# Subsea Pipelines & Cables

Tuesday 11. October

| HOUR: | DESCRIPTION: |
|---|---|
| 08:30 | **Registration** |
| 09:00 | **Welcome/opening remarks**<br>Per Nystrøm, IKM Ocean Design/ Chair of the program committee |
| 09:10 | **Keynote: Close lay - From theory to practice - Johan Castberg experience**<br>Rolf Morten Nes, Equinor |
| | **Session Chairs: Per Nystrøm, IKM & Morten Aamodt, Equinor** |
| 09:40 | **Fenja ETH PIP Technology and experience**<br>Antoine Marret & Torgeir Helland, TechnipFMC |
| 10:00 | **World's First Offshore Use of Adhesively Bonded Mechanically Lined Pipe (GluBi®)**<br>Martin Teigen, Subsea7 |
| 10:20 | **DC/FO, DC power, Fiber Optic subsea control umbilical infrastructure**<br>Ronan Michel, Alcatel Submarine Networks |
| 10:40 | **Refreshments/networking** |
| 11:10 | **How to transport $CO_2$ in pipelines onshore and offshore?**<br>Lars Even Torbergsen, DNV |
| 11:30 | **H2Pipe JIP - Developing codes for hydrogen transport in offshore pipelines**<br>Jan Fredrik Helgaker & Erling Østby, DNV |
| 11:50 | **Hydrogen-materials research on the influence of pressurized H2 gas on pipeline steel - Recent results from the HyLINE project**<br>Bård Nyhus, SINTEF |
| 12:30 | **Lunch** |
| | **Session Chairs: Michael Boubli, Technip FMC & Lars Wist Amdal, DNV** |

| HOUR: | DESCRIPTION: |
|---|---|
| 13:30 | **Subsea pipelines – a key for efficient transportation of larger volumes of hydrogen**<br>Morten Hval, Tom Bostrøm & Stig Gråberg, Reinertsen New Energy |
| 13:50 | **Subsea power cables for the offshore wind industry**<br>Tone Dale & Pål Are Eikrem, DNV |
| 14:10 | **Dynamic analysis of Power cable at shallow water**<br>Kristine Senderud, Aker Solutions |
| 14:30 | **Refreshments/networking** |
| 15:00 | **REPLACE vs Traditional Pre-Commissioning Considerations for the Ultra-Deep Water BM-C-33 Gas Export Pipeline**<br>Odd Reidar Boye, IKM Testing & John Page, Equinor |
| 15:20 | **Tie-in tool for diver flanges**<br>Claus Apneseth, DeepOcean |
| 15:40 | **Observed In-service Behavior of PiP with Residual Curvature Sections**<br>Kristian Norland, Subsea 7 |
| 16:00 | **Cross-border $CO_2$ pipeline from Europe to NCS: Challenges and Opportunities**<br>Dr. Venkatapathi Tharigopula, Equinor |
| 16:20 | **End day 1** |
| 18:30 | **Bus departure to EC Dahls** |
| 19:00 | **Aperitif & Dinner at EC Dahls** |

## Wednesday 12. October

| HOUR: | DESCRIPTION: |
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| | **Welcome day 2** |
| 09:00 | **Session Chairs: Lars Myklebost, Wood & Thore Grønvik, Subsea7** |

| HOUR: | DESCRIPTION: |
|---|---|
| 09:05 | **History behind the Norwegian subsea pipeline adventure**<br>Kjell Traa |
| 09:35 | **Krafla subsea field development and application of Pipeline Bundle technology**<br>Rasmus Haneferd, Subsea 7 |
| 09:55 | **Simulation of trawl board and pipeline pull-over interaction**<br>Vegard Longva, SINTEF Ocean |
| 10:15 | **Refreshments/networking** |
| 10:45 | **Axial Stiffness & Expansion Behaviour of Unbonded Flexible Pipes**<br>Knut Tørnes, Wood |
| 11:05 | **On-bottom Stability of Shallow Water Pipelines and Cables – Comparison of various methods and tools – Optimization Opportunities**<br>Odd Martin Lyngsaunet, IKM Ocean Design |
| 11:25 | **The new DNV-RP-F117 on Design of Pipeline Systems with Pressure Protection**<br>Jean Malnory, DNV & Leif Collberg, DNV |
| 11:45 | **Lunch** |
| | **Session Chairs: Egil Giertsen, SINTEF Ocean & Ragnar Igland, Aker Solutions** |
| 12:45 | **Linepipe Qualification for ultradeep water pipeline for improved strength ($\alpha_{fab}$) through heat treatment**<br>Håvar Ilstad, Equinor |
| 13:05 | **Total flow assurance management of long step out and deep water flowline systems, secured by electric heating (DEH)**<br>Ole Heggdal, Aker Solutions |
| 13:25 | **Baltic Pipe project – An important energy corridor to Europe**<br>Mark Christian Degn Eskesen, Energinet |
| 13:45 | **Torsion related damage under load-out of a cable with single-armour layer**<br>Philippe Mainçon, SINTEF Industry |

| HOUR: | DESCRIPTION: |
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| 14:05 | **Refreshments/networking** |
| 14:35 | **To leak or not to leak, that is what you would like to know**<br>Leif Collberg, DNV & Erik Levold, Equinor |
| 14:55 | **LotusFlo – A novel diamond-like coating to reduce solids depositing in production systems**<br>Øystein Moholdt, Shawcor |
| 15:15 | **Is This the World’s Deepest Subsea Repair?**<br>Christian Knutsen, IK-Group AS |
| 15:35 | **Re-cap by Per Nystrøm, IKM Ocean Design, Chair of the program committee** |
| 15:45 | **END of conference day 2** |