EXHIBITION GUIDE

Exhibition
23–25 August 2022
San Diego, California, USA
21–25 August 2022
Conferences and Courses
23–25 August 2022
Exhibition
San Diego, California, USA

THE PREMIER EVENT FOR OPTICAL ENGINEERING AND APPLICATIONS, NANOTECHNOLOGY, QUANTUM SCIENCE, AND ORGANIC PHOTONICS.

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Exhibition
23–25 August 2022
San Diego Convention Center
San Diego, California, USA

Hours
Tuesday 23 August · 10:00 AM–5:00 PM
Wednesday 24 August · 10:00 AM–5:00 PM
Thursday 25 August · 10:00 AM–2:00 PM

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### TWO-DAY JOB FAIR

**Tuesday 23 August • 10:00 AM - 5:00 PM**  
**Wednesday 24 August • 10:00 AM - 5:00 PM**  
**Location: Conv. Ctr. Sails Pavilion, Exhibition Hall**

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- If you are the subject of unacceptable behavior or have witnessed such behavior, please notify an SPIE staff member or SPIE volunteer in a leadership position. Or you may go to the SPIE Cashier in the Sails Pavilion, where someone will assist you.
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info@vigo.com.pl; www.vigophotonics.com | |
| VINCENT Associates | #327 |
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+1 585 385 5930; fax +1 585 385 6004  
info@uniblitz.com; www.uniblitz.com | |
| Wavelength Opto-Electronic | #545 |
| 10801 E Happy Valley Rd., Scottsdale, AZ, 85255-2243 United States  
+1 602 531 5323  
mhreddzak@wavelength-tech.com; www.wavelength-oe.com | |
| Wyant College of Optical Sciences | #329 |
| 1630 E University Blvd, Tucson, AZ, 85721 United States  
+1 520 621 6997; fax +1 520 626 1480  
info@optics.arizona.edu; www.optics.arizona.edu | |
| Y&D K Co., Ltd. | #516 |
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+82 70 4624 6110  
yndk@yndk.co.kr; www.yndk.co.kr | |
| YSL Photonics | #741 |
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+86 27 87 204039 ; fax +86 27 87 179217  
sales@yslphotonics.com; www.yslphotonics.com/en | |
| Zaber Technologies Inc. | #712 |
| #2-605 W Kent Ave N, Vancouver, BC, V6P 6T7 Canada  
+1 604 569 3780; fax +1 604 648 8033  
contact@zaber.com; www.zaber.com | |
| Zygo Corporation | #429 |
| 21 Laurel Brook Rd, Middlefield, CT, 06455-1291 United States  
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SC003 Practical Optical System Design (Youngworth, Olson), Tuesday, 8:30 AM–5:30 PM, $745.00 / $875.00 / $425.00
SC010 Introduction to Optical Alignment Techniques (Castle), Tuesday, 8:30 AM–5:30 PM, $745.00 / $875.00 / $425.00
SC014 Introduction to Optomechanical Design (Vukobratovich) Sunday–Monday, 8:30 AM–5:30 PM, $1,395.00 / $1,650.00 / $735.00
SC015 Fastening Optical Elements with Adhesives (Daly), Monday, 1:30 PM–5:30 PM, $450.00 / $525.00 / $285.00
SC157 MTF in Optical and Electro-Optical Systems (Boreman), Sunday, 8:30 AM–5:30 PM, $790.00 / $920.00 / $443.00
SC213 Introduction to Interferometric Optical Testing (Kim), Sunday, 1:30 PM–5:30 PM, $485.00 / $560.00 / $299.00
SC567 Introduction to Optical Remote Sensing Systems (Shaw), Wednesday, 1:30 PM–5:30 PM, $450.00 / $525.00 / $285.00
SC690 Optical System Design: Layout Principles and Practice (Bentley), Sunday, 8:30 AM–5:30 PM, $780.00 / $910.00 / $439.00
SC863 Introduction to Modern Optical Drawings – the ISO 10110 Standard (Aikens), Wednesday, 1:30 PM–5:30 PM, $500.00 / $575.00 / $305.00
SC912 Intermediate Lens Design (Bentley), Monday, 8:30 AM–5:30 PM, $780.00 / $910.00 / $439.00
SC915 Radiometry Revealed (Shaw), Wednesday, 8:30 AM–12:30 PM, $450.00 / $525.00 / $285.00
SC1086 Optical Materials, Fabrication and Testing for the Optical Engineer (Nelson), Wednesday, 8:30 AM–12:30 PM, $450.00 / $525.00 / $285.00
SC1169 Optical Manufacturing Fundamentals (Williamson), Sunday, 8:30 AM–5:30 PM, $775.00 / $905.00 / $437.00
SC1170 A Hands-On Introduction to Optics (Diehl), Monday, 1:30 PM–3:30 PM, $290.00 / $315.00 / $201.00

SC1222 Deep Learning and Its Applications in Image Processing (Nasrabadi), Sunday, 8:30 AM–5:30 PM, $745.00 / $875.00 / $425.00
SC1232 Introduction to LIDAR for Autonomous Vehicles (Shaw), Monday, 8:30 AM–12:30 PM, $450.00 / $525.00 / $285.00
SC1271 Optical Measurement of Surface Topography (de Groot), Sunday, 8:30 AM–12:30 PM, $450.00 / $525.00 / $285.00
SC1272 Mirror System Design with Freeform Surfaces (Sasián), Monday, 8:30 AM–12:30 PM, $450.00 / $525.00 / $285.00
SC1277 Photodetectors: Theory, Practice, and Applications (Piatek), Sunday, 8:30 AM–12:30 PM, $450.00 / $525.00 / $285.00
SC1305 Organic and Hybrid Perovskite Photovoltaics: Materials, Mechanisms, and Devices (Shaheen), Monday, 8:30 AM–12:30 PM, $450.00 / $525.00 / $285.00
SC1310 Optical Metrology for AR/VR/MR (Zhou), Tuesday, 1:30 PM–5:30 PM, $450.00 / $525.00 / $285.00
SC1311 Understanding Optical System Specifications: Identifying and Managing Hidden Conflicts (Bentley), Wednesday, 1:30 PM–5:30 PM, $450.00 / $525.00 / $285.00
SC1313 Designing Illumination Optics (Muschaweck, Rehn), Monday, 8:30 AM–5:30 PM, $785.00 / $915.00 / $441.00
SC1314 Colorimetry for LED Users (Muschaweck), Wednesday, 8:30 AM–12:30 PM, $485.00 / $560.00 / $299.00
SC1315 Precision Glass Molded Optics: Design Through Manufacturing (Symmons), Tuesday, 8:30 AM–5:30 PM, $745.00 / $875.00 / $425.00

Optics Workshops for Educators
WS1156 Dumpster Optics: Teaching Optics with Junk (Magnani, Viera-Gonzalez), Tuesday, 1:30 PM–3:30 PM, $20.00 / $25.00 / $20.00
WS1248 Everything You Wanted to Know About Outreach (McKee, Magnani, Posner), Tuesday, 10:30 AM–12:30 PM, $20.00 / $25.00 / $20.00
WS1309 Harnessing Peer Instruction: An Introduction to myDALITE (Adams), Tuesday, 10:30 AM–12:30 PM, $20.00 / $25.00 / $20.00

View course descriptions and register online.
spie.org/op-courses

MONEY-BACK GUARANTEE
We are confident that once you experience an SPIE course for yourself you will look to us for your future education needs. However, if for any reason you are dissatisfied, we will gladly refund your money. We just ask that you tell us what you did not like; suggestions for improvement are always welcome.

spie.org/education

Digital badges and certificates
SPIE awards digital badges and certificates to participants who attend courses and complete the evaluation and quiz. Digital credentials are always accessible, easily shareable, printable at any time, and verified. For more information visit spie.org/digital-badges.

SPIE reserves the right to cancel a course due to insufficient advance registration.
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General information

SPIE Conference App and event information
Location: Conv. Ctr. Sails Pavilion (Upper Level)
Open during registration hours
Our SPIE App developer will be onsite and available to answer any questions on its use or navigation and how to get the best user experience. We welcome your feedback. This useful tool allows you to search and browse the program, special events, participants, exhibitors, courses, and more. It is free and available for iPhone and Android phones. If you don't already have it, you can download the SPIE app here.
Stop by to pick up conference materials, face masks and hand sanitizer. SPIE staff will also be available to assist in answering any meeting and exhibition related questions you might have.
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SPIE Bookstore
Location: Conv. Ctr. Sails Pavilion–Exhibition Hall (Upper Level)
Tuesday 23 August · 10:00 AM–5:00 PM
Wednesday 24 August · 10:00 AM–5:00 PM
Thursday 25 August · 10:00 AM–2:00 PM
Stop by the SPIE Bookstore to browse the latest SPIE Press Books and educational materials. While there, get a t-shirt and other gifts to bring home to the family.
Credit card and debit cards only please; no cash.

SPIE Course Desk
Location: Conv. Ctr. Sails Pavilion (Upper Level)
Open during registration hours
Browse course offerings or learn more about SPIE courses available in portable formats such as online and customizable, in-company courses.

SPIE luggage & coat check
Location: Conv. Ctr., Hall A Lobby (Ground Level)
Sunday 21 August · 7:15 AM–7:45 PM
Monday 22 August · 7:30 AM–8:45 PM
Tuesday 23 August · 7:30 AM–6:00 PM
Wednesday 24 August · 7:45 AM–6:00 PM
Thursday 25 August · 7:45 AM–6:00 PM
Complimentary luggage, package, and coat storage are available. Please note hours; no late pickup available.

Conference + exhibition registration

Badge pick-up and registration hours
Location: San Diego Conv. Ctr. Sails Pavilion (Upper Level)
Sunday 21 August · 7:15 AM–5:00 PM
Monday 22 August · 7:30 AM–5:00 PM
Tuesday 23 August · 7:30 AM–5:00 PM
Wednesday 24 August · 7:45 AM–5:00 PM
Thursday 25 August · 7:45 AM–2:00 PM

SPIE CASHIER
Location: San Diego Conv. Ctr. Sails Pavilion (Upper Level) Registration Area
Open during registration hours
Registration payments online only
If you have already registered and wish to add a course, workshop, or special event, you may do this online by signing into your SPIE account.

RECEIPT AND CERTIFICATE OF ATTENDANCE
Preregistered attendees who need an SPIE-stamped receipt or attendees who need a Certificate of Attendance may obtain those at Badge Corrections and Receipts.

BADGE CORRECTIONS
Badge corrections can be made at the Badge Corrections station. Please have your badge removed from the badge holder and marked with your changes before approaching the counter.

SPEAKER CHECK-IN AND PREVIEW STATION
Location: Conv. Ctr., Room 11B (Upper Level)
Open during registration hours
All speakers must stop at Speaker Check-In to upload their slide presentation files at least two hours before their scheduled session or the day before if you present in the first session. Speakers are not able to present using their own devices. All conference rooms are equipped with a laptop, projector, screen, lapel microphone, and laser pointer.

Internet access
Location: Lobbies, Meeting Rooms, Exhibition Hall, and Registration area
Complimentary wireless internet access provided in meeting rooms and lobbies on the conference room level and in the Sails Pavilion where the Exhibition and Registration are located. Instructions will be posted onsite.
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Business center - FedEx office
Location: Conv. Ctr., Hall D Lobby (Ground Level)
Monday–Thursday 22–25 August · 8:00 AM–5:00 PM
Services include photocopying, faxing, printing services, and shipping. Office supplies are also available. Phone 619.525.5450

Child care services
SITTERWISE
Email: sarah@sitterwise.com
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Learn more and make a reservation online: www.sitterwise.com

Note: SPIE does not imply an endorsement nor recommendation of these services. They are provided on an "information only" basis for your further analysis and decision. Other services may be available.

Did you know SPIE offers Family Care Grants to SPIE members? For more information on deadlines and how to apply visit https://spie.org/about-spie/advocacy/equity-diversity-and-inclusion/spie-family-care-grants.

Street level lobby services and amenities

ATMS

COURTESY PHONES
For local calls

GENDER INCLUSIVE RESTROOM
Location: Conv. Ctr. Hall A Lobby (Ground Level)

MOTHERS' LOUNGE
Location: Conv. Ctr. Sails Pavilion (Upper Level)
Open during registration hours
The Mothers’ Lounge is a lockable room intended for nursing mothers. There is no storage, running water, or refrigeration available in this space.

QUIET ROOM
Location: Conv. Ctr. Sails Pavilion (Upper Level)
Open during registration hours
The Quiet Room is intended for silent meditation, reflection or prayer. No mobile device or computer use, and no food or beverages allowed.

Urgent message line
An urgent message line is available during registration hours: 619.525.5701

Lost and found
Location: SPIE Cashier, Conv. Ctr. Sails Pavilion (Upper Level)
Open during registration hours
Found items will be kept at SPIE Cashier in the registration area during the meeting and available only during registration hours. At the end of the meeting, all found items will be turned over to the San Diego Convention Center Security, lost and found hotline: 619.525.5490 or from house phone 5490.

Food and beverage services

Complimentary coffee
Sunday 21 August · 7:30 AM–4:00 PM
Location: Conv. Ctr. Room 6 Lobby (Upper Level)
Monday 22 August · 7:30 AM–4:00 PM
Location: Conv. Ctr. Room 6 Lobby (Upper Level)
Tuesday 23 August
7:30 AM–9:30 AM, Location: Conv. Ctr. Room 6 Lobby (Upper Level)
10:00 AM–5:00 PM, Location: Conv. Ctr. Sails Pavilion, Exhibition Hall (Upper Level)
Wednesday 24 August
7:45 AM–9:30 AM, Location: Conv. Ctr. Room 6 Lobby (Upper Level)
10:00 AM–5:00 PM, Location: Conv. Ctr. Sails Pavilion, Exhibition Hall (Upper Level)
Thursday 25 August
7:45 AM–9:30 AM, Location: Conv. Ctr. Room 6 Lobby (Upper Level)
10:00 AM–2:00 PM, Location: Conv. Ctr. Sails Pavilion, Exhibition Hall (Upper Level)
2:00 PM–4:00 PM, Location: Conv. Ctr. Room 6 Lobby (Upper Level)

Please check the conference schedule for specific break times.

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Food & refreshments for purchase

STARBUCKS
Location: Conv. Ctr. Hall A Lobby (Ground Level)
Sunday–Wednesday · 7:00 AM–3:00 PM
Thursday · 7:00 AM–2:00 PM

MRS. FIELDS COOKIES/AUNTIE ANNE’S PRETZELS
Location: Conv. Ctr. Sails Pavilion (Upper Level)
Sunday–Wednesday · 7:30 AM–4:00 PM
Thursday · 7:30 AM–12:00 PM

Note: Times subject to change.

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SPIE Event Policies

Acceptance of policies and registration conditions

The following policies and conditions apply to all SPIE events, both online and in person. As a condition of registration, you will be required to acknowledge and accept the SPIE policies and conditions contained herein.

SPIE has established a confidential reporting system for all SPIE event participants to raise concerns about possible unethical or inappropriate behavior within our community. When at an SPIE event, you may contact any SPIE staff with concerns. If you feel that you are in immediate danger, please dial the local emergency number for police intervention.

Agreement to hold harmless

Attendee agrees to release and hold harmless SPIE from any and all claims, demands, and causes of action arising out of or relating to your participation in the event you are registering to participate in and use of any associated facilities or hotels.

Be well agreement

Any public space where other people are present holds an inherent risk of exposure to COVID-19 and other communicable diseases. By attending this event, I agree to voluntarily assume all risk related to exposure and agree to not hold SPIE or any of their affiliates including partners and sponsors, directors, officers, employees, agents, contractors, volunteers, or sponsored venues liable for illness. I will take necessary precautions while at the event including, but not limited to, engaging in appropriate social distancing, wearing a mask in public areas when not consuming food or beverage if required, minimizing face touching, frequently washing hands, and avoiding risky environments such as overcrowded bars or restaurants. I agree to not attend any SPIE event if I feel ill or had recent exposure to a COVID-19 case.

Anti-harassment policy

It is SPIE policy that all employees, volunteers, and participants are entitled to respectful treatment. Any form of bullying, discrimination, harassment, sexual or otherwise, is unacceptable and will not be tolerated. This policy applies to all locations and situations where SPIE business is conducted and to all SPIE-sponsored activities and events.

Attendee registration and admission policies

SPIE, or their officially designated event management, in their sole discretion, reserves the right to accept or decline an individual’s registration for an event. Further, SPIE, or event management, reserves the right to prohibit entry of or to remove any individual whether registered or not, be they attendees, exhibitors, representatives, or vendors, whose conduct is not in keeping with the character and purpose of the event. Without limiting the foregoing, SPIE and event management reserve the right to remove or refuse entry to anyone who has registered or gained access under false pretenses, provided false information, or for any other reason whatsoever that they deem is cause under the circumstances.

Capture and use of a person’s image

By registering for an SPIE event, you grant full permission to SPIE to capture, store, use, and/or reproduce your image or likeness, including incidental capture of any individuals in your household or workplace, by any audio and/or visual recording technique and create derivative works of these images and recordings in any SPIE media now known or later developed, for any legitimate SPIE purpose. By registering for an SPIE event, you waive any right to inspect or approve the use of the images or recordings or of any written copy. You also waive any right to royalties or other compensation arising from or related to the use of the images, recordings, or materials. By registering, you release, defend, indemnify, and hold harmless SPIE from and against any claims, damages, or liability arising from or related to the use of the images, recordings or materials, including but not limited to claims of defamation, invasion of privacy, or rights of publicity or copyright infringement, or any misuse, distortion, blurring, alteration, optical illusion, or use in composite form that may occur or be produced in taking, processing, reduction, or production of the finished product, its publication or distribution.

Code of conduct

SPIE is committed to providing a harassment- and discrimination-free experience for everyone at our events, an environment that values the rich diversity of the community observed to be distributing information or soliciting business in the aisles, or in another company’s booth, will be asked to leave immediately.

Unauthorized solicitation

Unauthorized solicitation in the exhibition hall is prohibited. Any non-exhibiting organization observed to be distributing information or soliciting business in the aisles, or in another company’s booth, will be asked to leave immediately.

Unsecured items

Personal belongings should not be left unattended in meeting rooms or public areas. Unattended items are subject to removal by security. SPIE is not responsible for items left unattended.

Wireless internet service

At most events, SPIE provides wireless access for attendees. Properly secure your computer before accessing the public wireless network. SPIE is not responsible for computer viruses or other kinds of computer damage.

Family-friendly policy

Conference events: All conference technical and networking events require a badge for admission. Registered attendees may bring children with them if they have been issued a badge. Registration badges for children under 18 are free and available at the SPIE registration desk onsite. Children under 14 years of age must be accompanied by an adult at all times, and guardians are asked to help maintain a professional, disturbance-free conference environment.

Exhibition hall: Everyone who attends the exhibition must be registered and have a badge. Badges for children are free and available onsite at the registration desk. Children under 14 years of age must be accompanied by an adult at all times. Guardians are asked to help maintain a professional, disturbance-free exhibition environment. Children under 18 are not allowed in the exhibition area during exhibition move-in and move-out.

Identification requirement

To verify registered participants and provide a measure of security, SPIE will ask attendees to present a government-issued photo identification at registration to collect registration materials. Individuals are not allowed to pick up badges for other attendees. Further, attendees may not have some other person participate in their place at any conference-related activity. Such other individuals will be required to register on their own behalf to participate.

For online events, SPIE requires individuals to register with their legal identity.

Laser-pointer safety policy

SPIE supplies tested and safety-approved laser pointers for all conference meeting rooms. For safety reasons, SPIE requests that presenters use provided laser pointers. Use of a personal laser pointer represents the use’s acceptance of liability for use of a non-SPIE-supplied laser pointer. If you choose to use your own laser pointer, you must have it tested at speaker check-in.

No smoking policy

Attendees will observe all non-smoking regulations that are publicly posted by the facilities used by the event.

Online commenting policy

SPIE moderates all comments posted in an online event. We encourage robust discussion, the exchange of scientific ideas, and the sharing of multiple, diverse perspectives. We expect the discussion to be consistent with the norms of scholarly research community interactions at events. Online event participants should report any comments or content that falls short of those community norms. We will remove comments, content, or people that are considered inappropriate by SPIE standards or that:

• are defamatory, libelous, obscene, indecent, abusive, or threatening to others
• infringe the copyright, trademark, or other rights of a third party
• upload viruses or are a cybersecurity hazard
• are off topic or inappropriate commercial in nature
• are in violation of any applicable laws or regulations

Payment policy

Registrations must be fully paid before access to the conference is allowed. SPIE accepts VISA, MasterCard, American Express, Discover, Diner’s Club, checks, and wire transfers. Onsite registrations can also be paid with cash.

Recording policy

Conferences, courses, and poster sessions: For copyright reasons, recordings of any kind are prohibited without prior written consent of the presenter or instructor. Attendees may not capture or use materials presented in any meeting/course room or in course notes on display without written permission. Consent forms are available at speaker check-in, SPIE registration, or from SPIE online event hosts. Individuals not complying with this policy will be asked to leave a given session and/or asked to surrender their recording media. Refusal to comply with such requests is grounds for expulsion from the event.

Exhibition hall: Recordings of any kind are prohibited without explicit permission from on-site company representatives. Individuals not complying with this policy will be asked to surrender their recording media and to leave the exhibition hall. Refusal to comply with such requests is grounds for expulsion from the event.

Unauthorized solicitation

Unauthorized solicitation in the exhibition hall is prohibited. Any non-exhibiting organization observed to be distributing information or soliciting business in the aisles, or in another company’s booth, will be asked to leave immediately.

Unsecured items

Personal belongings should not be left unattended in meeting rooms or public areas. Unattended items are subject to removal by security. SPIE is not responsible for items left unattended.

Wireless internet service

At most events, SPIE provides wireless access for attendees. Properly secure your computer before accessing the public wireless network. SPIE is not responsible for computer viruses or other kinds of computer damage.

SPIE International Headquarters: PO Box 10, Bellingham, WA 98227-0010 USA • Tel: +1 360 676 3290 • Fax: +1 360 647 1445 • help@spie.org • www.SPIE.org

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