

# OSA Optical Sensors and Sensing Congress

22 – 26 June 2020

Hyatt Regency Vancouver

Vancouver, British Columbia, Canada

## CO-LOCATED TOPICAL MEETINGS

Applied Industrial Spectroscopy

Laser Applications to Chemical, Security and Environmental Analysis

Optical Sensors

Optics and Photonics for Sensing the Environment

Propagation through and Characterization of Atmospheric and Oceanic Phenomena

[osa.org/SensingOPC](http://osa.org/SensingOPC)



**CONGRESS CHAIR**  
Gerard Wysocki,  
*Princeton University, USA*

## CALL FOR PAPERS

ABSTRACT AND SUMMARY SUBMISSION DEADLINE:  
**28 JANUARY 2020 (12:00 EST / 17:00 GMT)**

ADVANCE REGISTRATION DEADLINE:  
**18 MAY 2020**

The **OSA Optical Sensors and Sensing Congress** provides the forum needed to facilitate reporting the latest optical-based sensor advances; brings together major sensor developers and users; and provides a showcase for the latest sensor prototypes and products.

## Present at an OSA Meeting

### Get Recognized

When you present at an OSA Meeting, your peers and colleagues recognize that your submission was carefully peer-reviewed and that acceptance is a genuine mark of professional excellence. If accepted, you present in a high-quality technical program that includes other distinguished experts representing the finest institutions worldwide.

### Get Published

As a presenter, your work should continue to make an impact even after the meeting has concluded. That is why accepted and presented papers are published in OSA Publishing's Digital Library. And to ensure that the community finds your contribution, OSA further supports the visibility of your work by indexing in Ei Compendex, Scopus and Google Scholar.

### Make Connections

OSA Meetings provide invaluable opportunities to engage with other presenters and attendees in one-on-one, in-depth interactions. Our meetings routinely attract an influential audience of scientists, industry leaders and government representatives.

### Submit a Paper for Consideration.

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### Applied Industrial Spectroscopy (AIS)

**AIS** explores ways that spectroscopy and spectral sensing can be used in industrial settings to provide actionable information. Specific areas of interest include quality control, incoming materials inspection, uses in food processing and agribusiness and uses during product manufacture, to name a few.

#### COMMITTEE CHAIRS

**Katherine Bakeev**, *B&W Tek LLC, USA, Chair*

**Steve Buckley**, *Ocean Optics, Inc., USA, Chair*

#### TOPIC CATEGORIES

- Sensing in the extraction industries (mining, oil and gas)
- Novel sensing solutions for industrial digitalization
- Portable, low-power and mobile spectroscopy (could include consumer-focused, LIDAR, automobiles)
- Spectral sensing in manufacturing processes
- Environmental sensing (air, water, combustion sources)
- Sensor solution development for harsh environments
- Spectral sensing in electronics and semiconductor manufacturing
- Agriphotonics topics: spectroscopy for the farm, quality sensing in factories, sensing on the table

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## Two Congresses; One Phenomenal Co-located Experience

The **OSA Optical Sensors and Sensing Congress** and the **OSA Imaging and Applied Optics Congress** will be presented together for the first time. 10 topical meetings and a combined exhibition will provide enhanced opportunities to learn and network with a significantly larger community of scientists – coming together for one week-long event experience.

There are clear topical adjacencies between optical sensing and optical imaging. Some sensing modalities, such as remote sensing, can be based on different types of imaging. In the same way, a number of imaging techniques are directly used for sensing, including hyperspectral and infrared imaging. And, due to some of the cross-cutting technologies and methods that are used in both sensing and imaging, such as pattern recognition and machine learning, there are clear attendance benefits for professionals specializing in either area.

For one registration fee, you will have the ability to attend any session or event offered at either congress, including two plenary sessions and two congress receptions.

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## OSA Imaging and Applied Optics Congress

The congress provides a comprehensive view of the latest developments in imaging and applied optical sciences, covering its forefront advances as well as the application of these technologies to important industrial, military and medical challenges.

## CO-LOCATED TOPICAL MEETINGS

3D Image Acquisition and Display: Technology, Perception and Applications

Adaptive Optics: Methods, Analysis and Applications

Computational Optical Sensing and Imaging

Digital Holography and Three-dimensional Imaging

Imaging Systems and Applications

**Learn more.**

[osa.org/ImagingOPC](http://osa.org/ImagingOPC)