EAGE

# SEISMIC INVERSION 2022

2ND EAGE CONFERENCE ON SEISMIC INVERSION

7-9 FEBRUARY 2022 | PORTO, PORTUGAL & ONLINE

## FIRST ANNOUNCEMENT & CALL FOR ABSTRACTS

WWW.SEISMICINVERSION2022.ORG

# JOIN US!

Join us in the beautiful coastal city of Porto & online for the second edition of our conference dedicated to the latest advances and innovations in seismic imaging and inversion.

## About The Conference

The second EAGE Conference on Seismic Inversion will be an event of interest to geoscientists working in both industry and in academia. Seismic Inversion is a key process used extensively in exploration, production and geohazard studies. Inversion provides a way to visualize and analyze data at higher resolution than standard seismic, facilitating the estimations of reservoir properties, and acting as a link between rock physics and seismically interpreted structure models, ultimately improving the interpretation efficiency.

The conference will include 3 days of technical sessions highlighting various applications and methodologies used in the industry. The event will enable networking opportunities with top specialists in the geoscience community, bringing together geoscientists with experiences in conventional and unconventional resources, carbonates and clastics, and providing opportunities for an exchange of knowledge.

## Aim of the Conference

The intent of the conference is to discuss and demonstrate examples of current progress, recent breakthroughs and future trends in seismic inversion methodologies and their applications. Participants will have an opportunity to share their experiences and ideas which lead to a better understanding of the value of seismic inversion along with the limitations and areas for improvement discovered.

Seismic Inversion can be applied to reduce uncertainty for a wide variety of problems, which is reflected in the range of conference topics. We expect to address typical challenges in seismic inversion including layer properties prediction (both elastic and rock properties), azimuthal anisotropy, thin layer property estimation, detuning, hydrocarbon saturation, Direct Hydrocarbon Interpretation (DHI) and risk analysis, modification of prospects, and drainage strategies. The impact of machine learning, neural networks, artificial intelligence and cloud computing will also be on the agenda.

The conference coverage sets a high bar for the discussion of existing methods, latest developments, case studies, lessons learned, as well as the intricacies and expectations for the future.

## Technical Committee

| | |
|---|---|
| Leonardo Azevedo | Instituto Superior Técnico |
| Todd Bredbeck | Wintershall Dea |
| Tanya Colwell* | CGG |
| Luca De Vincenzi | Geofizyka International |
| Torstein Fjeldstad | NTNU |
| Sara Grant | BP |
| Peter Haffinger | Delft Inversion |
| Ask Frode Jakobsen | Qeye |
| Øyvind Kjøsnes* | AkerBP |
| Peter Mesdag | CGG |
| Mark Morford | FracGeo |
| Andrea Murineddu | WesternGeco |
| Cyrille Reiser | PGS |

*Co-chairs

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## Location

### Porto, Portugal

Considered the best European destination in 2012 by the European Consumers Choice, Porto is the most important city in the North of Portugal. Its historical centre has been recognized by UNESCO as a World Heritage site in 1996. Magnificent monuments, museums, old streets, bridges and houses reflect the historic authenticity of the city. Different artistic styles dominate in Porto's architecture from Romanesque, Gothic, Baroque to contemporary. The city is known for its unavoidable port wine cellars, taverns, as well as traditional and gourmet restaurants.

### Venue

**HF Ipanema Park**
R. de Serralves, 124
4150-702 - Porto, Portugal

## Conference Overview

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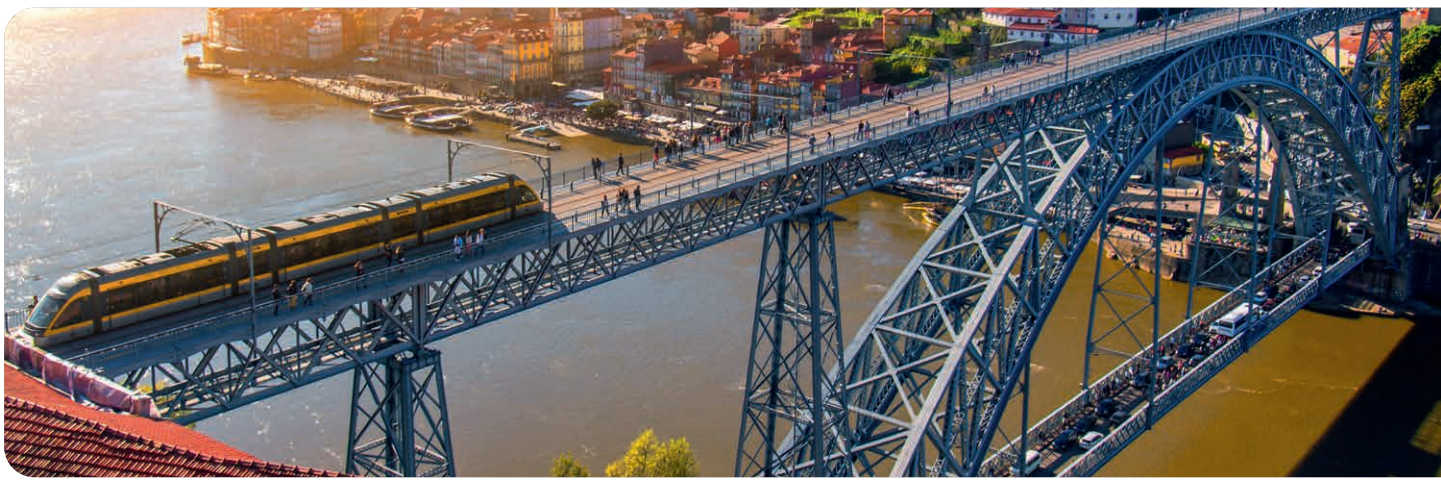
| 7 February 2022 | Technical Programme + Networking Reception |
| 8 February 2022 | Technical Programme + Conference Dinner |
| 9 February 2022 | Technical Programme |



## Technical Programme

The technical programme of the Seismic Inversion 2022 conference consists of oral and poster presentations on a broad selection of topics. Extended Abstracts (4 full pages) for this conference should be submitted by 27 October 2021. To submit a paper or for more information, please refer to www.seismicinversion2022.org.

The committee invites abstracts on a wide range of subjects related to seismic inversion including the following topics:

- Best Practices in Data Conditioning and Quality Control in Inversion
- Quantifying Uncertainty and Risk Mitigation
- Advantages and Disadvantages of Deterministic, Geostatistical, Stochastic Inversion
- Inversion Techniques for Lithology, Rock and Fluid Prediction
- Multi-component, Azimuthal and Other Inversion Methods Encompassing or Resolving Anisotropy
- FWI and Broadband Seismic Usages in Reservoir Characterization
- Advances in Time-lapse Analysis and Inversion
- Machine Learning Optimizations and Neural Network Based Inversions
- Improvements in Robust Prior Model Building (Neural Networks, FWI, other)
- Recent Innovations Related to the Seismic Inversion Process (Wave-equation Inversion, Non-linear methods, etc.)
- Integration of Inversion Products into Subsurface Workflows

## Social Media

Follow **#eageseismicinversion2022** in your social media channels (Twitter, LinkedIn and Facebook) and get the latest updates about this conference!

## Important Dates

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| Call for Abstracts Deadline | 27 October 2021 |
| Early Registration Deadline | 30 November 2021 |
| Regular Registration Deadline | 16 January 2022 |
| Seismic Inversion Conference | 7-9 February 2022 |

## Sponsoring

Seismic Inversion 2022 offers excellent sponsorship opportunities giving your brand high visibility with the ability to reach a large and targeted audience. For more information about sponsorship, please refer to the Sponsor Guide on the event website or contact us at corporaterelations@eage.org.

### Lanyards Sponsor

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## Contact

Seismic Inversion 2022 conference is organized by the EAGE Europe Office. For enquiries please contact the EAGE Europe office at +31 889955055 or email eage@eage.org. For up-to-date information visit: **www.seismicinversion2022.org**.

**www.seismicinversion2022.org**

**HEAD OFFICE** • PO BOX 59 • 3990 DB HOUTEN • THE NETHERLANDS • +31 88 995 5055 • EAGE@EAGE.ORG

**EUROPE OFFICE**
+31 88 995 5055
EAGE@EAGE.ORG

**RUSSIA & CIS OFFICE**
+7 495 640 2008
MOSCOW@EAGE.ORG

**MIDDLE EAST/AFRICA OFFICE**
+971 4 369 3897
MIDDLE_EAST@EAGE.ORG

**ASIA PACIFIC OFFICE**
+60 3 272 201 40
ASIAPACIFIC@EAGE.ORG

**LATIN AMERICA OFFICE**
+57 1 7449566 EXT 116
AMERICAS@EAGE.ORG