Atomically thin 2D materials have recently emerged as attractive optoelectronic materials. These materials exist in metallic, dielectric, and semiconducting form, and exhibit unusual properties, such as high-mobility of carriers in graphene, strong light-matter interactions in transition metal di-chalcogenides, and anisotropic optoelectronic properties in black phosphorus. These materials can be transferred either on top of each other to form heterostructures, or on any substrate for integrated photonics, as the interaction is via Van-der Waals force and no explicit lattice matching is required. This unique property enables new device applications, especially in materials platform, where growing quantum wells will be very difficult. The field of 2D materials, and optoelectronics devices based on 2D materials, has seen rapid advances in exciting experimental demonstrations and theoretical results. This conference aims to provide an international forum for presenting the latest results and reviewing technologies relevant to new physics and devices using 2D materials. Prospective authors are invited to submit original experimental and theoretical papers dealing with enabling technology for 2D materials-based device integration in nanophotonics.

Topics of particular interests include:
- 2D material optoelectronics and integrated nanophotonics
- chalcogenides and boron nitride monolayer-based devices
- photonics with 2D heterostructure
- quantum optoelectronics with 2D materials
- graphene optoelectronics
- atomically thin classical and quantum light sources
- 2D material nonlinear optical devices and cavity-enhanced nonlinear optics
- valleytronics with 2D materials
- 2D material exciton-polariton
- scalable growth of 2D material for large-scale integration
- emerging 2D materials, including ferroelectric and ferromagnetic materials.
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Follow these instructions to develop a successful abstract and accompanying manuscript for the conference and for publication in the Proceedings of SPIE in the SPIE Digital Library.

**How to submit an abstract**

1. Browse the conference program and select the conference(s) that most closely matches the topics of the research you wish to present. *Important: each abstract may be submitted to one conference only.*
2. Click “Submit an Abstract” from within the conference you’ve chosen, and you’ll be prompted to sign in to your spie.org account to complete the submission wizard.

3. If your submission is related to an application track, indicate the appropriate track when prompted during the submission process.

**What you will need to submit**

A completed electronic submission should include the following:

- Title
- Author(s) information
- 250-word abstract for technical review
- 100-word summary for the program
- Keywords used in search for your paper (optional)
- Your decision on publishing your presentation recording to the SPIE Digital Library (slide capture and audio)
- Check the individual conference Call for Papers for additional requirements (for example, some conferences require 2- to 3-page extended summary for technical review, or have instructions for competing for awards)

Note: Only original material should be submitted. Commercial papers, papers with no new research/development content, and papers with proprietary restrictions will not be accepted for presentation.

**Important dates**

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<td>Abstracts Submission Deadline</td>
<td>26 August 2020</td>
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<td>Acceptance Notification Sent to Contact Author</td>
<td>2 November 2020</td>
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<td>Manuscripts Due (Conferences OE506, and OE801-OE803 Only)</td>
<td>20 January 2021</td>
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<td>Manuscripts Due (All Conferences EXCEPT OE506, and OE801-OE803)</td>
<td>16 February 2021</td>
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**Submission agreement**

Presenting authors, including keynote, invited, oral, and poster presenters, agree to the following conditions by submitting an abstract:

- Register and pay the author registration fee
- Attend the meeting
- Present at the scheduled time
- Publish their manuscript in the SPIE Digital Library
- 6-page manuscript minimum for LASE and OPTO; 4-page minimum for BIOS; 20-page maximum
- Obtain funding for 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.

**Review and program placement**

- To ensure a high-quality conference, all submissions will be assessed by the Conference Chair/Editor for technical merit and suitability of content.
- Conference Chairs/Editors reserve the right to reject for presentation any paper that does not meet content or presentation expectations.
- Final placement in an oral or poster session is subject to Chairs’ discretion.

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- Conference Chairs/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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- More publication information available on the SPIE Digital Library.

**Contact information**

For questions about submitting an abstract, or the meeting, contact the Conference Program Coordinator.

**Add an application track to help get your presentation noticed**

When submitting an abstract, add an application track during the submission process to increase the visibility of your presentation in the program. Application tracks offer a second presentation listing so participants can easily locate presentations in the program on their area of interest.

**APPLICATION TRACK Instructions**

1. Select a conference online, click “Submit an Abstract,” and follow the instructions.
2. Indicate the appropriate track when prompted during the submission process.

Accepted presentations will be listed in both the conference and application track listing in the program.