

The top half of the page features a photograph of a research vessel at sea during sunset or sunrise. The vessel is equipped with various scientific instruments, including satellite domes and a crane. A white rope railing runs along the deck in the foreground. In the top left corner, there is a green rectangular box containing the EAGE logo and its full name. In the top right corner, there is a faint, white geometric network pattern.

**EAGE**

EUROPEAN  
ASSOCIATION OF  
GEOSCIENTISTS &  
ENGINEERS

# Marine Acquisition Workshop

22-24 AUGUST 2018 • OSLO, NORWAY

- **Programme**

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[WWW.EAGE.ORG](http://WWW.EAGE.ORG)

## STEERING COMMITTEE

Andreas Wuestefeld	Norsar
Geir Apeland	WesternGeco
Lasse Amundsen	Equinor
Leiv Gelius	University of Oslo
Martin Widmaier	PGS
Vetle Vinje	CGG

## ABOUT THE WORKSHOP

Off-shore exploration for hydrocarbons and reservoir repeat surveys have recently come under cost-saving pressure. This workshop aims at the value generation from different acquisition technologies. This workshop will discuss the advances in different fields of Marine Acquisition and how they impact the decision making.



## TECHNICAL PROGRAMME

Sponsored by



### Oral Presentations | Wednesday 22 August 2018

#### BRUA ROOM

#### Seismic Source Technology

<b>08:30</b>	<b>Registrations &amp; Welcoming</b>
<b>08:45</b>	<b>We KN 01 - Keynote: Why Bother About The Source?</b> - J. Helgesen (Equinor)
<b>09:25</b>	<b>We MA 01 - A Novel Source-Over-Cable Solution To Address The Barents Sea Imaging Challenges</b> - J.E. Lie* (Lundin Norway), V. Danielsen (Lundin Norway), P. E. Dhelie (Lundin Norway), R. Sablon (CGG), R. Siliqi (CGG), C. Grubb (CGG), V. Vinje (CGG), C.I. Nilsen (CGG), R. Soubaras (CGG)
<b>09:50</b>	<b>We MA 02 - Reduced Volume And Hexa-Source Marine Acquisition In The Barents Sea</b> - T. Elboth* (CGG), V. Vinje (CGG), C. Walters (CGG), P.-E. Dhelie (Lundin), V. Danielsen (Lundin)
<b>10:15</b>	<b>Coffee Break</b>
<b>10:45</b>	<b>We MA 03 - Source Isolation: A Seismic Shift For Seabed Seismic Productivity</b> - J.O.A. Robertsson* (Seismic Apparition GmbH), F. Andersson (Seismic Apparition GmbH), D.J. van Manen (Seismic Apparition GmbH), K. Eggenberger (Seismic Apparition GmbH), R. Walker (Seismic Apparition GmbH), F. van den Broek (Seismic Apparition GmbH), E. Frømyr (Magseis ASA), I. Gimse (Magseis ASA)
<b>11:10</b>	<b>We MA 04 - More And Smaller Sources In Deep Water Exploration</b> - J. Langhammer* (TGS-NOPEC Geophysical Company), S. Baldock (TGS-NOPEC Geophysical Company), H. Bondeson (TGS-NOPEC Geophysical Company), B. Kjøhmar (TGS-NOPEC Geophysical Company)
<b>11:35</b>	<b>We MA 05 - Exploiting Phase Control Of A Marine Seismic Vibrator For High-Multiplicity Simultaneous Source Acquisition</b> - D.F. Halliday (Schlumberger), R.M. Laws (Schlumberger), J-F Hopperstad (Schlumberger), M. Supawala* (Schlumberger)
<b>12:00</b>	<b>Lunch</b>
<b>13:00</b>	<b>We MA 06 - Seismic Source Strength And Size Versus Seismic Image Quality</b> - H. Westerdahl* (Equinor), L. Amundsen (Equinor)
<b>13:25</b>	<b>We MA 07 - Improving Seismic Data By Using Smaller More Compact Seismic Air-Gun Sources</b> - P.E. Dhelie* (Lundin Norway), V. Danielsen (Lundin Norway), J.E. Lie (Lundin Norway), M. Branston (Schlumberger), R. Campbell (Schlumberger), R. Ford (Schlumberger)
<b>13:50</b>	<b>Coffee Break</b>
<b>14:15</b>	<b>We MA 08 - Marine Air-Gun Arrays And Ghost Cavitation</b> - M. Landrø* (NTNU), B. Khodabandeloo (NTNU)
<b>14:45</b>	<b>We MA 09 - The Impact Of Bubbly Water On Airgun Signatures</b> - D. Wehner* (NTNU), M. Landrø (NTNU)
<b>15:10</b>	<b>We MA 10 - Source Ghost Generation: Observations From A Dual Near-Field Hydrophone Test</b> - R. Telling* (Shearwater GeoServices), S. Grion (Shearwater Geoservices), S. Denny (Shearwater Geoservices), R.G. Williams (Shearwater Geoservices)
<b>15:35</b>	<b>Closing Remarks Day 1</b>



“This workshop aims at the value generation from different acquisition technologies”

### Oral Presentations | Thursday 23 August 2018

BRUA ROOM	
Advances in Marine Seismic Acquisition: The Receiver Side	
08:30	Introduction Day 2
08:45	<b>Th KN 01 - Keynote: Reflection On Ten Years Of Multi-Sensor Towed Streamers Lessons And Successes</b> - M. Widmaier (PGS)
09:25	<b>Th MA 01 - Considerations About Multi-Sensor Solid Streamer Design</b> - G. Mellier* (Sercel), N. Tellier (Sercel)
09:50	<b>Th MA 02 - The Autonomous Midwater Stationary Cable (Freecable): A Totally Flexible Acquisition Technology</b> - E. Bathellier* (Kietta), L. Haumonté (Kietta)
10:15	Coffee Break
10:45	<b>Th MA 03 - Using Finite-Difference Modelling To Understand And Optimise Time-Lapse Acquisition And Processing Strategies</b> - R. Whitebread* (WesternGeco), M. Branston (WesternGeco), M. Paydayesh (WesternGeco), P. Kristiansen (WesternGeco)
11:10	<b>Th MA 04 - Preparing For Large Scale Ocean Bottom Seismic Surveys In Norway</b> - B.A. King* (Statoil ASA), N. Moyle (Statoil ASA), E. Sadikhov (Statoil ASA), G.W. Simensen (Statoil ASA), T. Nilsen (Statoil ASA)
11:35	<b>Th MA 05 - Advances In OBN Technology: New Designs For Reservoir Monitoring And Large Scale Surveys</b> - J. Smythe (FairfieldNodal), D. Hays (FairfieldNodal), P. Docherty (FairfieldNodal), C. Udengaard* (FairfieldNodal)
12:00	Lunch
13:00	<b>Th MA 06 - Cost-Efficient Full-Azimuth Exploration With Next Generation OBN Technology</b> - R. Bohn* (inApril AS)
13:25	<b>Th MA 07 - Developing A Fully Autonomous Marine Seismic Acquisition System For Low-Cost On-Demand Reservoir Monitoring</b> - J.L. Lopez* (Shell International E&P Inc.), D.A. Chalenski (Shell International E&P Inc.), S. Grandi (Shell International E&P Inc.)
13:50	Coffee Break
14:15	<b>Th MA 08 - Real Time Seismic Monitoring Of Drilling Operations</b> - J.E. Lindgard* (Octio AS), T. Thiem (Octio AS), E.V. Bergfjord (Octio AS), R.S. Agersborg (Octio AS)
14:45	<b>Th MA 09 - A Novel Marine Seismic Method Making Use Of Continuous Wavefields</b> - S. Hegna* (Petroleum Geo-Services), T. Klüver (PGS), J. Lima (PGS)
15:10	<b>Th KN 02 - Keynote: High Resolution Seismic Acquisition at Wisting</b> - L.M. Moskvil* (OMV), J.R. Granli (OMV), H.H. Veire (OMV), K. Krathus-Larsen (OMV), E. Stueland (OMV), O. Michot (OMV), M. Garden (OMV), M. Dyrendahl (Summer intern)
15:35	Closing Remarks Day 2

### Oral Presentations | Friday 24 August 2018

BRUA ROOM	
Marine Acquisition: Non-Seismic Methods	
08:30	Introduction Day 3
08:40	<b>Fr KN 01 - Keynote: Acquisition And Application Of Aero-Magnetometry In Norway And On The Norwegian Shelf</b> - M. Broenner* (Geological Survey of Norway (NGU)), O. Olesen (Geological Survey of Norway), R. Myklebust (TGS), J. Rønning (Geological Survey of Norway), M.A. Dumais (Geological Survey of Norway), V.C. Baranwal (Geological Survey of Norway), L. Gernigon (Geological Survey of Norway), S. Gradmann (Geological Survey of Norway), J. Gellein (Geological Survey of Norway), C. Haase (Geological Survey of Norway), J. Koziel (Geological Survey of Norway), Y.P. Maystrenko (Geological Survey of Norway), A. Nasuti (Geological Survey of Norway), F. Ofstad (Geological Survey of Norway), G. Tassis (Geological Survey of Norway), T. Lauritsen (Geological Survey of Norway)
09:10	<b>Fr KN 02 - Keynote: Marine 4D Gravity And Seafloor Subsidence Monitoring: Recent Development And Prospects</b> - M. Lien* (OCTIO AS), L.T. Hille (OCTIO AS), H. Ruiz (OCTIO AS), M. Vathshelle (OCTIO AS)
09:40	<b>Fr KN 03 - Keynote: High Resolution Imaging And Mapping Of The Seabed Using Synthetic Aperture Sonar</b> - R.E. Hansen* (Norwegian Defence Research Establishment (FFI))
10:15	Coffee Break
10:45	<b>Fr MA 01 - Prediction Of Sonic Log Data Using Machine Learning Regression Methods</b> - S. Pandey (IIT BOMBAY), R. Saraiya* (Schlumberger)
11:10	<b>Fr KN 04 - Keynote: Advancements In 3D CSEM Hardware And Processing For Quantitative Earth Parameter Estimation</b> - M.A. Drage* (EMGS ASA), J.P. Morten (EMGS ASA), P.T. Gabrielsen (EMGS ASA)
11:35	<b>Fr MA 02 - How Repeatable 4D CSEM Surveys Need To Be?</b> - D.V. Shantsev* (ElectroMagnetic GeoServices ASA), A. Babakhani (University of Oslo), L.J. Gelius (University of Oslo), E.A. Nerland (EMGS)
12:00	Discussion and Closing Remarks

## REGISTRATION

### Registration Fees

All fees are in EUR (€). One Euro of your total registration fee is donated to the EAGE Green Fund.

REGISTERED AND PAID	UNTIL 30/06/2018	01/07/2018- 20/08/2018	21/08/2018 - ON-SITE
EAGE Member	€ 595	€ 695	€ 745
EAGE Student Member	€ 210	€ 250	€ 250
Non-Member	€ 695	€ 795	€ 845
Student Non-Member	€ 250	€ 295	€ 295

All Fees includes the Full Workshop package with Icebreaker reception and Workshop Dinner.

EAGE Members: To qualify for the EAGE member registration fee, your EAGE membership fees for 2018 must have been paid and confirmed. The processing time for membership applications or renewals is 10 working days. EAGE membership runs from January through December. Membership applications or renewals received in October, November and December will automatically be considered for the next calendar year and activated (or reactivated) on 1 January.

EAGE Non Members: The non-member fee includes EAGE membership for 2018.

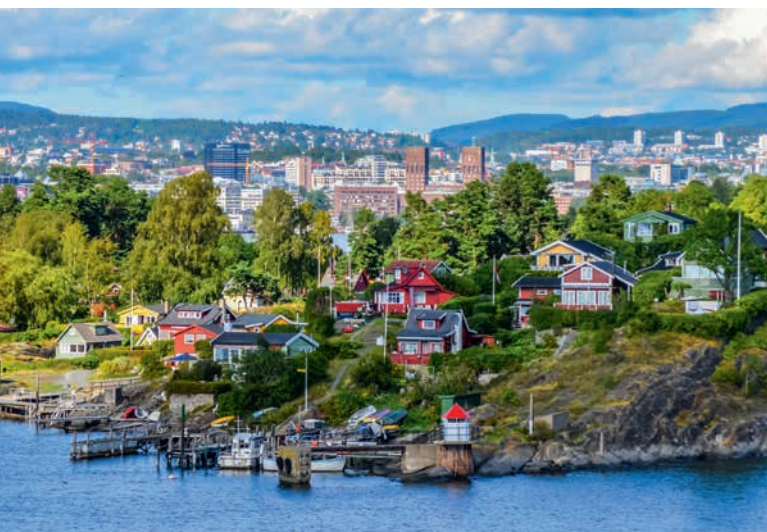
EAGE Students: To qualify for the reduced student registration fee:

- 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).

## VENUE

### Scandic Vulkan

Maridalsveien 13  
0178 Oslo  
Tel: +47 21 05 71 00  
Fax: +47 21 05 71 11



## SOCIAL PROGRAMME

### Icebreaker Reception

**Tuesday 21 August 2018 - 18:00-20:00**

We would like to invite you to this welcoming Icebreaker Reception at Bar Vulkan in Oslo. This reception is a great opportunity to network and already meet the participants of the Marine Acquisition Workshop in a informal environment.

### Bar Vulkan

Vulkan 9  
0178 Oslo

### Workshop Dinner

**Thursday 23 August 2018 19:00**

Join us at a great dinner prepared specially for the participants of the Marine Acquisition Workshop at the Nedre Foss Farm restaurant, a place which is an important part of Oslo's and Grünerløkka's history, which is mentioned as early as 1220.

### Nedre Foss Gård

Nordre Gate 2  
0551 Oslo

## SPONSORS

### Technical Programme



### Portfolios



### Coffee Points



### Company Displays



## CONTACT

For further up-to-date information, please visit our workshop website via [events.eage.org](http://events.eage.org) or contact the EAGE Europe Office at +31 88 9955055 or [eage@eage.org](mailto:eage@eage.org).

# Enjoy the Workshop!

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