



EAGE

EUROPEAN
ASSOCIATION OF
GEOSCIENTISTS &
ENGINEERS

First EAGE Workshop on Borehole Geology in Asia Pacific

30 MARCH - 1 APRIL 2021 • ONLINE

- **Programme**

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TECHNICAL PROGRAMME COMMITTEE

Mr Nathan Ceglar (Co-chairman)	Woodside Energy Ltd
Mr James Dolan (Co-chairman)	Schlumberger
Mr Timo Korth	Advanced Logic Technology (ALT)
Mr Cormac Parsons	Cormac Parsons Consulting
Dr Mark J.F. Lawrence	GNS Science
Dr Paul V. Grech	Grechy Holdings Ltd
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Mr Richard Fernie	Santos
Mr Mohamed Ahmed Alboub	Schlumberger
Mr Matthew Wright	Strike Energy Ltd
Mr Lawrence Bourke	Task Fronterra
Dr Jeremy Prosser	Task Fronterra
Dr Scott Mildren	Tech Limit

WORKSHOP HIGHLIGHTS

Workshop will follow Perth local time (UTC+8)



Tuesday, 30 March 2021

Keynote Address 1: Geology Jumps Onboard the Fourth Industrial Revolution by Dr Nadege Bize-Forest, Schlumberger
11:10 – 11:40 hrs



Wednesday, 31 March 2021

Keynote Address 2 : Back to the Rocks to Understand Borehole Images by Professor Simon Lang, University Western Australia
11:10 – 11:40 hrs

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GENERAL INFORMATION

Virtual Venue

The workshop will be using OnAir Portal. Individual unique link will be sent to all delegates prior to the event days.

Workshop Abstracts

Digital abstracts will be made available on the virtual platform (OnAir Portal) under each Technical Session.

EAGE Live Support

Should delegates face any issue during the event days, you may reach out to EAGE representatives via Live Support on OnAir Portal.

Photo and Video Regulations

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 endeavor to protect these leading-edge technologies.

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

TECHNICAL PROGRAMME

Oral Presentations | Tuesday 30 March

DAY 1	
Opening Remarks	
11:00	Welcome & Opening Address by Co-chairperson - N. Ceglar ¹ ¹ Woodside Energy Ltd
11:10	Keynote Address 1: Geology Jumps Onboard the Fourth Industrial Revolution - N.Bize-Forest ¹ ¹ Schlumberger
11:40	Networking Session
Session 1 - New Acquisition Technologies and their Application R.Fernie (Santos), H.H.Jones (Halliburton)	
12:00	18. Assessing Ultrasonic Slowness Images for Geological Applications: Recent Developments in LWD Technolog - C. Shrivastava ^{1*} , M. Blyth ¹ , N. Sakiyama ¹ , H. Yamamoto ¹ , A. Haecker ² ¹ Schlumberger; ² Continental Resources, Inc
12:25	13. Ultrasonic Borehole Imaging in the Logging While Drilling Domain in all Mud Types; A Case Study in Offshore Abu Dhabi - W. Fares ¹ , H. Mostafa Mohamed ² , A. Montasser ¹ , A. Aki ^{1*} ¹ Halliburton Worldwide Limited; ² ADNOC Offshore
12:50	17. Stretching Operating Envelop of New LWD High Resolution Resistivity Images in Oil Based Mud - First Application High Resolution Resistivity Images in Kuwait for Unconventional Reservoir - I. Pasaribu ^{2*} , A.A. Al-Shamali ¹ , M.S. Al-Azmi ¹ , F.B. Al-Otaibi ¹ , P.K. Mukherjee ¹ , J. Girija Kumar ¹ , C. Pattnaik ¹ , C. Shrivastava ² , M.M. Mustafa ² ¹ Kuwait Oil Company; ² Schlumberger
13:15	0. Maximising Data Use from the Last Generation of Oil Based Mud Imagers - P. Barrett ^{1*} ¹ Halliburton
13:40	16. Early Development of Formation Imaging in Cased Hole - R. Davis ^{1*} , R. Bateman ¹ , J. Kuespert ¹ , M. Mayfield ¹ , R. Ethridge ¹ , A. Jagger ¹ , M. Levine ¹ , M. Weldon ¹ ¹ Rock Visualization Technology
14:05	Networking Session
14:30	Workshop Q&A : The Current State of Wellbore Image Interpretation and Future Outlook (Quality, Standards etc.)
15:15	Closing Day 1 by Co-chairperson - N. Ceglar ¹ ¹ Woodside Energy Ltd

Oral Presentations | Wednesday 31 March

DAY 2	
Opening Remarks	
11:00	Welcome Remarks by Co-chairperson, J.Dolan¹ ¹ Schlumberger
11:10	Keynote Address 2 : Back to the Rocks to Understand Borehole Images, S.Lang¹ ¹ University Western Australia)
11:40	Networking Session
Session 2 – Software, Standard & Data Handling	
T.Korth (ALT), M.Lawrence (GNS Science)	
11:50	15. Orientation Data Quality Control and Corrections - P. Barretti^{1*}, D. Crawford¹ ¹ Halliburton
12:15	25. Borehole Image (or Dipmeter) Fault Modelling - a new approach - L. Bourke^{1*}, O. Salafonov¹ ¹ Task Fronterra Group
12:40	31. Visualising Blind Zones in Borehole Image Analysis: An Open-Source Code for Addressing the Limitations of the Terzaghi Correction - I. Wallis^{1*}, D. Dempsey², J.Rowland¹ ¹ School of Environment, University of Auckland; ² Civil and Natural Resources Engineering, University of Canterbury
13:05	8. Latest Technology Advancement of Borehole Image Log Natural Fracture Characterization in Geothermal Reservoir - P. Siburian^{1*}, L. Lilasari¹, T. Perdana² ¹ Schlumberger; ² Geothermex
13:30	30. Automated Well Log Correlation: An Approach using Traditional and FMI logs - J. Ali^{1*}, M.Q. Nasim¹, T. Maiti¹, T. Singh¹ ¹ Deepkapha.ai
13:55	20. Standards for Borehole Image Derived Deliverables - C. Rambousek^{1*}, R. Reinmiller², W. Dershowitz², I. Matthews³, M. Habermueller¹, S. Schloepke⁴ ¹ NiMBUC Geoscience; ² Borehole Image Specialists; ³ Occidental Petroleum Corporation; ⁴ Neptune Energy; ⁵ GeoFractal LLC
14:20	11. A New Approach for Automatic Quantitative Resistivity Image Calibration in Water-based Mud - S. Yang^{1*}, T. Zhang¹, I. Le Nir¹, R.H. Al Lawatia¹ ¹ Schlumberger
14:45	Networking Session
Session 3 - Multidisciplinary Integration for Reservoir Drilling & Navigation	
M. Wright (Strike Energy), J.Prosser (Task Fronterra)	
14:55	22. LWD Ultrasonic Imager: a New Tool for High Resolution BHA Dynamics - N. Bize-Forest^{1*}, A. Jarrot¹, E. Legendre¹, I. Le Nir¹, J. Le Calvez¹ ¹ Schlumberger
15:20	28. A Study of Drilling and Borehole Geophysics in The Geothermal Potential Area of The Mae Chan Hot Springs in Northern Thailand - R. Onsibut¹, S. Siricharoensri^{2*}, P. Watkrathok² ¹ Panya Consultants Co., Ltd; ² Geotech Pillar Co.,Ltd
15:45	26. Sourceless Field Development – Reducing Operational Footprint with Radioisotope-free LWD Formation Evaluation and Geosteering - M. Horstmann^{1*}, C. Shrivastava¹, J. Denichou¹, G. Halset², M. Firinu², K. Sikdar¹ ¹ Schlumberger; ² Vår Energi
16:10	2. The Application and Benefits of Using While-Drilling Logging and Geosteering in Coal-Seam Gas Reservoirs - H. Wang^{1*}, J. Dolan¹, T. Flottmann², K. Verghese², M. Cardozo Nieto¹, M. Viandante¹, C. Hibberson¹ ¹ Schlumberger; ² Origin Energy
16:35	3. 3D Inversion of Ultra-Deep Electromagnetic Data - the Key to Understanding Complex Subsurface Geology - N. Clegg^{1*}, S. Sinha¹ ¹ Halliburton



Oral Presentations | Thursday 1 April

DAY 3	
Session 4 – Reservoir Performance and Estimation	
P.Grech (Grechy Holdings Ltd), S.Mildren (Tech Limit)	
11:00	32. Streamlined Workflow to Compute Sane Count in TVT Using Borehole Electrical Images in Deviated Wells - G. Sultan^{1*} ¹ Schlumberger
11:25	21. Borehole Imaging In New Zealand: Where to From Here? - M. Lawrence^{1*}, C. Massiot¹, A. Griffin¹, S. Milicich¹ ¹ GNS Science
11:50	24. Fracture Characterization using Borehole Image Logs and Cores from the Ichthys Field - J. Prosser^{1*}, G. Coelho², A. Drescher² ¹ Task Fronterra Geoscience; ² INPEX Australia
12:15	9. Unraveling the Effectiveness of Natural Fractures and the Impact on Production through Borehole Images in a Tight Sand Gas Reservoir - Quka Foreland Basin - M. Zhao^{1*}, S. Li¹, Q. Wang¹, W. Fan², J. Wu¹, Y. Wang¹, X. Zhao¹ ¹ Schlumberger; ² CNPC Tarim Oilfield Company
12:40	29. Borehole Image Fracture Interpretation and 1D Mechanical Earth Modelling as Inputs for Rock Mass Classification and Hydraulic Fracture Planning in a Deep Block Cave Mine - D. Lewis^{1*}, R. Puspitasari¹, D. Tennant² ¹ Schlumberger; ² Newcrest Mining Limited
13:05	4. Automated Advanced Coal Cleats Analysis on High Definition LWD and Through-the-bit Conveyed Image logs - M. Alboub^{1*}, J. Dolan¹, T. Flottmann², S. Yang³ ¹ Schlumberger Australia Pty Ltd; ² Origin Energy Ltd; ³ Schlumberger
13:30	Networking Session
Session 5 – Sedimentological and Structural Characterization	
M.Alboub (Schlumberger), L.Bourke (Task Fronterra)	
13:40	6. Borehole Image Features Map Depositional Environment Change in a Mesoproterozoic Delta: Insights from the Beetaloo Sub-Basin - A. Wilson^{1*}, L. Thrane¹, A. Cote², B. Richards², C. Altmann² ¹ Imagestrat Pty Ltd; ² Origin Energy
14:05	210. An Evolving Approach to Characterize Fractured Basement Reservoir Using Acoustic Image and Element logs - Bohai Bay Basin - Offshore North China - B. Liu^{1*}, X. Zeng¹, Y. Cao¹, Z. Zhang¹ ¹ Baker Hughes
14:30	23. Improving the Image of Injectites - C. Buchan^{1*} ¹ Task Fronterra Geoscience
14:55	7. Borehole Image Logs to Unlock Stratigraphic & Sedimentological Analysis of Berkine Field - D. Rezig^{1*}, I. Hadjar², M. Boukhenifra², F. Nettare², O. Salmi¹, H. Hadjarab¹ ¹ Schlumberger; ² Groupement Berkine
15:20	5. The importance of Borehole Images in Sand Body Characterisation in Tidal Marine Settings – examples from the Malay Basin - M. Johansson^{1*} ¹ Geode-energy Ltd
15:45	Workshop Q&A: Automated Image Interpretation and the Future Role of the Human Interpreter
16:15	Final Day Closing Remarks by Co-chairs - N.Ceglar¹ & J.Dolan² ¹ Woodside Energy Ltd; ² Schlumberger



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