

# Sixth EAGE Borehole Geology Workshop

ADVANCING BOREHOLE GEOLOGY: INTEGRATING MULTIDISCIPLINARY APPROACHES

22-24 SEPTEMBER 2025 • MONTPELLIER, FRANCE

Programme

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### **TECHNICAL COMMITTEE**

The Technical Programme Committee is integral to the workshop and enables EAGE to continue its mission in the development and application of geosciences to promote innovation and technical progress in communities worldwide.

Mohammed M. Al-Fahmi (Co-Chair)	Aramco	
Chandramani Shrivastava (Co-Chair)	SLB	
Christian Rambousek	NiMBUC Geoscience	
Roberto Berto	ENI	
Mohamed Helmy	Kuwai Oil Company	
Ahmed Taher	Halliburton	
Carsten Vahle	Eriksfiord	
Pedro Vieira	Equinor US	
Candida Menezes de Jesus	Petrobras	
Florian Bender	Equinor	
Cristina Manrique	Repsol	
Meriem Bertouche	Badley Ashton	
Jean-Michel Embry	Baker Hughes	
Mateusz Cyprych	Task Fronterra	
Lawrence Bourke	Task Fronterra	
Mandefro Belayneh Woldeamanuel	Aramco	
Dave Saucier	bp	

### **WORKSHOP OVERVIEW**

Join us for the highly anticipated **Sixth EAGE Borehole Geology Workshop**, taking place from **22–24 September 2025**, as we continue the legacy of knowledge-sharing and innovation established in our previous editions (2015, 2017, 2019, 2021, and 2023).

This year's workshop, held under the theme, **Advancing Borehole Geology: Integrating Multidisciplinary Approaches** will explore how borehole geology is evolving through integration with multidisciplinary technologies and methods. With a focus on **bridging the gap between 1D borehole data and 3D digital earth models**, the programme will delve into cutting-edge innovations, practical applications, and the expanding role of borehole geology across diverse industries—including **energy**, **mining**, **and environmental sectors**.

The workshop will provide a platform for discussing and sharing knowledge on various aspects of borehole geology, including hydrocarbon reservoir and field studies, best practices, integrated approaches, and new applications in emerging fields.

Furthermore, this event will serve as a catalyst for collaboration among borehole geologists and professionals from other

subsurface disciplines. Join us from 22 - 24 September 2025, to be part of this exciting opportunity to advance our understanding of borehole geology and its applications.

### **TOPICS**

- Classical Applications in Sedimentary and Structural Geology
- Subsurface reservoir characterization
- Case studies of borehole data applications
- Frontiers in multidisciplinary approaches of subsurface data
- 2. Addressing Reservoir Architecture
- Structural modeling, including structural restorations and fracture modeling
- Mechanical Earth Models (MEM) and Reservoir geomechanics
- Heterogeneity and Anisotropy
- 3. Quantifying Reservoir Attributes
- Petrophysics (porosity, permeability, saturation)
- Geochemistry (maturity, migration, diagenesis)
- Micro-seismicity
- Integration of Core/ Plugs with borehole measurements
- 4. Well Operations and Technology
- New measurements in borehole geology (borehole images, mud logging)
- Advances in coring, borehole logging, and geosteering technologies
- Best practices in challenging downhole environments (drilling and formation related)
- Wellbore stability and drilling geomechanics
- Well completion, stimulation, deep reservoir sensing enabled by borehole geology
- 5. Data analytics in borehole geology
- Al/ML enabled workflows in borehole image interpretation
- Uncertainty evaluation/quantification and ranking of image log interpretations
- Innovative solutions and Case studies
- 6. Sustainability in Energy Mix
- Geothermal energy
- Hydrogen exploration and storage
- Carbon capture & storage (CCUS)
- Waste disposal (drilling waste, nuclear waste)

### PRE-WORKSHOP FIELD TRIP

A Story of Brittle Fractures through the Tectonic and Stratigraphic Evolution of Languedoc, Southern France

Date: Sunday, 21 September 2025

**Time:** 07:00 – 19:00 **Cost:** EUR 200 per person

Inclusions: Transportation, lunch, water and snacks,

guidebook

Enhance your workshop experience with an exclusive field trip exploring the natural fracture networks in the eastern Languedoc region. This excursion offers hands-on learning through the examination of outcrops that reveal the area's complex tectonic and stratigraphic history.

### Highlights

**Location 1: Lodève Permian Basin** – Observe fractures resulting from early deformation episodes in the Salagou Formation, providing insights into fracture development and fluid circulation during basin evolution.

**Location 2: Coulazou Valley** – Study fracture patterns within Mesozoic carbonates, offering a comparative perspective on fracture genesis across different geological settings.

Participants will gain valuable experience in identifying and characterizing fractures, enhancing their understanding of subsurface reservoir dynamics

### Field Trip Leaders



**Christopher Wibberley** 

Technical advisor in structural geology (Faults & Fractures), TotalEnergies SE

Chris is a senior technical advisor at TotalEnergies, specializing in structural geology, hydrodynamics and seals. After studying geology at Oxford, and a Ph.D. at Leeds, he held research positions at Montpellier, Kyoto and Cambridge. He obtained his senior research habilitation as a university lecturer in Nice – Sophia Antipolis before moving to Total in 2007, working mainly as a specialist in the technical headquarters in Pau, along with 3 years in an exploration unit in an African affiliate. Chris has led numerous fieldtrips in Europe over the years, for students when a university lecturer, internally at TotalEnergies, and also for conferences including EAGE Fault & Topseals.



Pascal Richard Independent Consultant, PRgeology

Pascal Richard holds a PhD from the University of Rennes

(France) on strike-slip tectonics. He worked 30 years in Shell, first in the structural geology research department, with a special focus on fault growth and structural styles. He then focused on the characterization and modeling of fractured reservoirs. Pascal worked both at exploration and production scales in a variety of structural settings, with a strong focus on the Middle East. Pascal had an active coaching role. He developed and facilitated a wide range of structural geosciences courses. During his last years in Shell, he was the head of the Structural Geology Discipline. Pascal is now an independent consultant at PRgeology. He provides teaching on fractured reservoirs and structural geology. He is also developing collaborative virtual reality and physical field courses, cooperates with universities on research projects and supervises MSc and PhD students.

### STRATEGIC PROGRAMME

**Keynote Speakers** 



**Lawrence Bourke** 

Executive Chairman, Task Fronterra Geoscience

Keynote Title: 39 years of applied Borehole Image interpretation: lessons learned, trends and expectations



Josselin Kherroubi

Director (Exploration) Head of the Artificial Intelligence Laboratory (Al Lab), SLB, France



**Peter Barrett** 

Product Champion for Wireline Images, Halliburton, USA



**Pascal Richard** 

Structural Geology Consultant PR Geology

Keynote Title: The use of bore-hole images for fractured reservoir characterisation OR Bore-hole images in fracture reservoir characterisation; a reflexion based on 30 year of application in E&P



Figure 1: Topographic map of the area of Montpellier and positionon of the main outcrop location. (b) 1/1000000 Geological Map of France with the positionon of the main outcrop locations. (c) Outcrop location (1) displayed on the regional 1/50000 geological map. (d) Outcrop location (2) on the regional 1/50000 geological map. Map source: hps://infoterre.brgm.fr/.

### **GENERAL INFORMATION**

#### Venue Information

SLB Montpellier Technology Center

Address: 895 Rue de la Vieille Poste, 34000 Montpellier,

France

Contact: +33 4 30 63 87 00

### Nearby Hotels to Workshop Venue

4\* Radisson Blu Hotel, Montpellier:

- 3\* ibis Montpellier Centre Comédie:
- 4\* Courtyard Montpellier
- 3\* Hôtel Mercure Montpellier Centre Comédie

### **EAGE** Registration Desk

We encourage delegates to visit the EAGE Registration Desk to learn about membership benefits and upcoming events to make the most of your EAGE involvement. We welcome feedback on EAGE's activities for us to improve upon our membership services.

### Badge collection will open at the following times:

22 September 2025 7.30 am – 9.00 am (UTC+01:00.)

#### Photo and Video Regulations

Photography and video/audio recording of any kind are strictly prohibited in the technical sessions.

EAGE strives to bring you the greatest and latest of scientific and technical advances. Due to the importance of the technical content, EAGE upholds a photography and videography policy, in an endeavour to protect these leading-edge technologies.

### Wi-Fi

Delegates may connect to free Wi-Fi at the venue. Wifi details will be provided onsite.

### **Deliverables**

The following are included in the delegate fee

- Access to workshop technical sessions
- Daily Luncheon
- Daily Morning and Afternoon refreshments
- Event proceedings via EAGE's EarthDoc (for EAGE members only)
- Complimentary EAGE Membership will be included for the remainder of 2025 (for fully paid non-members)
- All Social Events



#### **TECHNICAL PROGRAMME**

### Guided field trip | Sunday, 21 September 2025

PRE-WORKSHOP FIELD TRIP		
08:30	Assembly at the SLB Technology Center	
09:00	Montpellier City Center to the outcrop (Lodève Permian Basin)	
10:00	Lodève Permian Basin Stop	
11:30	Outcrop 1 (Lodève Permian Basin) to Outcrop 2 (Coulazou Valley)	
12:15	Lunch Break	
13:15	<b>Coulazou Valley Stop</b> - It includes 1-1.5 hrs walk on a rocky or gravel-cover path (relatively easy)	
16:15	Leave Outcrop 2 to Montpellier City Centre	
17:15	End of Field Trip	

Oral I	Oral Presentations   Monday 22 September 2025			
CORTEN & GABION MEETING ROOMS				
08:00	Registration & Welcome Coffee			
08:30	HSSE From SLB Technology Centre Reps			
08:35	Welcome by Co-Chairs Mohammed M Fahmi (Aramco) & Chandramani Shrivastava (SLB)			
08:45	Opening Address by SLB Technology Centre			
<b>Sedi</b> Sessio	Oral Session 1- Classical Applications in Sedimentary and Structural Geology Session Chairs: Meriem Bertouche (Badley Ashton) & Carsten Vahle (Eriksfiord)			
09:00	Keynote 1 - 39 years of applied Borehole Image interpreta- tion: lessons learned, trends and expectations - Lawrence Bourke (Task Fronterra Geoscience)			
09:30	An Integrated Approach to the Characterization of Complex Fault Zones in Fractured Siliciclastic Reservoirs - R. Berto <sup>1*</sup> , M.T. Galli¹, F. La Valle¹, A. Fasto¹, V. Napolitano¹, F. Chinellato¹, A. Guglielmelli¹ ¹Eni Natural Resources			
09:50	Validity of depositional interpretation from borehole image without integration of core: a case study from Kuwait - N. Foote¹, B. Kostic¹, M. Bertouche¹*, L. Hayat², M. Helmy² ¹Badley Ashton & Associates Ltd; ²Kuwait Oil Company			
10:10	Morning Coffee Break			
10:40	Expanding borehole image interpretation beyond the well- bore: examples of integration between wells and with other data - B. Callaghan <sup>1*</sup> <sup>1</sup> Task Fronterra Geoscience			
11:00	Sedimentology of a Visean fluvio-deltaic system through integration of BHI and core, Dnipro-Donetsk Basin - S. Burns¹*, J. Cater¹, M. Looser¹, S. lareshchenko², I. Solodkyi²¹PetroStrat Ltd; ²DTEK Oil&Gas			
11:20	Using downhole logging data and core physical properties to characterise the Chicxulub impact craterbe - E. Le Ber <sup>1*</sup> , J. Lofi <sup>2</sup> , G. Lods <sup>2</sup> , D. Loggia <sup>2</sup> , L. Brun <sup>2</sup> , G. Henry <sup>2</sup> <sup>1</sup> University of Leicester; <sup>2</sup> Géosciences Montpellier			
11:40	Application of image-logs to tidal ridges in the offshore Cook Formation (E. Jurassic) North Sea A. Folkestad¹*, Z. Veselovsky² ¹Equinor ASA; ²Eriksfiord ASA			
12:00	Topology-based hydraulic connectivity & fracture permeability by using borehole image logs - A. Petrik <sup>1*</sup> , C. Vahle <sup>1</sup> , I.P. Gianotten <sup>2</sup> , L.I. Tøan <sup>2</sup> , L. Roho <sup>2</sup> , K. Galbraith <sup>2</sup>			

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<sup>1</sup>Eriksfiord AS; <sup>2</sup>Aker BP

### Oral Presentations | Monday 22 September 2025

12:20 Lunch Break - Pierre and Marie Curie

### **SESSION 2 - Reservoir Architecture**

Session Chairs: Roberto Berto (ENI) & Mateusz Cyprych (Task Fronterra)

13:20 Integrated borehole image and rotary sidewall core characterisation of the Palaeocene-Eocene deepwater Sele Formation, Capercaillie Field, Central North Sea -

M. Bertouche<sup>1\*</sup>, A. James<sup>2</sup>, D. Payne<sup>3</sup>, M. Ashton<sup>4</sup>, N. van den Beukel<sup>5</sup>, D. Storer<sup>6</sup>

<sup>1</sup>Badley Ashton & Associates Ltd; <sup>2</sup>Ashton Geology Ltd.; <sup>3</sup>BP Exploration Operating Company Ltd

13:40 Utilizing borehole images for high-resolution static modeling of thin-layered reservoirs. in north Western Desert, Egypt - M. Ghanim<sup>1\*</sup>, A. El Araby<sup>2</sup>, H. Salah<sup>3</sup>

¹SLB; ²SLB & Cairo University; ³SLB

### Poster Session 1: Classical Applications in Sedimentary and Structural Geology

14:00 Lightning Session - Presenters introducing their posters

Integrated 3D Petographic and Petrophysical Insights into the Permian Amb Formation, Pakistan. - M. Ghani<sup>1\*</sup>, I.U. Jan<sup>2</sup> <sup>1</sup>University Of Goettingen; <sup>2</sup>University of Peshawar

Integration of Advanced Logging Evaluation Techniques Proves Additional Reserves from Thin Bed, Low Resistivity Pay Formations - M. Rashaid!\*

Hydrocarbon Prospectivity within the Interval "A" of the Villeta Formation in the Putumayo Foreland Basin - M Alaimo $^{1*}$ 

<sup>1</sup>GeoPark; <sup>2</sup>École polytechnique; <sup>3</sup>Universidad de los Andes

**An overview of Géosciences Montpellier's wireline logging capabilities** - E. Le Ber<sup>1,3\*</sup>, J. Lofi², G. Lods², G. Henry², L. Brun², S. Barry², P. Pezard²

<sup>1</sup>Ecord - lodp3; <sup>2</sup>Géosciences Montpellier; <sup>3</sup>University of Leicester

Comprehensive Geophysical Evaluation of Geothermal Potential in the Sandstone Reservoir, Netherlands - I. Wu¹\*, S. Parashar², H. Mora³, A. Janszen⁴, M. Kowloski⁵, \_\_\_\_\_

¹Halliburton: ²EBN

14:10 Afternoon Coffee Break & Poster Presentations Day 1

### **SESSION 2 - Reservoir Architecture (Contd.)**

Session Chairs: Christian Rambousek (NiMBÙC Geoscience) & Mateusz Cyprych (Task Fronterra)

14:40 Integrated true color borehole image: finding formation property changes within the image - C. Morelli¹, S. Di Santo¹, K. Moe², Y. Yamada³ C. Shrivastava¹\*

¹SLB; ²JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY; ³Kyushu University

15:00 Uncovering the unseen: Integrating deformation detection technologies - M. Mergany<sup>1</sup>, Y. I. Ramadhan<sup>2</sup>, M. Alfahmi<sup>3\*</sup>

15:20 Integration of Borehole Images and Core for Depositional Environment and Sequence Stratigraphy: Case-study from Southern Iraq - W. An², F. Yongjun², X. Nie², G. Sultan¹\*, A. El Araby³, A. Selmy³, A. Shabeeb⁴, W. Elward⁴
¹Slb; ²KEBL; ³SLB; ⁴SLB

15:40 Closing Remarks by Co-Chairs

15:50 End of Day 1

### Oral Presentations | Tuesday 23 September 2025

### **CORTEN & GABION MEETING ROOMS**

08:00 Registration & Welcome Coffee

08:30 Welcome by Co-Chairs Mohammed M Fahmi (Aramco) & Chandramani Shrivastava (SLB)

**SESSION 3- Quantifying Reservoir Attributes**Session Chairs: Meriem Bertouche (Badley Ashton) &
Chandramani Shrivastava (SLB)

08:40 Keynote 2 - Borehole images in fracture reservoir characterization; a reflection based on 30 year of application in E&P - Pascal Richard (PRgeology)

09:10 Loss zone characterization based on fracture aperture modelling using high resolution BHI data, Grane Field - N. Ritzmann¹, F. Bender²\*, S.R. Nunez², B.I. Torgersen² ¹Baker Hughes; ²Equinor

Petrophysical characterization of heterogeneous carbonate reservoirs for geological modeling – the case of buzios field, brazil - W. Bohn<sup>1\*</sup>, J.P. Da Fonseca<sup>1</sup>, V. Dutra<sup>1</sup>, A.R. Alves<sup>1</sup>, F.A. Brazil<sup>1</sup>, L. De Souza<sup>1</sup>, G. Fernandes<sup>1</sup>, J. Guerrero<sup>1</sup>, S. Pedrinha<sup>1</sup> 'Petrobras

09:50 Morning Coffee Break

10:20 Insights from streamline flow simulation of a faulted region - M.K. Qureshi¹\*, S.S. Ali¹, M.M. Al-Fahmi¹
¹Saudi Aramco

10:40 Predicting Fluid Production Rates in Tight Carbonates:
How Ensemble Learning Links Static and Dynamic Data E. Lauria<sup>1\*</sup>, M. Pirrone<sup>1</sup>, R. Berto<sup>1</sup>, M. Pelorosso

1Eni Natural Resources

11:00 Fossil Ferricrete making a reservoir invisible - 0. Tjugen<sup>1\*</sup>

11:20 Enabling Geosteering Process Automation for Accurate and Efficient Well Placement - M. Fouda<sup>1</sup>, A. Taher<sup>1</sup>, E. Bikchandaev<sup>1</sup>, S. Al Sawafi<sup>1\*</sup>

'Halliburton

11:40 Lunch Break - Pierre and Marie Curie

### **SESSION 4 - Well Operations and Technology**

Session Chairs: Florian Bender (Equinor) & Dave Saucier (bp)

12:40 Initial Results of Unique At-bit Imaging Technology
Examples from Middle East Carbonates - R. Berto<sup>1\*</sup>, D. Reolon<sup>1</sup>,
M. Pelorosso<sup>1</sup>, C. Shrivastava<sup>2</sup>
<sup>1</sup>Eni Natural Resources; <sup>2</sup>SLB

13:00 Feasibility Analysis and Formation Evaluation for Converting
Depleted Hydrocarbon Fields to Geothermal Energy
Production - J. Bynum¹\*, C. Wethington²
¹Baker Hughes; ²Environmental Resource Management

13:20 One man's noise is another man's signal: Semblance monitoring for safe drilling and drilling risk detectionbe - P. Nivlet<sup>1\*</sup>, R.M. Elde<sup>1</sup>, Y. Bityaltseva<sup>1</sup>

¹Equinor ASA

Austin: 3AkerBP

13:40 Adaptive Multidimensional and Multiresolution Inversion of Borehole Ultra-Deep Azimuthal Resistivity Measurements for 3D Imaging and Geosteering - N. Jahani<sup>1\*</sup>, W. Saputra<sup>2</sup>, C. Torres-Verdin<sup>2</sup>, E. Romsaas Fjeldberg<sup>3</sup>

¹Norce Norwegian Research Centre; ²The University of Texas at

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### Oral Presentations | Tuesday 23 September 2025

### Poster Session: Well Operations and Technology

14:00 Lightning Session - Presenters introducing their posters

Assessing the impact of parameter interdependence on wellbore stability analysis and strategic decisions - M. Al-sharea<sup>1\*</sup>

<sup>1</sup>Heriot-watt University

Geomechanics Study and Laboratory Testing for Time-Dependent Borehole Analysis in Cisubuh Formation, Well ABC-025, Indonesia - R.W. Nurcahyo<sup>1\*</sup>, A. Restyanto<sup>2</sup>, D.A. Wahyudi<sup>2</sup>, B. Biondi<sup>2</sup>, A. Endartyanto<sup>1</sup> <sup>1</sup>Elnusa; <sup>2</sup>Pertamina

The future of Iwd borehole imaging: high-resolution ultrasonic images in real time - D.M. Criollo Barrios<sup>1\*</sup>, P. Caldas<sup>1</sup>, S. Carrilero<sup>1</sup>, S. Ahmad, J.A. Herrera <sup>1</sup>Halliburton

Leveraging geosteering and dipole sonic to maximize production of horizontal well fracturing. - K. Adisornsupawat<sup>1\*</sup> <sup>1</sup>PTT Exploration And Production

**Enhancement of Wellbore Modelling Using High-Resolution Images -** C. Chatterjee<sup>1\*</sup>, I. Basu<sup>2</sup>
<sup>1</sup>Slb; <sup>2</sup>SLB

Enhancing Permeability Evaluation in Laterally Heterogeneous Carbonate Reservoirs Using Logging-While-Drilling Laterolog Resistivity Tool - S. Al Sawafi<sup>1\*</sup>

14:10 Afternoon Coffee Break & Poster Presentations Day 2

## Session 4: Well-Operations & Technology (Contd.)

Session Chairs: Carsten Vahle (Eriksfiord) & Dave Saucier (bp)

14:40 Time dependent three-dimensional break out morphology development using multi-physics BHI data, Breidablikk Field - F. Bender<sup>1\*</sup>, A.S. Adedamola<sup>1</sup>, B.I. Torgersen<sup>1</sup>, M. Horstmann<sup>2</sup>, C. Shrivastava<sup>2</sup>
<sup>1</sup>Equinor; <sup>2</sup>SLB

15:00 Assessment of Directional Drilling Artefacts with Ultrasonic Images While Drilling - J. Mather<sup>1\*</sup>, F. Van Vliet<sup>2</sup>, J. Domenc<sup>1</sup>, W. Chow<sup>1</sup>, V. Li<sup>1</sup>, Q. Li<sup>1</sup>, C. Shrivastava<sup>2</sup>

<sup>1</sup>Oliden Technology. Llc; <sup>2</sup>SLB

15:20 Closing Remarks by Co-Chairs

15:30 End of Day 2

9:00 Workshop Dinner - RESTAURANT BG By L'Endroit

### **Oral Presentations**

Wednesday 24 September 2025

### **CORTEN & GABION MEETING ROOMS**

08:00 Registration & Welcome Coffee

08:30 Welcome by Co-Chairs Mohammed M Fahmi (Aramco) & Chandramani Shrivastava (SLB)

### SESSION 5 - Data analytics in borehole geology

Session Chairs: Chandramani Shrivastava (SLB) & Cristina Manrique (Petrobras)

08:40 Keynote 3 - Automation Journey of Borehole Image Interpretation: Advances and Challenges - Josselin Kherroubi (SLB)

09:10 Enhancing ML-Based Reservoir Characterisation with Large Language Models: A Multi-Agent RAG Workflow for Improved Sedimentological Prediction - M.A. Seksaf<sup>1\*</sup>, D. Clay<sup>1</sup>, B. Kostic<sup>1</sup>, R. Smith<sup>1</sup>, D. Charlaftis<sup>1</sup>

1Badley Ashton

09:30 Leveraging Large Language Models To Extract Lithostratigraphic Properties From Well Reports -

S. Ouzineb<sup>1\*</sup>, S. Wlodarczyk<sup>1</sup>, H. Beurdouche<sup>1</sup>, S. Salimath<sup>1,2</sup>, Z. Zhou<sup>1</sup>, P. Malige<sup>1</sup>, X. Chang<sup>1</sup>
'Slb: <sup>2</sup>Université Paris Saclav

### **Oral Presentations**

Wednesday 24 September 2025

A Semi-Supervised Approach for Borehole Image Log
 Structures Segmentation for Small Labeled Datasets - A.Í. Da
 Cunha¹, G. Dos Anjos¹\*, R. Nascimento¹, C. Menezes de Jesus²,
 J.J.H. Jauregui¹
 ¹Pontifical Catholic University of Rio de Janeiro; ²Petrobras

10:10 Leveraging Regeneration Learning for Improved Acoustic

Leveraging Regeneration Learning for improved Acoustic Image Log Quality Assessmentbe - R.A. Frota<sup>1\*</sup>, C. Menezes de Jesus<sup>1</sup>, G.A. Barreto<sup>2</sup>, M.M.B.R. Vellasco<sup>3</sup> 'Petrobras; <sup>2</sup>Federal University of Ceará (UFC); <sup>3</sup>Pontifical Catholic University of Rio de Janeiro (PUC-Rio)

10:30 Holistic image-based approach to overcome data limitations in building robust petrophysical models of low contrast pays - M.T. Gallii\*, R. Berto¹, M.G. Grandis¹ 'Eni Natural Resources

### Poster Session : Data analytics in borehole geology

10:50 Lightning Session - Presenters introducing their posters

Computer Vision and Digital Processing Techniques for the Concurrent Removal of artifacts in Acoustic Image Logs - D. Medeiros1, G. De Medeiros1, M. Jacinto1\*, T. Rodrigues1, L. Montalvão1, R. Valladares de Almeida2 1Geowellex; 2Repsol Sinopec Brasil

Automated Mineralogy and Effective Diffusivity Prediction from Drill Core Images Using Computer Vision and Deep Learning - R. Boiger¹\*, S.V. Churakov¹, G. Kosakowski¹, R. Wüst², N.I. Prasianakis¹

<sup>1</sup>PSI - Paul Scherrer Institute; <sup>2</sup>Nagra

Machine Learning Powered Approach for Sonic Slowness Extraction and Interpretation - N. Mukherjee<sup>1\*</sup>, D. Konwar, R. Patro, C. Chatterjee

Use of density Caliper Image to improve swellpacker placement and assessment - 0. Tjugen<sup>1\*</sup>

11:00 Morning Coffee Break & Poster Presentations Day 2

## SESSION 6 - Well Operations and Data analytics

Session Chairs: Christian Rambousek (NiMBUC Geoscience) & Meriem Bertouche (Badley Ashton)

11:30 Assessment of LWD Ultrasonic Images for Sedimentary Interpretation: Opportunities and Limitations - H. Manchanda<sup>1\*</sup>, C. Shrivastava<sup>1</sup>

11:50 Borehole-Based Seismic Attenuation Analysis in Carbonate Reservoirs - F. Bouchaala<sup>1\*</sup>, M. Ali<sup>1</sup>, J. Matsushima<sup>2</sup>

<sup>1</sup>Earth Sciences department, Khalifa University of Science and Technology; <sup>2</sup>Department of Environment Systems/Applied geophysics, Energy resources systems learned from ecosystems, The University of Tokyo

12:10 Lunch Break - Pierre and Marie Curie

13:10 Deciphering Structural Controls in Complex Clastic Reservoirs in Real-time with Time-lapse Multi-Physics Borehole Imaging while Drilling a Horizontal Well - D. Halverson<sup>1\*</sup> , R. Ansari<sup>2</sup> , J. Bergeron , E. Soza , C. Shrivastava, A. Elekwachi, S. Das , J. Seitz

¹bp; ²SLB

Addressing the challenge of low UCS core acquisition using novel PSWC technology and digital rock physics D. Saucier<sup>1\*</sup>, D. Lakshtanov<sup>1</sup>, Y. Zapata<sup>1</sup>, J. Cook<sup>1</sup>, R. Eve<sup>1</sup>, N. Lane<sup>1</sup>,

D. Saucier<sup>1,4</sup>, D. Lakshtanov<sup>2</sup>, Y. Zapata<sup>2</sup>, J. Cook<sup>2</sup>, R. Eve<sup>2</sup>, N. Lan G. Gettemy<sup>1</sup>, K. Sincock<sup>1</sup> I. Draper<sup>2</sup>, T. Gill<sup>2</sup> 1bp; <sup>2</sup>Baker Hughes

13:50 Afternoon coffee break

14:20 Closing Remarks by Co-Chairs
14:30 Close of Workshop

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### **REGISTRATION**

Registration Fees: Workshop & One Day Field Trip (All registration rates are in EUR)



REGISTERED AND PAID	Early Registration 2/5/25 - 21/8/25	Regular Registration 22/8/25 - 11/9/25	LATE REGISTRATION 12/9/25 - 24/9/25
EAGE Green Member <sup>1,5</sup>	1295	1550	1755
EAGE Bronze/Silver/Gold Member <sup>1,5</sup>	1140	1395	1595
EAGE Platinum Member <sup>1,5</sup>	1140	1140	1140
Non-member <sup>3</sup>	1395	1650	1855
EAGE Student Green Member <sup>1,2,5</sup>	595	645	695
EAGE Student Bronze/Silver/Gold Member <sup>1,2,5</sup>	520	570	620
Student Non-member <sup>2,3,4</sup>	620	670	720

Registration Fees: Workshop Only (All registration rates are in EUR)

REGISTERED AND PAID	Early Registration 2/5/25 - 21/8/25	Regular Registration 22/8/25 - 11/9/25	LATE REGISTRATION 12/9/25 - 24/9/25
EAGE Green Member <sup>1,5</sup>	1095	1350	1555
EAGE Bronze/Silver/Gold Member <sup>1,5</sup>	940	1195	1395
EAGE Platinum Member <sup>1,5</sup>	940	940	940
Non-member <sup>3</sup>	1195	1450	1655
EAGE Student Green Member <sup>1,2,5</sup>	395	445	495
EAGE Student Bronze/Silver/Gold Member <sup>1,2,5</sup>	320	370	420
Student Non-member <sup>2,3,4</sup>	420	470	520

### THANK YOU TO OUR HOST



### THANK YOU TO OUR SPONSOR

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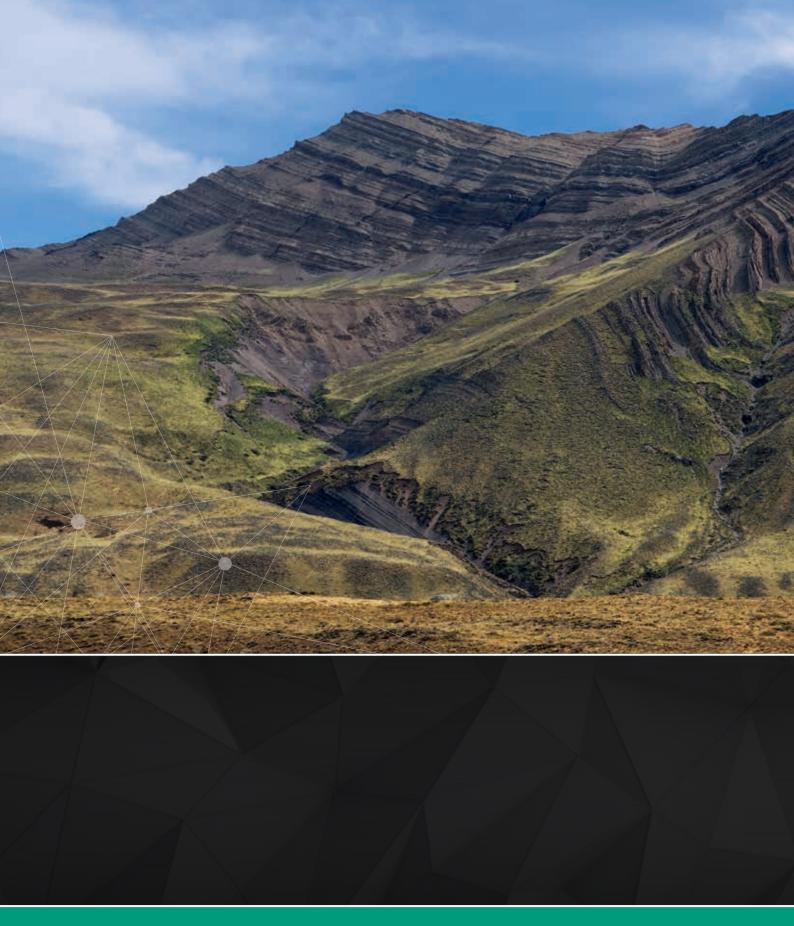
### **SOCIAL PROGRAMME**

Workshop Dinner RESTAURANT BG By L'Endroit Tuesday 23 September, 19:00hrs - 21:00hrs

### CONTACT

For more information on the workshop, please get in touch with the EAGE MEA team via middle\_east@eage.org or +971 4 369 3897.





EUROPE OFFICE +31 88 995 5055 +971 4 369 3897 +60 3 272 201 40 +57 310 8610709 EAGE@EAGE.ORG MIDDLE\_EAST@EAGE.ORG ASIAPACIFIC@EAGE.ORG AMERICAS OFFICE +57 310 8610709 ASIAPACIFIC@EAGE.ORG

**HEAD OFFICE** • KOSTERIJLAND 48 • 3981 AJ BUNNIK • THE NETHERLANDS • +31 88 995 5055 • EAGE@EAGE.ORG

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