

## SCHEDULE

Friday, 7 May 2021

- 8:45 – 9:00** Zoom in the event with virtual coffee
- 9:00 – 9:15** Welcome speech (Morten Willaing Jeppesen, DHRTC Director)
- 9:15 – 10:00** Elevator pitches (Round 1)
- 10:00 – 10:45** Discussion tables (Round 1)
- 10:45 – 11:30** Elevator pitches (Round 2)
- 11:30 – 12:15** Discussion tables (Round 2)
- 12:15 – 12:30** Break
- 12:30 – 13:10** Game
- 13:10 – 13:40** Best poster award and closing of scientific session

# ELEVATOR PITCH (Round 1, 9:15-10:00)

The participants will be allowed 2 minutes per pitch

9:15	<b>[1] Natural fractures in a Lower Cretaceous chalk-marl reservoir (the Valdemar Field, Danish North Sea)</b> <i>Aslaug Glad</i>
	<b>[2] Machine learning approach to challenges in the Valdemar and Adda area</b> <i>Mads Lorentzen</i>
	<b>[3] Bayesian pre-stack seismic inversion of the Lower Cretaceous for litho-fluid classification</b> <i>Kenneth Bredesen</i>
	<b>[4] Forward stratigraphic modelling of the Tuxen and Sola formations</b> <i>Florian Smit</i>
	<b>[5] Fracture characterization and modeling in chalk</b> <i>Tala Maria Aabø</i>
	<b>[6] Kinetics of scaling formation</b> <i>Isaac Appelquist</i>
	<b>[7] Actual and Perceived Rate Constants in Flow-Chemistry</b> <i>Jakob Roar Bentzon</i>
	<b>[8] Probabilistic Modelling of the Performances of the Sub-surface Wells</b> <i>Yue Guan</i>
	<b>[9] Modelling of Biofilm Growth in Porous Media, a Pore-Scale Approach</b> <i>Mohammad Reza Alizadeh Kiapi</i>
	<b>[10] The combined effect of reservoir souring and barite precipitation during waterflooding oil and gas reservoirs</b> <i>Ali Mahmoodi</i>
	<b>[11] Temperature effect on the calcite surface reactions in aqueous environments</b> <i>María Bonto</i>
	<b>[12] Role of relative permeability hysteresis under modified salinity water flooding</b> <i>Seyedbehzad Hosseinzadeh</i>
	<b>[13] Porescale insights into the modified-salinity waterflooding in carbonates</b> <i>Mohsen Farhadzadeh</i>
	<b>[14] Estimating two-phase reactive flow model parameters from single- and two-phase modified-salinity core flooding data</b> <i>Helton Magno Ciriaco</i>
	<b>[15] Water-Rock Interactions During Low-Salinity Water-Flooding of Northern-Sea Chalks</b> <i>Pedro Rendel</i>
	<b>[16] Fibre reinforced cement sheaths for zonal isolation in oil wells</b> <i>Pablo Alberdi-Pagola</i>

**[17] Damage detection in offshore structures***Emmanouil Lydakis***[18] Damage localization using Scenario Based Damage Assessment (SBDA)***Jonas Abildgaard, Adam Jacobsen***[19] Extended Reach Interventions***Johannes Liljenherte, Sindhu Vudayagiri***[20] Value of Information in Risk Informed Asset Integrity Management***KASHIF ALI***Discussion session** (round 1, 10:00-10:45)

The participants will be allowed 4 minutes for presenting and 4 minutes for Q/A

Room 1 (1-5)	Room 2 (6-10)	Room 3 (11-15)	Room 4 (16-20)
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**ELEVATOR PITCH** (Round 2, 11:15-12:00)

The participants will be allowed 2 minutes per pitch

<b>10:45</b>	<b>[21] Feasibility of oxidation of produced water as pre-treatment for eco-toxicity removal</b> <i>Ana Rita Ferreira</i>
	<b>[22] Developing Polymer Gels for Sealing Abandoned Oil Wells</b> <i>Sumant Dwivedi</i>
	<b>[23] Clean Biocides</b> <i>Jakob Stein</i>
	<b>[24] Origin and types of bitumen within the Lower Cretaceous reservoirs in the Valdemar area, Danish North Sea</b> <i>Arka Rudra</i>
	<b>[25] Zero Discharge of H<sub>2</sub>S Scavenging Chemicals</b> <i>Nikos Montesantos</i>
	<b>[26] CO<sub>2</sub> Corrosion Product Augmentation</b> <i>Dlshad Shaikhah</i>
	<b>[27] Experimental and molecular modelling study of corrosion inhibition capability of green extracts for 1Cr steel used for oil &amp; gas industry</b> <i>Shivangi Gupta</i>

**[28] Corrosion of L80-1Cr with ferritic-pearlitic microstructure: Initiation and growth under CO2 conditions***Kapil Kumar Gupta***[29] Nonlinear performance and damage detection of structural systems***Luigi Caglio***[30] Operational Modal Analysis on structural systems based on short time histories***Johannes Schou, Dimitrios Anagnostopoulos***[31] A midsurface extraction workflow for fluid flow modelling from CT-images of fractured core samples***Carlos Augusto Soares Ferreira***[32] Locally view the molecules at interface***Ming Li***[33] FLEXT: A Flexible Scripting X-ray Computed Tomography System For Multiscale and Dynamic Imaging***Armin Afrough***[34] Improved dynamic imaging of multiphase flow by constrained tomographic reconstruction***Peter Winkel Rasmussen***[35] compaction parameter identification using a genetic algorithm***Mohammad Reza Hajiabadi***[36] Real-world rogue wave probabilities***Dion Häfner***[37] Detection of Breaking Waves***Thomas Kabel***[38] Optimizing maintenance scheduling***Waqas Khalid***[39] Numerical modelling of water waves using a single phase approach***Jesper Roland Kjærgaard Qvist***[40] Damage detection - vibration analysis***Doris Popovic***Discussion session** (round 2, 11:30-12:15)

The participants will be allowed 4 minutes for presenting and 4 minutes for Q/A

Room 1 (21-25)	Room 2 (26-30)	Room 3 (31-35)	Room 4 (36-40)
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