

Young Researcher's Day 2020

Schedule of the event

Friday, 15 May 2020

9:00 – 9:30	Zoom in the event with virtual coffee
9:30 – 9:40	Welcome speech
9:40 – 10:30	Elevator pitches (round 1)
10:30 – 11:15	Discussion (round 1)
11:15 – 12:00	Elevator pitches (round 2)
12:00 – 12:45	Discussion (round 2)
12:45 – 13:30	Elevator pitches (round 3)
13:30 – 14:15	Discussion (round 3)
14:15 – 14:45	Online quiz
14:45 – 15:15	Best poster award and closing of scientific session

Elevator pitch presentations and discussion sessions

Elevator pitch (round 1, 9:40-10:30)

The participants will be allowed 2 minutes/pitch

9:40-	[1] Reservoir compaction: knowledge transfer from the lab. to field scale <i>Frederic Amour</i>
	[2] Low salinity water flooding in Danish chalk reservoirs <i>Rasoul Mokhtari</i>
	[3] Modelling of two stimulation treatments in a Danish North Sea field <i>Milad Mohammadi</i>
	[4] The effect of flow on stability analysis of single hole test <i>Mohammad R. Hajiabadi</i>
	[5] Analysis of the mechanistic models for wettability change during waterflooding in carbonates <i>Maria Bonto</i>
	[6] Effect of Microstructure on corrosion behavior of Mild steel in sweet conditions <i>Kapil Kumar Gupta</i>
	[7] Development of Smart Skin Optical Strain Sensor for Corrosion Monitoring <i>Ioannis Mantis</i>
	[8] Corrosion Product Augmentation <i>Dishad Shaikhah</i>
	[9] Deposition of barite in porous media and in flowing condition <i>Hamid Rafiee</i>
	[10] Equipment Grouping Principles for Preventive Maintenance <i>Iman Soleymani</i>
	[11] Robustness and reliability in Structural Health Monitoring <i>Pernille Lysgaard</i>
	[12] Finite Element Model Updating of Offshore Structures <i>Alejandro Caballero Arcos</i>

[13] Detection of structural changes (*combines 2 pitches*)
Mathias Hagbarth, Jacob Nørregaard

[14] Laboratory measurements of extreme wave loads on a circular cylinder
Simone de Lemos

[15] Fracture characterization in a tight marly reservoir, The Valdemar Field Danish North Sea
Aslaug Clemmensen Glad

[16] Zooming into high and low porosity chalk
Stefanie Lode

[17] Towards Improving Seismic Imaging of the Lower Cretaceous
Mads Lorentzen

[18] Gas Liberation in Low Permeable Reservoirs
Wael Almasri

[19] Batch Training: Physics-informed Neural Networks for Solving Inverse Problems of Nonlinear Biot's equations
Teeratorn Kadeethum

[20] Fractures: From outcrops to models
Simon Oldfield

Discussion session (round 1, 10:30-11:15)

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

Room 1

Room 2

Room 3

Room 4

Elevator pitch (round 2, 11:15-12:00)

The participants will be allowed 2 minutes/pitch

11:15-	[21] Temperature effect on waterflooding processes in chalk reservoirs <i>Seyedbehzad Hosseinzadeh</i>
	[22] Estimation of Calcite Wettability Using Surface Forces <i>Mirhossein Taheriotaghsara</i>
	[23] Pore-scale modeling of modified salinity waterflooding in chalk images: Effects of wettability alteration <i>Mohsen Farhadzadeh</i>
	[24] Investigation of self-healing attributes of bacterial concrete through sulfate <i>Manas Sarkar</i>
	[25] THM Processes in Fractured Reservoirs <i>Luis Fernando Lopez Torres</i>
	[26] Thermo-Hydro-bioChemical modelling for prediction of reservoir souring <i>Moein Jahanbani Veshareh</i>
	[27] Probabilistic modelling of the performances for sub-surface wells <i>Yue Guan</i>
	[28] Risk Based Asset Integrity Management (RBAIM) of Sub-surface Wells <i>Akinyemi Akinsanya</i>
	[29] Effect of amines on Corrosion inhibition of carbon steel in CO2 environment <i>Shivangi Gupta</i>
	[30] Simulations of a Modular Taylor-Couette Reactor for Kinetics Studies <i>Jakob Roar Bentzon</i>
	[31] Dynamics and Kinematics of Extreme Non-Breaking and Breaking Irregular Waves <i>Mathias Klahn</i>
	[32] Simulation of water waves <i>Jesper Qwist</i>

[33] Detection of nonlinear behavior from response measurement
Karsten Vesterholm

[34] Ocean Waves Mapped by LIDAR Technology
Thomas Kabel

[35] Development of a potential flow solver including wave-structure interaction
Jacob Hicks

[36] Extended Coiled Tubing Reach (combines 3 pitches)
Sindhu Vudayagiri, Zahra Nickmand, Johannes Liljenhjerte

[37] Mechanical testing and modelling of oil & gas well cement sheath (combines 2 pitches)
Victor Marcos Meson, Pablo Alberdi Pagola

Discussion session (round 2, 12:00-12:45)

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

Room 1

Room 2

Room 3

Room 4

Elevator pitch (round 3, 12:45-13:30)

The participants will be allowed 2 minutes/pitch

12:45-	<p>[38] Advanced chemical analysis of polar crude oil constituents using chromatography and mass spectroscopy <i>Ho Anh Khoa Huynh</i></p>
	<p>[39] Improving tomographic reconstruction of dynamic undersampled data via initialization <i>Peter Winkel Rasmussen</i></p>
	<p>[40] Fractures and their Influence on Fluid Flow in Chalk <i>Tala Maria Aabø</i></p>
	<p>[41] Gas Injection in Danish Tight Lower Cretaceous Reservoir <i>Samira Mohammadkhani</i></p>
	<p>[42] Basin inversion - an important ingredient in the formation of Lower Cretaceous reservoirs <i>Torsten Hundebøl Hansen</i></p>
	<p>[43] Maintenance scheduling in oil & gas sector <i>Waqas Khalid</i></p>
	<p>[44] Configuration of Maintenance Operations <i>Kasper Hansen</i></p>
	<p>[45] Characterisation of solubility and kinetics of FeCO₃ <i>Isaac Løge, Randi Neerup</i></p>
	<p>[46] An Ocean of Data <i>Dion Häfner</i></p>
	<p>[47] Advanced and Efficient Probabilistic Response Modelling and Analysis <i>Juan Gonzalo Sepúlveda Astudillo</i></p>
	<p>[48] Load environment modeling <i>Sebastian Glavind</i></p>
	<p>[49] Normalized Crack Growth Model <i>Henning Brüske</i></p>

[50] Value of Information (Vol) in Risk Informed Asset Integrity Management (RIAIM)
Kashif Ali

[51] LOCRETA rock mechanical test- Upper Tuxen Formation
Amirhossein Shamsolhodaei

[52] Effects of gas addition on the phase behavior of a Lower Cretaceous reservoir fluid
Teresa Requeira

[53] Molecular typing of bitumen extracts and kerogen from the Lower Cretaceous reservoirs, North Sea
Arka Rudra

[54] Lower Cretaceous clay mineral distribution in the Danish North Sea
Carlette Blok

[55] Oil-Water Separation in the Presence of Production Chemicals
Mathias Kjeldahl Jørgensen

[56] Thermal segregation in petroleum reservoirs
Hadise Baghoee

Discussion session (round 3, 13:30-14:15)

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

Room 1

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Room 3

Room 4