PROGRAMME

DAY 1

08:00 Registration

09:00 NGF President Tom Bugge, Det norske
Exploration technology developed in Norway is in the forefront

Chairman: Tom Bugge, Det norske

Global Experience with CSEM - 1

09:10 Keynote:
Gerwin Karman, Shell
More than a decade of CSEM in Shell, insights from a global look back

09:40 Keynote:
Jan Ove Hansen, Statoil
Experience, challenges and opportunities using CSEM in the Barents Sea

10:10 COFFEE BREAK

Introduction to EM

10:30 Lucy MacGregor, RSI
Basic principles using CSEM in exploration and exploitation in Petroliferous Sedimentary Basins

10:50 Anh Kiet Nguyen, Statoil
Recent step changes in CSEM: A review

Application of CSEM in Exploration - 1

11.10 Tor Veggeland, Tullow Oil
Does CSEM have a role in the exploration workflow?

11.30 Jonny Hesthammer, Aris Stefatos and Susanne Sperrevik, Atlantic Petroleum Norge AS
Atlantic Petroleum’s strategy for how to use CSEM data
11:50 LUNCH

Chairman: Ole Jøran Askim, Det norske

13.00 Stein Fanavoll, Bent Kjølhamar, Pål Gabrielsen, and Christopher Sæbø Serck, EMGS
Lower Snadd – a new play model in the northern Barents Sea? Integrated EM and Seismic interpretation case study

13.20 G. Michael Hoversten, Chevron ETC, David Myer, BlueGreen Geophysics LLC, Kerry Key, Scripps Institution of Oceanography, David Alumhaugh, Chevron ETC, Oliver Hermann and Randall Hobbett, Chevron Europe
Field test of Marine CSEM/MMT in sub basalt hydrocarbon exploration

13:40 COFFEE BREAK

Recent Technical Innovations in CSEM - 1

14.00 Friedrich Roth and Pål Gabrielsen, EMGS
Improved CSEM imaging on the Norwegian Continental Shelf with a high-power deck-mounted source: Results from a technology demonstration survey over the Bøyla discovery

14:20 Allan McKay, Anwar Bhuiyan and Rune Sakariassen, PGS
A Towed Streamer EM data case study: From feasibility to interpretation

14:40 Terje Holten and Kjetil Eide, PetroMarker AS
Feasibility of time lapse CSEM using a vertical electric dipole transmitter

15:00 Joonsang Park, Inge Viken, and Tore Ingvald Bjørnarå, NGI
Per-Atle Olsen, Frank Antonsen and Karen Nørgaard Madsen, Statoil
Effect of seabed infrastructure on CSEM data

15:20 COFFEE BREAK

Plenum Discussion

15:40 CSEM: A viable tool for risk reduction and geological mapping?
Chaired by Professor Martin Landrø, NTNU

16:30 END OF DAY

19:30 DINNER
Day 2

Chairman: Martin Landrø, NTNU

Global Experience with CSEM - 2

09:00 Keynote: José Antonio Escalera Alcocer, Marco Vázquez García, Humberto Salazar Soto, Jesús Humberto Badillo and Juan Carlos Flores Zamora PEMEX Subdirección de Exploración; Friedrich Roth, Daniel Baltar, Pål T. Gabrielsen, and Valente Ricoym Paramo, EMGS
Experience of Using 3D EM in the Mexican Deep-water Exploration Program

09:30 George Vardoulas, Behzad Alaei, Rolf Monsen, Jon Ivar Rykkelid and Edward Morris, Rocksource Geotech
A Gulf of Mexico case study using integration of AVO and CSEM analysis

09:50 COFFEE BREAK

Application of CSEM in Exploration - 2

10:10 Janniche Iren Nordskag, Statoil
Joint CSEM and seismic interpretation

10:30 Martin Springer, Det norske
Use of EM Data Illustrated by three case studies in the Barents Sea

10:50 Edward Morris, George Vardoulas and Jon Ivar Rykkelid, Rocksource Geotech, Erik Gundersen, Petrolia E&P Holdings SE
A regional CSEM study of the Barents Sea

11:10 Enric Leon, Concedo, Jon-Mattis Børven, PetroMarker, Erik Mårten Blixt, Blueback Reservoir
Use of the CSEM Vertical Source, Vertical Receiver method as a de-risking tool in exploration. A case study on the Norwegian Continental Shelf

11:30 LUNCH

Chairman: Anh Kiet Nguyen, Statoil

Recent Technical Innovations in CSEM - 2

12:30 Lucy MacGregor and James Tomlinson, RSI
Reservoir characterisation using CSEM, seismic and well logs: Challenges and pitfalls

13:00 Johan Mattsson and Folke Engelmark, PGS
Anisotropy estimation from Towed Streamer EM data in the Alvheim Boa Field
13:20 Michael Zhdanov, University of Utah and Technoimaging, Masashi Endo, Technoimaging, Martin Čuma (University of Utah and Technoimaging), Johnathan Linfoot and Johan Mattsson (PGS)
New advances in large-scale 3D inversion of Marine CSEM data

13:40 COFFEE BREAK

14:00 Andrea Lovatini, Elena Medina, Marco Mantovani, Federico Ceci and Efthimios Tartaras, Schlumberger
Simultaneous joint inversion of Seismic and EM Data: An earth model building tool for complex structures

14:20 Eirik G. Flekkøy, Peter Legeydo, Endre Håland, Geir Drivenes and Jostein Kjerstad, ORG Geophysical
Hydrocarbon detection through induced polarization: Case study from the Frigg area

Global Experience with CSEM - 3

14:40 Keynote:
Svein Ellingsrud, EMGS
Ten years after and ten years ahead: Where is EM today and tomorrow?

15:10 END OF CONFERENCE