Call for Papers
Submit Abstracts by
30 March 2015
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Joseph A. Floreano
Rochester Convention Center
Rochester, New York, USA

Conference & Courses
12–15 October 2015

Exhibition
13–15 October 2015

Sponsor
SPIE

Co-sponsor
APOMA
American Photonics Manufacturing Association
Present your work at SPIE Optifab 2015

Optifab, sponsored jointly by SPIE and APOMA, has a unique technical focus on classical and advanced optical manufacturing technologies. It offers conference attendees an exceptional opportunity to interact with worldwide experts in the field of optical fabrication.

Call for Papers.

“Optifab is a great show, it’s inexpensive, and has attendees who are hands-on in the optics/photonics industry.”
- Robert Sherman, President, Applied Surface Technologies

LOCATION
Joseph A. Floreano Rochester Convention Center Rochester, New York, USA

DATES
Conferences & Courses: 12–15 October 2015
Exhibition: 13–15 October 2015

ABOUT SPIE
SPIE is an international society advancing an interdisciplinary approach to the science and application of light. www.SPIE.org

ABOUT APOMA
The American Precision Optics Manufacturers Association represents a broad constituency of precision optics manufacturers, and the supporting industry along with academic associates, whose mutual interest is the advancement and expansion of optics manufacturing and technology. www.APOMA.org
Optifab Continues Its Goal of being the #1 Optical Fabrication Event in North America

Optifab is sponsored jointly by SPIE and APOMA, and held in conjunction with the largest optical manufacturing product and supplier exhibition held in the United States.

At Optifab you’ll find research and industry, a unique format that lets you gain valuable insight into the optical fabrications market by maximizing interaction between leading international researchers and manufacturers. Meet your primary buyers, see your peers, and promote your newest optical technologies.

We invite you to actively participate in the technical program by joining us for Optifab 2015.
Where research and industry meet

Share your commercial product breakthroughs and research results with your target audience by presenting a technical or commercial paper.

C.
Conference + Courses.

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IMPORTANT DATES
Abstracts Due: 30 MARCH 2015
Author Notification: 12 JUNE 2015
Manuscript Due Date: 3 AUGUST 2015
Complete program and course schedule available in June 2015.
Call for Papers.

In addition to the 100 and 250-word abstracts, submissions may include a short paper offering additional details. Authors will be asked to submit manuscripts for publication by the 3 August 2015 due date. See preparation guidelines for formatting requirements online www.spie.org/ofb15call.

RESEARCHERS

Technical papers and posters must focus on Optical Manufacturing. In particular, we are seeking papers in the following topics:

- materials and material sciences—optical glasses, polymers, crystals, infrared materials, ultraviolet materials, optical mold insert materials, and optical adhesives
- classical and automated fabrication—highlighting computer integrated manufacturing (CIM) and software for the optical industry
- grinding, polishing, and new methods of surface finishing—loose and bound abrasive, diamond turning, ion figuring, water-jet cutting and removal processes, sub-aperture lap polishing and smoothing
- process science—materials, abrasives, coolants, tooling, for grinding and polishing that are selected for cost reduction and flow optimization
- injection molding, glass molding, lithographic processing and chemical etching
- design for manufacturing—design considerations for manufacturability including, but not limited to, material choice, error budgets, tolerances, mounting, assembly, and testing
- interactivity and data interfaces between optical design programs, mechanical design programs, fabrication equipment and metrology instrumentation
- new developments in lens design—progress in freeform optical design including, but not limited to, mathematical representations of freeform surfaces, and future fabrication requirements for freeform surfaces
- new developments in fabrication—advanced methods for free form surfaces, control of mid-spatial-frequency errors in optics, polymer and crystal optics, sapphire processing, and single point diamond machining
- new developments in the design, manufacturing, and metrology of micro-optics, MOEMS, and diffractive optics
- new developments in coatings technology—advanced approaches for all types of optical coatings on glass, metal, plastics and crystalline materials
- new developments in cleaning and inspection techniques, MIL spec marking, packaging
- new developments in metrology, including all forms of interferometry, MTF measurement, ellipsometry, scatterometry, visual inspection equipment, and surface/subsurface metrology
- new developments in opto-mechanical design, fabrication, and assembly, including in-line alignment/metrology

INDUSTRY

Present your product breakthroughs

Optifab 2015 will also feature commercial presentations from the leading optical companies in the following areas:

- new developments in optical materials
- new developments in freeform surface design, fabrication, and measurement
- advanced optical fabrication equipment
- coating equipment
- metrology equipment (phase measuring, image quality measuring and surface measuring)
- current events impacting the field of optical fabrication

Companies will be highlighting their latest developments in these technology areas—this is the best opportunity in 2015 to see presentations on the newest products. Companies interested in presenting their products must submit an abstract and final summary of the commercial presentation by the abstract due date to be considered.

All papers presented become part of the SPIE Digital Library, the world’s largest collection of optics and photonics research papers.

www.spie.org/ofb15call
Showcase your technology at this biennial event dedicated to optical manufacturing.

Optifab is a 3-day exhibition dedicated to optical manufacturing. It is the largest optical manufacturing product and supplier exhibition held in the United States. This is an event where you’ll see these scientifically precise machines and the people who use them. Rochester is home to numerous optics and photonics companies—This area is rich with research and focused on increasing the deployment of research into marketable products. Bausch & Lomb, Corning, Kodak and Xerox, make this region a research and manufacturing hub, rich with knowledge, experience and innovation in optics manufacturing, metrology and imaging.

ON THE EXHIBITION FLOOR:
- Optical fabrication equipment
- Optical components, materials, and systems
- Optomechanical components and devices
- Laser system components
- Optical thin film coatings
- Optical metrology and testing equipment
- Clean room equipment
- Software, adhesives, glass, and consumables

KEY METRICS
- 1,700 Attendees
- 90 Technical and Commercial Papers
- 160 Exhibitors
- 13 Courses
- 750 Exhibition Visitors

MEET LEADERS FROM TOP COMPANIES:
- OptiPro Systems
- OptoTech Optical Machinery Inc.
- QED Technologies Inc.
- Satisloh North America Inc.
- Universal Photonics Inc.
- Zygo Corporation
- Ametek Precitech, Inc.
- United Lens Co., Inc.
- Mahr Federal Inc.
- TRIOPTICS GmbH
- Xonox Technology GmbH
- Schneider Optical Machines Inc.

EXHIBITION CHAIRS

Michael Naselaris
Sydor Optics, Inc. (USA)

Justin J. Mahanna
Universal Photonics, Inc. (USA)

Richard Nastasi
Universal Photonics, Inc. (USA)

COURSES

Maintain your competitive edge with courses at Optifab

Courses at Optifab, over 10 courses, have been designed for the working engineer and address current challenges in optical design, engineering, manufacturing, and optomechanics.

Course topics include optical fabrication and manufacturing, aspheric optics, metrology, optomechanics, thin films and more. Program available in June, 2015.
By submitting an abstract, I agree to the following conditions:

AN AUTHOR OR COAUTHOR (INCLUDING KEYNOTE, INVITED, ORAL, AND POSTER PRESENTERS) WILL:

• Register at the reduced author registration rate (current SPIE Members receive an additional discount on the registration fee).
• Attend the meeting.
• Make the presentation as scheduled in the program.
• Submit a two to three page summary for publication in the Summary Digest.
• Obtain funding for their registration fees, travel, and accommodations, independent of SPIE, through their sponsoring organizations.
• Ensure that all clearances, including government and company clearance, have been obtained to present and publish. If you are a DoD contractor in the USA, allow at least 60 days for clearance.

SUBMIT AN ABSTRACT AND SUMMARY ONLINE

• Follow the Conference link to the technical conference and click the “Submit an abstract” link.
• Please submit a 250-word text abstract for technical review purposes that is suitable for publication. SPIE is authorized to circulate your abstract to conference committee members for review and selection purposes.
• Please also submit a 100-word text summary suitable for early release. If accepted, this summary text will be published prior to the meeting in the online or printed programs promoting the conference.
• A four page (minimum) paper for publication and distribution at the meeting can be uploaded at the time of submission offering additional supporting materials.
• Please note that this meeting accepts shorter papers for publication than the standard manuscript guidelines suggest. See manuscript preparation guidelines online for formatting instructions. Final papers for publication will be due no later than 3 August 2015.
• Only original material should be submitted.
• Abstracts should contain enough detail to clearly convey the approach and the results of the research.
• Commercial papers will be reviewed and placed in the program at the chairs’ discretion. Please indicate commercial content as a topic when making your submission to assist with the review process.

REVIEW, NOTIFICATION, AND PROGRAM PLACEMENT INFORMATION

• To ensure a high-quality conference, all submissions will be assessed by the Conference Chair for technical merit and suitability of content.
• Conference Chairs reserve the right to reject for presentation any paper that does not meet content or presentation expectations.
• The contact author will receive notification of acceptance and presentation details by e-mail no later than 12 June 2015.
• Final placement in an oral or poster session is subject to the Chairs’ discretion.

PROCEEDINGS OF SPIE AND SPIE DIGITAL LIBRARY INFORMATION

• Conference Chair/Editors may require manuscript revision before approving publication and reserve the right to reject for publication any paper that does not meet acceptable standards for a scientific publication.
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• Manuscript instructions are available from the “Author/Presenter Information” link on the conference website.
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• Only papers presented at the conference and received according to publication guidelines and timelines will be published in the conference Proceedings of SPIE and SPIE Digital Library.
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SUBMIT YOUR ABSTRACT TODAY
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12-15 OCTOBER 2015

RESEARCHERS — Present your latest technical results
INDUSTRY — Present your product breakthroughs

Participate at SPIE Optifab 2015—largest optical fabrication event in North America and it only happens every other year. At Optifab you’ll find research AND industry—a unique format that lets you gain valuable insight into the optical fabrication market by maximizing interaction between leading international researchers and manufacturers.

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