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EUROPEAN
ASSOCIATION OF
GEOSCIENTISTS &
ENGINEERS



Fourth EAGE Borehole Geology Workshop

27-29 SEPTEMBER 2021 • ONLINE

- **Technical Programme**

WWW.EAGE.ORG

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WORKSHOP OVERVIEW

Building on the success of the three previous Workshops on Borehole Geology, held in 2015, 2017 and 2019, EAGE is pleased to invite you to the 4th Borehole Geology Workshop, scheduled to take place Online on 27 - 29 September 2021.

This workshop will be dedicated to a variety of topics but will have an “open” approach in submissions allowing contributions from a great variety of sub-surface borehole geology aspects from operations, reservoir and explorative related fields up to industry digital transformation aspects. The intention is to provide a forum for operators, contractors and academics from the geoscience community to share developments, trends, case studies, recent innovations, successes and lessons learned, in any and all aspects of borehole geology upstream business, but also taking in account about environmental issues, mining and renewable energy sources.

The 3-day workshop will consist of online technical oral presentations discussing the latest developments and achievements in the borehole geology activity, covering different topics which could involve several professional skills including petrophysicists and production petrophysicists, geomechanics, reservoir geologists, engineers and core experts.

WHO SHOULD ATTEND

The Fourth EAGE Borehole Geology Workshop welcomes attendance and contribution of all subsurface professionals that are working in different disciplines of the energy, resource and environmental sectors both in the industry and in academic and research institutes.

PROGRAMME

Oral Presentations | Monday 27 September

DAY 1	
11:30	Welcome Address
11:30	Session One: Measurements & Technology Advances Session Chairs: Chandramani Shrivastava, Schlumberger and Roberto Berto, ENI
11:35	Deepening the Understanding of Reef Limestone Reservoir Heterogeneity with Technology Advances in Borehole Imaging - Y.M. Wu ¹ , Y.Z. Liu ¹ , L.J. Sun ¹ , C.W. Qu ^{2*} , Y.H. Shim ² , C. Shrivastava ² ¹ CNOOC Shenzhen; ² Schlumberger
11:55	Modeling Open Fracture Response in Non-Conductive Mud with LWD Dual Imager - A. Alexandre ¹ , T. Brill ¹ , N. Bize-Forest ¹ , C. Shrivastava ² , C. Busser ¹ ¹ Schlumberger; ² Schlumberger
12:15	Successful use of image logs for sidewall core orientation from field to laboratory - R. Berto ^{1*} , G. Volonte ¹ , A. Bersani ¹ , R. Cerri ¹ , F. Pinelli ¹ ¹ Eni S.p.a.
12:35	Formation evaluation through single casing from ultrasonic oblique incidence logging - I.-A. Merciu ^{1*} ¹ Equinor ASA, TDI OG DWS
12:55	Discussion Session: Measurements & Technology Advances
13:25	Break
13:35	Session Two: Digital Transformation Session Chairs: Brice Fortier, Equinor & Arve Thorsen, Baker Hughes
13:40	Automatic Borehole Image Reconstruction, Augmenting Robust Geological Interpretation: A Machine Learning Approach - A. Das ^{1*} , K. Sikdar ¹ , A. Thorat ¹ , S. Singh ² ¹ Schlumberger; ² University of Texas
14:00	A novel two-stage segmentation technique for unsupervised textural facies recognition - M.T. Galli ^{1*} , R. Berto ¹ , C. Onzaca ¹ , F. Ricciuti ¹ ¹ Eni S.p.a.
14:20	Initiative for Standards for Borehole Image Derived Deliverables - C. Rambosek ^{1*} , W. Derschowitz ² , S. Schloppe ⁴ , R. Reinmiller ³ ¹ NiMBUC Geoscience; ² GeoFractal LLC; ³ Borehole Image Specialists; ⁴ Neptune Energy
14:40	Overview of BHI Data Handling and Management
14:55	Discussion Session: Digital Transformation
15:25	Day One Closing Address
15:30	End of Day



Image Courtesy: Christian Rambosek, NiMBUC Geoscience



Image Courtesy: Christian Rambousek, NiMBUC Geoscience

Oral Presentations | Tuesday 28 September

DAY 2	
11:30	Session Three: Conventional & Unconventional Reservoirs Session Chairs: Zbynek Veselovsk, Eriksfiord & Christian Rambousek, NiMBUC Geoscience
11:35	Chalk reservoir depositional cycles and their hardgrounds. An integrated approach using microresistivity images and core data - G. Rizzi ^{1*} , G. Aplin ¹ , C. Buchan ¹ , B. Callaghan ¹ , A. Boylan ¹ ¹ Task Fronterra Geoscience
11:55	Unraveling the Mystery of Conglomerate Reservoir by Comprehensive Formation Evaluation in Liaohe Depression, Bohai bay Basin - M. Zhao ^{1*} , J. Yang ² , R. Gao ² , L. Liu ² , J. Wu ¹ , X. Liu ¹ , Q. Wang ¹ , S. Li ¹ ¹ Schlumberger; ² CNPC Liaohe Oilfield Company
12:15	Structural Curvature Analysis from Borehole Image Interpretation - P. Gillespie ^{1*} , G. Digranes ¹ , B. Graham ¹ ¹ Equinor
12:35	Break
12:45	Improving the image of injectites - C. Buchan ^{1*} , R. McGarva ¹ , B. Callaghan ¹ ¹ Task Fronterra Geoscience
13:05	Advanced spectrum analysis of image logs for petrophysical characterisation of laminated turbiditic reservoirs an innovative workflow - M.T. Galli ^{1*} , R. Berto ¹ , M. Pirrone ¹ ¹ Eni S.p.a.
13:25	Discussion Session: Conventional & Unconventional Reservoirs
13:55	Break
14:05	Session Four: New Frontiers Session Chairs: Rania Carballares, Schlumberger and Craig Buchan, Task Fronterra Geoscience
14:10	Advanced Mud Logging application to Shallow Geothermal - B. Jacquet ¹ , K. Bondabou ^{1*} , S. Androvandi ¹ , M. Francois ¹ , F. Wantz ¹ , M. Fiot ¹ , E. El Ezza ¹ , M. Ammar ¹ ¹ Schlumberger
14:30	Data acquisition and evaluation from the Eos well (31/5-7), Northern Lights CCS project, Norway - R. Meneguolo ^{1*} , V. Høigjelle ¹ , Z. Veselovsky ² ¹ Equinor ASA; ² Eriksfiord AS
14:50	Discussion Session: New Frontiers
15:20	Day Two Closing Address
15:30	End of Day

Oral Presentations | Wednesday 29 September

DAY 3	
11:30	Session Five: Inter-disciplinary Integration Session Chairs: Arve Thorsen, Baker Hughes & Brice Fortier, Equinor
11:35	WBI Analytics: Porosity Spectrum Analytics predict areas of High Quality Properties in Middle East Carbonate Reservoir - G. Burmester ^{1*} , A.S. Almehrzi ² , M.I. Susanto ² ¹ OMV Exploration & Production GmbH; ² ADNOC Offshore
11:55	Borehole Image Interpretations during ongoing operations – a workflow from a scientific drilling campaign in Switzerland - B. Roters ^{1*} , M. Habermüller ¹ , N. Levi ¹ , R. Garrard ² ¹ NiMBUC Geoscience OG; ² Nagra (National Cooperative for the Disposal of Radioactive Waste)
12:15	Real-time geosteering integration, a substantial element to achieve and exceed the production in Culebra Field - A. Paladines ^{1*} , I. Reyes Campos ¹ , I. Hernández Martínez ¹ , D. Llanos Dimas ¹ , M. Garcia ¹ , P. Delgado ¹ ¹ Schlumberger
12:35	Discussion Session: Inter-disciplinary Integration
13:05	Break
13:15	Session Six: Geomechanical Properties & Applications: Using borehole data from well to field Session Chairs: Chandramani Shrivastava, Schlumberger & Roberto Berto, ENI
13:25	Characterization of the Stress Field at the Alpine Thrust Front (Eastern Alps, Austria) - N. Levi ^{1,2*} , M. Habermüller ¹ ¹ NiMBUC Geoscience; ² Department of Geology
13:45	Geo-mechanical Electro-facies Analysis Using High-resolution Unconfined Compressive Strength Derived from High-res Mechanical Property Image - S. Das ^{1*} , A. Wray ² , R. Das ¹ ¹ Schlumberger; ² Schlumberger
14:05	Have We Reached Fullwave Sonic P&S Wireline-Immunity Through LWD Advantages? - J. Haugestaul ² , I. Nagy-Korodi ² , Á. Spitzmüller ² , A. Kallhovd ³ , B. Ruehlicke ^{1*} ¹ Eriksfiord; ² MOL Norge AS; ³ Schlumberger
14:25	Integrated Sub-surface Approach for Narrow Margin Drilling in Duvva Region: A Case Study from North Sea - D. Kumar ^{1*} , J.P. Castagnoli ¹ , S. Clerc ² , R. Aleixo ² , S. Ferrari ² , M. Damm ³ ¹ Schlumberger; ² Neptune Energy; ³ Neptune Energy Holding
14:45	A Dispersion-based Approach for Monopole Slowness Estimation and its Implications for Borehole Geology - X. Sun ^{1*} , C. Ayadiuno ² ¹ Beijing Research Center, Aramco Asia; ² Geology
15:05	Discussion Session: Geomechanics
15:35	Day Three Closing Address
15:45	End of Day Three

REGISTRATION

Registration Rates

REGISTERED AND PAID	EARLY FROM: 15 MAY UNTIL: 15 JULY	REGULAR FROM: 16 JULY UNTIL: 26 SEPTEMBER
EAGE Green Member	€ 320	€ 370
EAGE Member Bronze/ Silver/ Gold	€ 300	€ 350
EAGE Platinum Member	€ 300	€ 300
Non-Member	€ 370	€ 420
EAGE Student Green Member	€ 160	€ 185
EAGE Student Member Bronze/ Silver/ Gold	€ 150	€ 175
Student Non-Member	€ 175	€ 200

If you are a student or currently unemployed, you can apply for the EAGE Economic Hardship Programme using this link or via email to membership@eage.org.

*Memberships are provided for Non-Member registrations and the activation will only take place after the event, between 2-3 weeks.

All fees are in Euros (€). One Euro of your total registration fee is donated to the EAGE Green Fund. Please note that all fees are subject to 5% VAT as per UAE regulations. Please note: The deadlines are following the Local Time in the United Arab Emirates.

Members please note:

To qualify for the member registration fee, your EAGE membership dues for 2021 must have been paid and confirmed. The processing time for membership applications or renewals is 10 working days.

To qualify for the reduced student registration fee:

- Students must be enrolled in a full time study programme at a recognized university or institute
- The registration must be accompanied by a copy of a student ID card and/or official proof of enrolment.

Please note: Student non-members cannot be older than 34 years of age (when registering). The non-member fee includes EAGE membership for the remainder of 2021.

Please note that EAGE reserves the right to cancel the workshop due to low participation. In this case, payment will be refunded in full.

EAGE registration fees differentiate between EAGE membership recognition levels and non-members. First year members have Green membership status which gives you a € 50 discount (€ 25 for students) on the Non-member fee for each EAGE event registration; starting from Bronze status, you can benefit from an even greater reduced EAGE member registration fee. Click here for more information about the recognition programme.

To register for the event, please visit the event website.



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CONTACT US

For more information on the workshop, please visit the event's website or contact the EAGE Middle East & Africa office via middle_east@eage.org or +971 4 369 3897.

See you in online!

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

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

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