



EAGE

EUROPEAN
ASSOCIATION OF
GEOSCIENTISTS &
ENGINEERS



2nd EAGE Workshop on Fluid Flow in Faults and Fracture

MODELLING, UNCERTAINTY AND RISK

15-16 AUGUST 2023 • CANBERRA, AUSTRALIA

- **First Announcement**
-

WWW.EAGE.ORG

TECHNICAL COMMITTEE

Titus Murray (Chairperson)	Southern Highlands Structural Geology
Trey Meckel (Co-Chairperson)	Monteverde Energy
Stephen John Calvert	Brunei Shell Petroleum
Laurent Langhi	CSIRO
Dave Dewhurst	CSIRO Energy
Richard Cresswell	Eco Logical Australia
Doug Peacock	GaffneyCline
Adam Bailey	Geoscience Australia
Samir Marzouk	Halliburton
Gerhard Schöning	Office of Groundwater Impact Assessment (OGIA)
Thomas Flottmann	Origin Energy
Pedro A Restrepo-Pace	PETRONAS
Kanitthorn Adisornsupawat	PTTEP
Sarawute Chantraprasert	PTTEP
Carlo Sanders	Repsol
Peter Baker	South Australian Department of Environment and Water
Scott Mildren	Tech Limit
Jim McCallum	The University of Western Australia

INTRODUCTION

Broadly we are a wide range of geoscientists divided by a common language:

- Faults are invoked as lateral barriers, lateral baffles and vertical conducts (fault transmissibility).
- Hydraulic conductivity is a combining porous continuum (permeability and porosity), fracture flow (transmissivity/storativity), and vuggy systems.
- Flow also occurs through, decommissioned wells/ boreholes, abandoned mines, damage zones and collapsing subsidence regions (goaf)
- There are issues related to terminology describing flow (reservoir/aquifer) and low flow units (seals/aquitards).
- How can we better understand the containment and flow of multiphase, missable and non-missable fluids?
- What is the link between stress, strain and flow?

In general, these terms are sensibly used within industries but often make implicit assumptions. These assumptions can lead

to cognitive bias. Looking across industries it is hoped that this workshop will help unify terminologies and processes.

OBJECTIVES

This workshop will bring together a wide range of practitioners and stakeholders considering fluid flow in fractures and faults. Faults are often conceptualised as barriers and conduits for fluid flow by many different subsurface professionals. A key aim of the meeting will be to evolve workflows, and practices to better describe uncertainty and risks related to faults and fractures.

CALL FOR ABSTRACTS

The Call for Abstracts for 2nd EAGE Workshop on Fluid Flow in Faults and Fracture is open! The submission deadline is set to 28 May 2023, 23.59 hrs (GMT +11). After this date, it is no longer possible to add submissions. Please scan the QR code to visit the event website and learn more information on abstract submission.

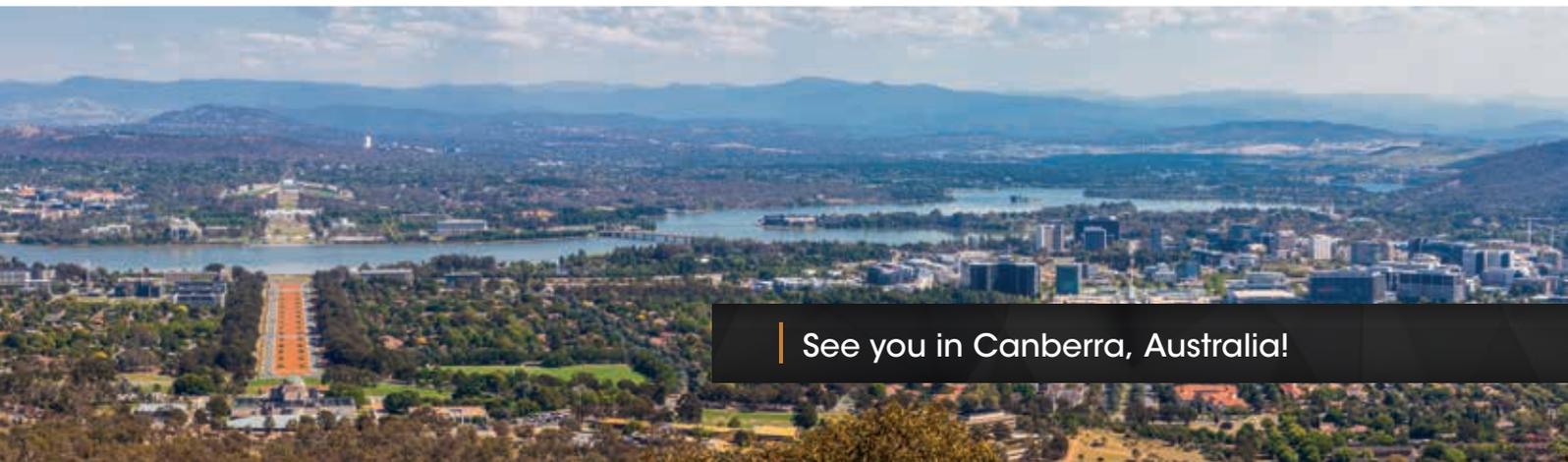


TOPICS

During the workshop, we will encourage case studies and use panel sessions to address a wide range of specific risk analysis procedures across industries.

- Risk and Uncertainty for Faults, Fractures and Fluid Flow at Field Scale
- Role of Faults and Fractures in CO2 Storage
- Hydrogeological Approaches to Fault and Fracture Flow
- Geomechanical Approaches to Fault and Fracture Flow
- Lab to Field Measurements, Data Gathering and Uncertainty Reduction
- Measuring and Modelling, Solute, Particle and Multiphase Flow in Fractures and Faults

All information provided is correct at the time of printing and is subject to change without notice.



See you in Canberra, Australia!



SPONSORSHIP

Why Become a Sponsor?

This event is a great opportunity to obtain the latest information on developments in the industry and expand your network and exchange ideas, meanwhile sponsorship enhances your visibility and corporate image before an international audience. Companies are invited to participate in the sponsorship of the 2nd EAGE Workshop on Fluid Flow in Faults and Fracture and achieve high visibility in a qualitative and uncluttered environment. The programme offers a diverse investment that's sure to help you reach your target audience.

Sponsoring or exhibiting at the event will enable you to:

- Increase your visibility before an international audience
- Enhance your corporate image
- Reach an influential, exclusive audience
- Break through the media clutter
- Associate your company with EAGE – the world's truly multi-disciplinary geoscience and engineering society

For information on sponsorship packages, please contact EAGE Asia Pacific office at asiapacific@eage.org or call us at +603 2722 0140



EUROPE OFFICE
+31 88 995 5055
EAGE@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

AMERICAS OFFICE
+57 310 8610709
AMERICAS@EAGE.ORG

ASIA PACIFIC OFFICE • UOA CENTRE • OFFICE SUITE 19-15-3A • 19, JALAN PINANG • 50450 KUALA LUMPUR, MALAYSIA

www.eage.org



join us on social media!