



## CALL FOR PAPERS

### IMPORTANT DATES

#### IMPORTANT AUTHOR DEADLINES

**December 20, 2021 to  
April 7, 2022**

Paper Submission

**June 8, 2022**

Notification of Acceptance

**July 1, 2022**

End of Early Registration

### ORGANIZERS

#### GENERAL CHAIR

**Dr. Geoffrey Cranch**

Naval Research Laboratory

#### GENERAL CO-CHAIR

**Prof. Anbo Wang**

Virginia Tech

#### TECHNICAL PROGRAM CHAIR

**Prof. Axel Schülzgen**

CREOL, Univ. Central Florida

#### TECHNICAL PROGRAM CO-CHAIRS

**Prof. Kara Peters**

North Carolina State University

**Prof. Lan Yang**

Washington University in St. Louis

**Prof. Michel Digonnet**

Stanford University

**Prof. Peter Dragic**

University of Illinois at Urbana-  
Champaign

The International Conference on Optical Fibre Sensors (OFS), established in 1983, is acknowledged as the world's leading conference on all topics related to photonic sensing technologies. OFS provides a forum for reporting and exchanging ideas on the latest advances in research and development on fiber-optic and photonic sensing. It has also contributed significantly to industrialization and standardization of the related devices and systems for field deployment. OFS is independently run and complies to the strictest standards for the evaluation of submissions.

The 27<sup>th</sup> OFS conference (OFS 2022) will be held in Alexandria, Virginia, a historic port town on the banks of the Potomac River, approximately 5 miles south of the Nation's capital, during August 29 – September 2, 2022 | The Westin Alexandria | Alexandria, Virginia, USA. It will offer plenary and invited talks, contributed oral and poster presentations, workshops, and exhibitions from industrial partners. Social events will also take place to foster networking among the participants in a friendly setting.

### CONFERENCE SCOPE & TOPICS

The conference scope and topic will include but are not limited to:

- » Physical, mechanical, and electromagnetic sensors (including acoustic sensors)
- » Chemical, environmental, biological and medical sensors and biophotonics
- » Interferometric, polarimetric and laser based sensors (including gyroscopes and resonators)
- » Micro- and nano-structured fiber sensors (including photonic crystal fiber and grating based sensors)
- » Distributed and multiplexed sensing and sensor networking
- » Other technologies (including imaging-related, spectroscopic and those based on smart-phone platforms).
- » Environmental, security, defense and industrial applications; technology commercialization and standardization
- » Smart structures (including structural health monitoring and photonics in additive manufacturing)
- » New elements (fibers, devices and subsystems), effects (e.g., plasmonics), technologies (including nanophotonics) and materials (e.g., meta- and structured-materials etc.) for photonic sensing
- » Integrated photonics, cavity opto-mechanics and quantum sensing techniques, precision metrology, frequency combs

### EXHIBIT, TUTORIALS AND WORKSHOPS

An Exhibit of products and services as well as Tutorials and Technical Workshops will also take place during the Conference.

Please visit: [www.ofs27.org](http://www.ofs27.org)