

Celle Drilling 2021 - Digital Edition, Tuesday, 14th September 2021

08:30	Registration		
08:50	Welcome <i>Thor Noevig, Chair, GeoEnergy Celle e.V.</i> <i>Anne Bartetzko, Chair, Program Committee</i>		
09:00	Keynote Talk: Geothermal energy from medium depth - A game changer for the energy transition in the North German Basin <i>Inga Moeck, Leibniz Institute for Applied Geophysics (LIAG)</i>		
09:30	Keynote Talk: Challenges and Achievements in Drilling the Molasse Basin <i>Neil Farquharson, Erdwerk</i>		
10:00	Networking Break, Virtual Exhibition		
	Session 1: Geothermal Energy <i>Chair: Junichi Sugiura</i>	Session 2: Borehole Hydraulics and Wellbore Stability <i>Chair: Becky Lepp</i>	Session 3: Data Analytics and Modelling <i>Chair: Andreas Ruch</i>
10:30	Mitigating drilling risks with geomechanical modelling: a geothermal case study <i>Giovanni Sosio, Schlumberger</i>	Evaluation of tool joints influence on the differential pressure while circulation of drilling fluid in the well annulus <i>Evgeniy Orlik, Baker Hughes</i>	Improving Drilling Data Quality: The fundamental step towards digitalization <i>Andrea Spelta, Eni Spa</i>
11:00	Improving Availability of Geothermal Systems through Application of a complete HSE and Performance Management and Monitoring System <i>Floris Degener, Well Engineering Partners B.V.</i>	New insights on the origin of borehole breakouts from LWD Observations <i>Kai Stricker, Karlsruhe Institute of Technology KIT</i>	Integrated Real-time Modeling and Simulation for Wellbore Hydraulics <i>Pedro Arevalo, Baker Hughes</i>
11:30	Geothermal wells <i>Philipp Schroer, Fraunhofer IEG</i>	Hole cleaning velocity correction due to string eccentricity and rotation <i>Roger Aragall, Baker Hughes</i>	Guidelines for Automated Wellbore Stability Workflows <i>Ye Yue, Clausthal University of Technology</i>

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12:00	Networking Break, Virtual Exhibition		
13:00	Keynote Talk: Rig Automation, challenges and way forward <i>Awais Baig, Schlumberger</i>		
	Session 4: Advanced Drilling Technology <i>Chairs: Joachim Oppelt, Fred Florence</i>	Session 5: Equipment <i>Chair: Joep Beijer</i>	Session 6: Dynamics and Bit Selection <i>Chair: Michael Neubert</i>
13:30	Optimization of the operating behaviour of a mud-powered hammer prototype for the exploitation of geothermal reservoirs in hard, crystalline rock formations <i>Erik Feldmann, Clausthal University of Technology</i>	Battery Energy Storage Systems for Drilling Rigs to reduce operating costs and the carbon footprint <i>Andreas Künnemann, Bentec</i>	Laboratory Study on the Effects of Vibration on Pipe- Cement Bonding <i>Helen Pedrus Chinweuba, Clausthal University of Technology</i>
14:00	TU Clausthal 2020 Drillbotics Contribution <i>Felix Odebrett, Clausthal University of Technology</i>	Downhole Drilling Motor with Real-Time Near-Bit Measurements <i>Steve Jones, Sanvean Technologies</i>	Reshaping Drilling Performance: Innovative Ridge Diamond Element Bit Optimizes Multiple Well Drilling in High Impact Formation <i>Ramadhan Yoan Mardiana, Schlumberger</i>
14:30	Bedretto Underground Laboratory for Geoenergies (BULG) Borehole Fracture Identification: Drill Hammer Measurements Whilst Drilling (MWD) <i>Simran Johal, Geo Energie Suisse</i>	Weight Monitoring System for Production Tubing <i>Carsten Braun , EXaL Technology</i>	Effect of Drillstring Stiffness on Experimental Downscaling of Drilling Vibrations <i>Catalin Teodoriu, University of Oklahoma</i>
15:00	Networking, Virtual Exhibition		