EAGE

SEISMIC INVERSION 2020

1ST EAGE CONFERENCE ON SEISMIC INVERSION

26-28 OCTOBER 2020 | PORTO | PORTUGAL

FIRST ANNOUNCEMENT & CALL FOR ABSTRACTS

WWW.SEISMICINVERSION.ORG

JOIN US IN PORTO!

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

About The Conference

The First EAGE Conference on Seismic Inversion will be an event of interest to geoscientists working in many roles in industry and 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, it facilitates better estimations of reservoir properties and acts as a link between rock physics and seismically interpreted structure models, ultimately improving the interpretation efficiency.

The latest advances and innovative technologies that solve difficult and complex problems will be presented as well as case studies and practical applications demonstrating the recent and established inversion methods.

The conference will include three (3) days of technical sessions highlighting various applications and methodologies used in the industry. The event will provide networking opportunities with top specialists in the geosciences community. Bringing together geoscientists focused on conventional and unconventional plays, as well as carbonates and clastics provides an opportunity to have an exchange of knowledge between specialists applying inversion with diverse objectives.

Aim of the Conference

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

As a first meeting dedicated to seismic inversion, we are to some extent entering uncharted territory as far as the range of relevant topics is concerned. We expect to address typical challenges in seismic inversion including layer properties prediction (both elastic and rock properties), azimuthal anisotropy, thin layer property prediction, detuning, hydrocarbon saturation, DHI risk modification of prospects, and drainage strategies. The impact of machine learning, neural networks, artificial intelligence and cloud computing will certainly be on the agenda.

This covering intends to set the bar for serious discussion on existing applications including case studies with lessons learned, but also on how we can expect the various options in seismic inversion can be further developed to meet the needs of the industry.

Technical Committee

Leonardo Azevedo	Instituto Superior Técnico
Todd Bredbeck	Wintershall Dea
Tanya Colwell	CGG
Luca De Vincenzi	Dragon Oil
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

26 October 2020	Technical Programme + Networking Reception
27 October 2020	Technical Programme + Conference Dinner
28 October 2020	Technical Programme

Technical Programme

The technical programme of the Seismic Inversion 2020 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 3 May 2020. To submit a paper or any additional information, please refer to www.seismicinversion.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 **#eageseismicinversion2020** in your social media channels (Twitter, LinkedIn and Facebook) and get the latest updates about this conference!

Important Dates

Call for Abstracts Deadline	3 May 2020
Early Registration Deadline	15 July 2020
Regular Registration Deadline	15 September 2020
Seismic Inversion Conference	26-28 October 2020

Sponsoring

Seismic Inversion 2020 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 eage.events@eage.org.

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Contact

Seismic Inversion 2020 conference is organized by the EAGE Europe Office. For enquiries please contact the EAGE Europe office at +31 889955055 or email eage.events@eage.org For up-to-date information visit: **www.seismicinversion.org**.

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