# Petroleum Systems Conference

**Tuesday 29. May**

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<thead>
<tr>
<th>HOUR:</th>
<th>DESCRIPTION:</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Registration</td>
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<tr>
<td>09:00</td>
<td>Welcome and introduction</td>
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| 09:05 | **Petroleum Systems**  
Chair: Elin Rein, Equinor |
| 09:05 | **Key Note: Shallow cores in the Northern Barents Sea: an introduction to geochemical results**  
Jorge Sánchez-Borque, NPD |
| 09:40 | **Basin and petroleum systems modelling in the northern Norwegian Barents Sea**  
Dr. Rüdiger Lutz, Federal Institute for Geosciences and Natural Resources (BGR) |
| 10:05 | **Combining play fairway mapping and petroleum system modelling in the Barents Sea**  
Balazs Badics, DEA Norge AS |
| 10:30 | Refreshment/Networking |
| 10:50 | **Could uplift and erosion result in source rocks expelling huge quantities of isotopically heavy gas?**  
Circumstantial evidence from wells on Svalbard  
Sverre E. Ohm, UiS |
| 11:15 | **One source, two kitchens: the petroleum system of the Alta and Neiden discoveries, SW Barents Sea**  
Jon Halvard Pedersen, Lundin Norway |
| 11:40 | **Role of Faults in Hydrocarbon Leakage in the Hammerfest Basin, SW Barents Sea**  
Dr. Ilya Ostanin, Shell |
| 12:05 | Lunch |
| 13:00 | **Geophysical methods and new technologies**  
Chair: Jon Erik Skeie, AkerBP |
| 13:00 | **Key Note: Source rock identification from seismic data and integration in basin modelling**  
Jan Ove Hansen, Equinor |
| 13:35 | **Radiogenic heat production in the crust from inversion of gravity and magnetic data.**  
Dr. Zuzana Alasonati Tašárová, Equinor |
| 14:00 | **Tectono physical forcing of hydrocarbon wandering**  
Ebbe Hvidegård Hartz, AkerBP |
| 14:25 | Refreshment/Networking |
| 14:45 | **Structures, pressure and temperature under large scale overthrusts - how obduction of the Oman Ophiolite influenced maturity and migration**  
Arne Grobe, Equinor |
| 15:10 | **Multi-proxy palaeo water-depth estimation**  
Dr. Gerben de Jager, SINTEF Industry |
| 15:35 | **Petroleum systems modelling constrained by methane seafloor seeps - the Vestnesa Ridge case**  
Matthias Ch. Daszinnies, Migros |
| 16:00 | Student poster session |
| 19:00 | Dinner |

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| 09:00         | **Key Note: Forensic oil geochemistry: Reconstructing the processes controlling the composition of reservoired oil**  
                 Paul Farrimond, Integrated Geochemical Interpretation (IGI) |
| 09:35         | **Assessing the Mobility of Polar Compounds in Different Marine Shale Systems**  
                 Dr. Stefanie Pötz, GFZ German Research Centre for Geosciences |
| 10:00         | **Southern North Sea / Feda Graben - a 3D petroleum system model calibrated with shows data**  
                 Kristian Angard, Migrls |
| 10:25         | Refreshment/Networking                                                        |
| 10:50         | **Biomarkers as an aid to recognizing palaeomigration routes on the Utsira High**  
                 Steve Killops, APT |
| 11:00         | **The Cretaceous Petroleum System of the Norwegian Sea**                      
                 Axel Wenke, Equinor |
| 11:40         | **Shows characterisation and petroleum system mapping using advanced mud gas evaluation**  
                 Trym Rognmo, GeoProvider |
| 12:05         | Lunch                                                                        |
| 13:00         | **Barbados petroleum and an poorly-understood petroleum system at the leading edge of the Caribbean plate.**  
                 Andres Felipe Cedeno, UiS |
| 13:25         | **Petroleum System of the northern Caribbean**                                
                 Guro Skarstein, UiS |
| 13:45         | **How data analytics and structural analysis can aid petroleum systems analysis - a case study from the Paleogene Basin, Hungary**  
                 Dr. Carolyn Lampe, Ucon Geoconsulting |
| 14:25         | Refreshment/Networking                                                        |
| 14:45         | **Creating a Quality Controlled Source Rock and Petroleum Geochemistry Data Base for Norway - UK Cross Border Petroleum Systems Analysis**  
                 Olaf Thießen, Equinor |
| 15:10         | **Generation vs Expulsion driven modifications in petroleum composition in the context of source rock lithology and organic matter type**  
                 Dr. Martin Stockhausen, Institute of Geosciences |
| 15:35         | **Key trends and observations in the hydrocarbon budget of the Norwegian North Sea**  
                 Dr. Kristian B. Brandsegg, Exploro AS |
| 16:00         | Closing remarks and awards                                                   
                 Elin Rein, Equinor |