

EAGE

EUROPEAN
ASSOCIATION OF
GEOSCIENTISTS &
ENGINEERS



Second EAGE Marine Acquisition Workshop

25-26 AUGUST 2020 • OSLO, NORWAY AND ONLINE

- **Programme**

WWW.EAGE.ORG



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ABOUT THE WORKSHOP

This workshop will serve as a forum for presentations and discussions on various aspects of marine acquisition technology. We encourage contributions to technological advances in this field and invite participants to share their experiences, lessons learned, and visions for future by submitting papers that are innovative, novel and interesting. In addition, well-regarded key-note speakers will outline their views of challenges and advances in the industry. The workshop is suitable for all geophysicists with an interest in marine geophysical acquisition, as well as students and persons from academic institutions, equipment manufacturers and suppliers, survey design geophysicists and processing geophysicists.

The workshop will be held in a hybrid format on 25-26 August. This means that participants will have the choice of participating in person or virtually.

IMPORTANT DATES

Regular Registration Deadline	10 August 2020
Late Registration From	11 August 2020
Second EAGE Marine Acquisition Workshop	25-26 August 2020

REGISTRATION FEES

Registered and Paid	Until	From
	10 August 2020	11 August 2020
EAGE Green Member ^{1,5}	€ 745	€ 845
EAGE Bronze/Silver/Gold Member ^{1,5}	€ 595	€ 695
EAGE Platinum Member ^{1,5}	€ 495	€ 495
Non-member ³	€ 795	€ 895
EAGE Student Green Member ^{1,2,5}	€ 250	€ 300
EAGE Student Bronze/Silver/Gold Member ^{1,2}	€ 225	€ 275
Student Non-member ^{2,3,4}	€ 275	€ 325

Online Registration Fees	Until	From
	10 August 2020	11 August 2020
EAGE Green Member ^{1,5}	€ 450	€ 550
EAGE Bronze/Silver/Gold Member ^{1,5}	€ 300	€ 400
EAGE Platinum Member ^{1,5}	€ 200	€ 200
Non-member ³	€ 500	€ 600
EAGE Student Green Member ^{1,2,5}	€ 125	€ 150
EAGE Student Bronze/Silver/Gold Member ^{1,2}	€ 100	€ 125
Student Non-member ^{2,3,4}	€ 150	€ 175

- Members please note: To qualify for the member registration fee, your EAGE membership dues for 2020 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.
 - The non-member fee includes EAGE membership for the remainder of 2020.
 - Student non-members cannot be older than 34 years of age (when registering).
 - Green membership status gives you a € 50 discount (€ 25 for students) on each EAGE event registration; starting from the Bronze status, you can benefit from an even greater reduced EAGE member registration fee. Find here for more information on the recognition programme.
- All fees are in Euros (€). One Euro of your total registration fee is donated to the EAGE Green Fund.
- Please note: The deadlines are following the Local Time in the Netherlands.
- EAGE reserves the right to cancel the short course(s), workshop(s) or field trip(s) due to low participation.



TECHNICAL PROGRAMME

Oral Presentations | Tuesday 25 August 2020

MAIN HALL	
08:00	Welcome Coffee and Registration
08:45	Welcome Address
Sources, Receivers and Nodes I	
09:00	Keynote 1 - Impact of Acquisition Technologies on Exploration Performance on NCS ... and Challenges Going Forward - E. Vågnes ^{1*} ¹ Equinor
09:40	Enhanced Low Frequency Signal-To-Noise Characteristics of an Airgun Technology Based Source - J. Brittan ^{1*} , P. Farmer ² , N. Bernitsas ² , T. Dudley ² ¹ ION; ² ION
10:05	Signal Apparition Enabled Acquisition of Low-Frequency Rich Simultaneous Source Data: Results from Recent Field Tests - J. Robertsson ^{1*} ¹ Seismic Apparition SA
10:30	Evaluation of A New Marine Low-Frequency Source - S. Chelminski ² , F. Chelminski ² , J. Chelminski ² , F. Lam ³ , S. Ronen ^{2,3} , G. Baeten ¹ , D. Chavan ¹ , B. Kuvshinov ¹ , F. Ten Kroode ^{1*} ¹ Shell International E&P BV; ² Low Impact Seismic Sources; ³ Stanford University
10:55	Coffee Break
Sources, Receivers and Nodes II	
11:25	A Practical Approach to Addressing Environmental Challenges with Marine Vibrators - S. Amar ^{1*} , D. Gerez, M. Supawala ¹ , H. Aune ¹ , T. Brice ¹ , P. Hanssen ² , R. Laws ³ ¹ Shearwater Geoservices AS; ² Equinor; ³ Havakustik Ltd
11:50	Results From a Shallow Water Field Test of the Continuous Wavefields Method - T. Klüver ^{1*} , S. Hegna ¹ , J. Lima ¹ ¹ PGS
12:15	Geophysical and Engineering Considerations in Streamer Design - A. Day ^{1*} , B. Finnøen ¹ , T. Høy ¹ ¹ PGS
12:40	Lunch Break
Sources, Receivers and Nodes III	
13:40	True Vertical and Orthogonal OBN Sensing with 3C MEMS Sensors - N. Tellier ^{1*} , P. Herrmann ¹ ¹ Sercel
14:05	A Novel Autonomous Drop-Node System for OBN Acquisition - K. Tjømm ^{1*} ¹ iDrop AS
14:30	Accurate Measurement of Node Depths and Seafloor Deformation during Seabed Seismic Acquisition - P. Hatchell ^{1,2} , H. Ruiz ^{1*} , A. Libak ¹ , R. Agersborg ¹ , B. Nolan ² ¹ OCTIO Gravitude; ² Shell International Exploration and Production Inc.
14:55	Coffee Break / Poster Session
Sources, Acquisition and Solutions I	
15:25	First Use of a Triple Seismic Source for PRM Acquisitions on the Johan Sverdrup Field - C. Fayemendy ^{1*} , E.P. Erlandsen ¹ , E. Sadikhov ¹ ¹ Equinor
15:50	OBN – Fit for Purpose Seismic Data - E. Frømyr [*] ¹ Mageis Fairfield
16:15	The Journey to 1M Resolution at Clair - Lessons From Acquisition and Processing - D. Davies ^{1*} , W. Rietveld ¹ ¹ BP Exploration Operating Co. Ltd.
16:40	Use of the Vertical CSEM Method In Prospect De-Risking. A Dry Well Case Story – the Grind Prospect - S. Ellingsrud ^{1*} , E. Leon ² ¹ PetroMarker AS; ² Concedo ASA
17:05	Discussion
17:35	Free time
18:00	Networking Reception
20:00	End of Day 1

Oral Presentations | Wednesday 26 August 2020

MAIN HALL	
08:55	Welcome
Sources, Acquisition and Solutions II	
09:00	Keynote 2 - Business Impact of Seismic over the Past 5 Years and the Future 5 Years - J.E. Lie ^{1*} ¹ Lundin Norway AS
09:40	Step Change in Efficiency and Economies of Scale in OBN Seismic - R. Dunlop ¹ , N. Brown ¹ , B. Taylor ² , E. Neill ^{1*} ¹ Axxis Geo Solutions; ² TNG Geophysics
10:05	Innovative High-resolution Multi-azimuth Towed Streamer Acquisition Addressing Challenges in the Viking Graben Norway - C. Roalkvam ^{1*} , M. Widmaier ¹ , D. O'Dowd ¹ , L. Limonta ¹ , M. Bubner ¹ , K. Fløistad ¹ ¹ PGS
10:30	Coffee Break
Sources, Acquisition and Solutions III	
11:00	Assessing the Value of Source-Over-Streamer Acquisition in the Barents Sea - G. Poole ¹ , V. Vinje ¹ , E. Kaszycka ¹ , K. Cichy ^{1*} , N. Salaun ¹ ¹ CGG
11:25	HalfSeis – Designing a High-Resolution Zero-Offset Quad Point-Source Survey to Capture Shallow Target AVO Effects - P.E. Dhelie ^{1*} , V. Danielsen ¹ , J.E. Lie ¹ , S.J. Støen ¹ , A. Dustira ¹ , M. Ackers ² , E. Shelavina ² , P. Gannon ² , T.A. Wicklund ² , K. Dancer ³ , C. Spendlove ³ , A. Riaz ³ , S. Schjelderup ⁴ ¹ Lundin Energy Norway; ² Spirit Energy Norway; ³ DownUnderGeoSolutions; ⁴ Previously Spirit Energy Norway now Sval Energi
11:50	More Smaller Sources in Marine Seismic Acquisition - J. Wallace ^{1*} , M. Rocke ¹ , E. Hager ¹ , M. Rogers, C. Craiggs, P. Fontana ^{<11>} ¹ Polarcus
12:15	Lunch Break
Survey Planning and Case Studies I	
13:15	Keynote 3 - Permanent Reservoir Monitoring (PRM) – Status and Way Forward - M. Andersen ^{1*} ¹ Equinor
13:55	Advanced Ray-Based Survey Evaluation: Practical Concepts and Benefits - L. Zühlsdorff ¹ , K. Åstebøl ^{1*} , H. Gjøystdal ¹ , T. Kaschwich ¹ , H. Bolin ¹ ¹ NORSAR
14:20	Optimizing Marine Data Acquisition and Infill - D. Hite ^{1*} , D. Ridyrd ¹ ¹ ACTeQ LLC
14:45	Coffee Break / Poster Session
Survey Planning and Case Studies II	
15:15	Seismic Survey Challenges Offshore South Africa - E. L'Arvor ^{1*} , T. Maya ² , P. Lattes ² ¹ TOTAL E&P; ² TOTAL E&P South Africa
15:40	Designing an Acquisition Solution for the Nordkapp Basin - M. Branston ^{1*} , A. Aarnes ² , E. Raknes ³ , E. Nilsen ⁴ , R. Campbell ¹ , D. Barlass ¹ , G. Apeland ¹ , J. Jørgensen, J.E. Lie ¹ WesternGeco; ² DNO; ³ AkerBP; ⁴ Lundin
16:05	Hybrid Seismic: A Success Story of Technology Innovation, Collaboration & Prudent Project Management - A. Khalid ^{1*} , S. Shukri ¹ , N. Putit ¹ , S. Winters ² , B. Baginda ² ¹ Petronas Carigali Sdn Bhd; ² ROC Oil
16:30	Discussion
17:00	Closing Remarks
17:05	End of Workshop



Poster Presentations

BREAK AREA
Poster Session
Coffee Break / Poster Session
Removal of Ultra-Low-Frequency Noise from an Ocean-Bottom Pressure Sensor - R. Laws ^{1*} , E. Kragh ² ¹ Havakustik Ltd.; ² Schlumberger Cambridge Research Ltd.
Innovative Acquisition Technique Based on Unmanned Aerial Vehicle Platform (UAV) - A. Yakovlev ¹ , S. Bakulin ¹ , N. Amelin ^{2*} ¹ Geology Without Limits; ² GWL Overseas Ltd.
Leveraging Recent Innovations In Seismic Data Processing Technology to Optimise Marine Seismic Survey Design - A. Cooke ¹ , M. Branston ¹ , G. Apeland ^{1*} ¹ WesternGeco
Ocean Bottom Node Technology - What Next? - C. Walker ^{1*} ¹ BGP Offshore
A Dictionary Learning Method for Seismic Data Compression - M.O. Faouzi Zizi ^{1,2*} , P. Turquais ¹ ¹ PGS; ² UiO (University of Oslo)
An Autonomous Vehicle for more Efficient Ocean-bottom Surveys - P. Hanssen ^{1*} ¹ Equinor

VENUE

Gamle Logen

Grev Wedels Plass 2
0151 Oslo, Norway

Networking Reception

Festningen Restaurant,

Myntgata 9, 0151 Oslo, Norway
Tuesday 25th August
18:00 - 20:00

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CONTACT

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See you in Oslo!

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