver for the 22nd International
Conference on Digital Printing Technologies!

For more than two decades, NIP has been the pre-eminent 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, desk top 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. As in 2005, NIP will be held in conjunction with Digital Fabrication 2006, a new 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 NIP22, a comprehensive program of more than 200 contributed papers from leading scientists and engineers is planned along with keynote addresses; sessions of invited papers on special topics such as electronic paper and paper-like displays, production digital printing, and advanced photoreceptor architectures, as well as 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.

Tutorials

In addition to stimulating technical sessions, NIP22 attendees will be able to choose from more than 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 NIP22 will be keynote addresses by leading authorities in the industry and in 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 diverging inkjet technologies, the varied roles of synthetic amorphous silica in imaging systems, new developments in the printing field in Asia, 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:

- Electronic paper and paper-like displays
- Digital art
- Production digital printing
- Nanoparticles in imaging
- Consumables, remanufacturing, and aftermarket parts
- Workflow
- Regulatory issues
- Advanced photoreceptor architectures

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. Interested parties should contact Lori Clifton of Hewlett-Packard at 208/396-3422 or lori_clifton@hp.com.
- 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 contact Michael Berger of Wilhelm Imaging Research at bergerart@aol.com or 617/734-6139.

TECHNICAL PAPER SUBMISSIONS IN THE FOLLOWING AREAS ARE ENCOURAGED:

- Ink Jet Printing: Materials and Processes
- Color Science/Image Processing
- Commercial & Industrial Printing
- Digital Printing/Quality Control Instrumentation
- 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, Processes

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 Ming Xu, Sawgrass Technologies at mxu@sawgrassink.com or 843/884-1575.

Invitation to Exhibitors

More than 800 digital printing and fabrication industry leaders and technical experts will gather in Denver for NIP22 and Digital Fabrication 2006. 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 NIP22/DF2006 please contact Exhibit Chair Laura Kitzmann (laura.kitzmann@sensient-tech.com) or Donna Smith (dsmith@imaging.org). The exhibit dates for 2006 are Tuesday, September 19th and Wednesday, September 20th.

Exhibit rates increase on June 16, 2006—act now!

How to Submit

The NIP22 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 200 words, clearly stating the technical content of the paper and, if appropriate, emphasizing what is new compared to previously presented or published materials
- 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 3, 2006** to IS&T via www.imaging.org/conferences/NIP22.

The full text of accepted papers will be published in the conference proceedings. This text is due in electronic form by **June 2, 2006**. Please direct all submission inquiries to Felecia Marsh at 703/642-9090 or NIP@imaging.org.

Papers presented at NIP22 may also be submitted for publication in an IS&T peer-reviewed journal. Contact IS&T for more information.

Conference Committee

General Chair

Eric Stelter
NexPress Solutions, Inc.
Eric_Stelter@nexpress.com
585/726-7430

Publications Chair

Ramon Borrell
Hewlett-Packard Español
ramon.borrell@hp.com
+34 39 582-2725

Program Chair (The Americas)

Huoy-jen Yuh
Xerox Corporation
Huoy-Jen.Yuh@xerox.com
585/422-4684

Program Chair (Asia & Oceania)

Yasuji Fukase
Fuji Xerox
Yasuji.fukase@fujixerox.co.jp
+81-465-802128

Program Chair (Europe and Middle East)

Detlef Schulze-Hagenest
NexPress GmbH
detlef_schulze-hagenest@nexpress.com
+49 (0) 431 99089-152

Program Chair: Invited Papers

Rob Beeson
Hewlett-Packard Company
Rob.Beeson@hp.com
541/715-3149

Publicity Chair (The Americas)

George Marshall
Lexmark International Inc.
toner@lexmark.com
303/581-5052

Publicity Chair (Asia and Oceania)

Makoto Omodani
Tokai University
omodani@keyaki.cc.u-tokai.ac.jp
+81 436-58-1211 x4425

Publicity Chair (Europe and the Middle East)

Mike Willis
Pivotal Resources
mike@pivotal.co.uk
+44 1-223-235-900

Tutorial Chair

Ross Mills
imaging Tech. international
Corp. (iT)
ross@inkjetsys.com
303/433-1036

Exhibit Chair

Laura Kitzmann
Sensient Imaging Technologies
laura.kitzmann@sensient-tech.com
760/741-2345 ext. 1303

Interactive Sessions Chair

Dinesh Tyagi
NexPress Solutions, Inc.
tyagi@nexpress.com
585/726-7060

Print Gallery Chair

Lori Clifton
Hewlett-Packard Company
lori_clifton@hp.com
208/396-3422

Print Gallery Co-Chair (Textiles)

Hitoshi Ujiie
UjiieH@philau.edu
215/951-2682

Print Gallery Co-Chair (Industrial)

Peter Roth
peterroth@aol.com
781/929-3356

Audio-Visual Co-chairs

Steven V. Korol
Xerox Corporation
steven.v.korol@opbu.xerox.com
503/685-2140

Jenny Wang
Eastman Kodak Company
xiaoru.wang@kodak.com
585/588-4781

Sponsorship Chair

Graham Wright
NexPress Solutions, Inc.
Graham_Wright@nexpress.com
585/726-9922

Advisory Committee

Rita Hofmann, ILFORD Imaging
Switzerland GmbH
Andronique Ioannidis, Xerox
Corporation
Mamie Kam-Ng, Eastman Kodak
Company
Toshihiko Oguchi, Morimura
Chemicals, Ltd.