

EAGE

EUROPEAN
ASSOCIATION OF
GEOSCIENTISTS &
ENGINEERS



First EAGE Workshop on Land Seismic Acquisition

8-9 MAY 2025 • CALGARY, CANADA

- **First Announcement**

WWW.EAGE.ORG

WORKSHOP OVERVIEW

Join us for the First EAGE Land Seismic Acquisition Workshop on May 8–9, 2025, in Calgary, Alberta, Canada. This two-day event will delve into the latest innovations and solutions in land seismic acquisition, with four focused sessions on sampling, sensors, sources, and field implementation.

The workshop addresses advancements that have enhanced seismic resolution and field efficiency, as well as the challenges of operating in diverse environments—from high-density Vibroseis operations to rugged terrains with equipment limitations. Designed for both operators and vendors, the event will provide actionable insights and solutions to optimize upcoming land seismic acquisition programs.

MEET THE TECHNICAL COMMITTEE

Andrea Crook	OptiSeis
Andres Garzon	Sismiqo
Howard WATT	Sercel
Xianhuai Zhu	FGS
Marcela Ortin	SLB
Mike Dahl	Geospace Technologies
Mikael Garden	OMV
Jeff Mackie	SAExploration
Tim Dean	Anglo American
Chengbo Li	ConocoPhillips



TOPICS

1. Sensors

- Case studies on application of various sensor types (cabled vs. nodal vs. alternative)
- Case studies on permanent systems for ongoing monitor
- Technical comparisons focused on optimal parametrization (Example: frequency content)
- Combination approaches - cabled, nodal, and ambient noise monitoring

2. Source

- Case studies showcasing different types of sources (Example: Vibroseis vs Explosive vs. Alternative)
- Challenges of mixed source acquisition in areas with varying access or topography (Example: how to parameterize for equal energy)
- Technical comparisons on optimal parametrization (Example: low frequency source, dispersed arrays)
- Case studies on CCUS sources (Example: Active vs. Low-cost, permanent sources)

3. Theoretical Design

- Alternative geometry designs - benefits of irregular sampling, compressive sensing, high-density linear sampling, ultra-long offset acquisition, etc.
- Best practices for designing for advanced processing, FWI, etc.
- Case studies addressing near-surface changes and other subsurface issues
- Comparison of conventional vs. alternative geometries. Example: CCUS/Geothermal designs within cities

4. Implementation

- Case studies presenting how equipment selection and parameterization impact final technical results
- Case studies on improving the efficiency of field operations
- Operational considerations for urban seismic acquisition
- Case studies highlighting the benefits of incorporating active and passive seismic

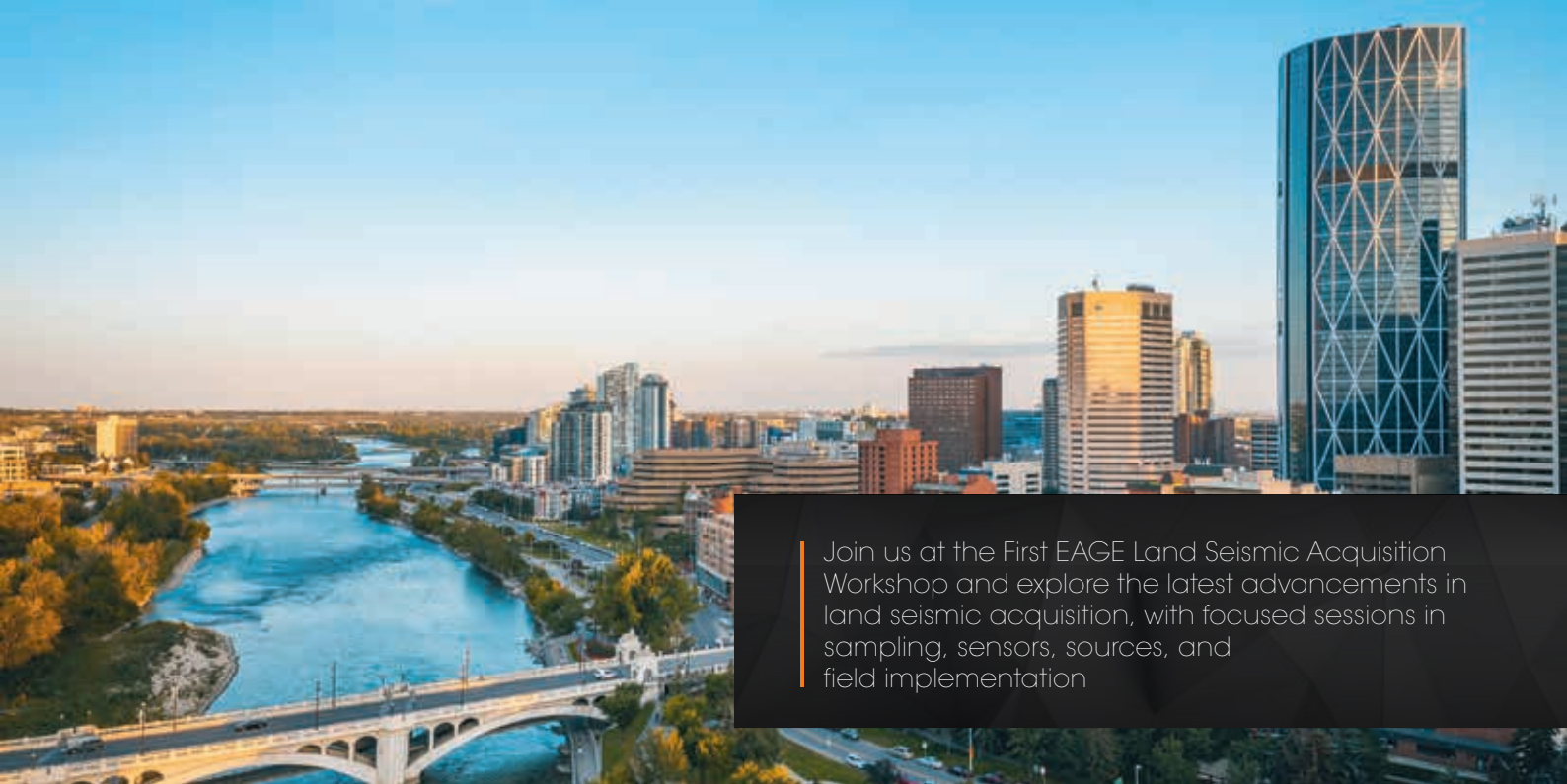
Registration will open soon!

LOCATION*

Calgary, located in southern Alberta, Canada, is a dynamic city distinguished by its unique physical setting at the foothills of the Canadian Rockies, offering a dramatic contrast to the flat prairies typical of the region. A relatively young city, Calgary serves as the administrative and financial hub of Canada's petroleum industry, and its vibrant downtown features a mix of shopping, fine dining, museums, and entertainment. The city is also known for its culturally rich atmosphere, with a blend of Western heritage and modern cosmopolitan influences, offering a variety of public art, local breweries, and diverse neighborhoods. In addition to being a business and energy center, Calgary boasts cultural institutions such as opera, ballet, symphony, and theater, making it a lively and multifaceted city.

**Please make sure you check the official website*

<https://www.canada.calen.html> in case you need to apply for a VISA.



Join us at the First EAGE Land Seismic Acquisition Workshop and explore the latest advancements in land seismic acquisition, with focused sessions in sampling, sensors, sources, and field implementation

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CONTACT

The First EAGE Workshop on Land Seismic Acquisition is organized by the EAGE Latin America Office. For enquiries please contact by email lan@eage.org For up to-date information visit:



UPCOMING

REGIONAL WORKSHOPS & CONFERENCES

FIRST EAGE/SBGF WORKSHOP ON MARINE SEISMIC ACQUISITION

21-22 May • Rio de Janeiro - Brazil

SECOND EAGE CONFERENCE AND EXHIBITION ON GUYANA - SURINAME BASIN

9-11 September • Georgetown-Guyana

FIRST EAGE WORKSHOP ON ENERGY TRANSITION IN LATIN AMERICA'S SOUTHERN CONE

17-18 September • Buenos Aires-Argentina

FIRST EAGE WORKSHOP ON GEOPHYSICAL TECHNIQUES FOR MONITORING CO2 STORAGE

21-22 October • Toronto-Canada

FIRST EAGE CONFERENCE ON THE FUTURE OF MINERAL EXPLORATION: CHALLENGES AND OPPORTUNITIES

14-16 October • Santiago de Chile-Chile

THIRD EAGE WORKSHOP ON GEOTHERMAL ENERGY IN LATIN AMERICA

12-14 November • Guanacaste-Costa Rica

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