

The background of the top half of the page is a dark blue and purple abstract graphic. It features a network of white lines and dots, resembling a fiber optic or data network. Overlaid on this are several glowing green and blue lines that swirl and curve across the space, suggesting data flow or sensor paths. The overall aesthetic is high-tech and digital.

**EAGE**

EUROPEAN  
ASSOCIATION OF  
GEOSCIENTISTS &  
ENGINEERS

# First EAGE Workshop on Fiber Optic Sensing

**RESERVOIR AND PRODUCTION MONITORING**

9-11 MARCH 2020 • AMSTERDAM, THE NETHERLANDS

• **Workshop Brochure | Call for Abstracts**

[WWW.EAGE.ORG](http://WWW.EAGE.ORG)

## TECHNICAL COMMITTEE

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## ABOUT THE WORKSHOP

Rapidly advancing developments in fiber optic sensing technologies have led to increased use in reservoir and production monitoring applications within the energy industry. Distributed-sensing techniques allow for wide measurement aperture of physical properties such as temperature, pressure, strain and acoustics with increased accuracy and cost-effectiveness in geoscience applications.

This workshop focuses on the application of fiber-optic sensing as a tool for reservoir and production monitoring. An optional pre-workshop short course will provide an introduction to fiber-optic sensing. We invite submissions suitable for both, the technical experts and generalists with interest in this technology. We invite case studies with examples of proven business impacts as well as modelling and theoretical studies. These papers will help the participants in the subsequent discussions to evaluate lessons learned and define "best practices".



## AIMS OF THIS WORKSHOP

The aim of this workshop is to solidify the understanding of fiber optic sensing technologies within the geoscience community while highlighting successful applications and findings. The workshop will begin with an optional short course examining the fundamentals of fiber optic sensing with a key focus on features and applications of distributed sensors for geophysical measurements. The technical programme will contain presentations on advancements in instrumentation, applications and technology integration. A special focus will also be placed on current challenges, business impacts and evolving best practices. Recognized industry experts will also contribute to the depth of technical talks through keynote presentations.

## TOPICS

The committee would like to encourage you to submit your abstracts for poster or oral presentations on the following topics:

### Geophysical Monitoring

- VSP
- Microseismic
- Long-term strain and temperature
- Subsea

### Integration

- Business impact
- Reservoir engineering
- Geomechanical modelling
- Best practices
- Progress in available tools
  - Processing
  - Interpretation

### Flow Measurements

- Leak detection
- Production monitoring
- Non-oilfield applications

### Current Challenges and Needs

- Advantages of fiber vs geophones
- Calibration of data
- Advances in theoretical background for advanced interpretation
- Processing challenges

## SUBMISSION GUIDELINES

The technical committee invites submissions of 2-4 page abstracts including at least one figure via the event website at [events.eage.org](http://events.eage.org).

The abstract submission deadline is 8 December 2019.



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## IMPORTANT DATES

The Call for Abstracts is now open!

Registration Opens	2 August 2019
Abstract Submission Deadline	8 December 2019
Early Registration Deadline	31 January 2020
Late Registration Deadline	28 February 2020
On-site Registration from	1 March 2020
Fiber Optic Sensing Workshop	9-11 March 2020

Visit the event website for more details!



## SPONSORING

The Fiber Optic Sensing Workshop offers excellent sponsoring opportunities to create high visibility for your brand. For more information about sponsoring, please refer to the 'Sponsor Guide' that is available on the event website or contact us via [eage.events@eage.org](mailto:eage.events@eage.org).

## CONTACT

For further up-to-date information, please visit the event website via [events.eage.org](http://events.eage.org) or contact the EAGE Europe Office via [eage.events@eage.org](mailto:eage.events@eage.org) or +31 88 9955055.



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