

Congress program

Friday 1. March 2024

GeoTHERM
expo & congress

Deep geothermal energy – Baden Arena
Congress 1 sponsored by Halliburton

HALLIBURTON

09:10 a.m.	Novel Electrical Submersible Pump (ESP) technology boosted production by 56% from High-Enthalpy Geothermal Wells Jorge Luis Villalobos Leon – SLB	11:40 a.m.	Laboratory Testing of Closed Loop Geothermal Systems and Applications for Scaling to District Heating in Germany Francesco Di Credico – Baker Hughes
09:30 a.m.	Real-time Electric Submersible Pump Machine Learning Diagnostics Enable Scale Detection and Power Optimization in Geothermal Applications Juan Pablo Atencia – HALLIBURTON	1:30 p.m.	New developments in scale and corrosion inhibitors for geothermal applications Davide Parravicini – Italmatch Chemicals
09:50 a.m.	Realistic automated scenario drilling through implementation and validation of physical and machine learning models using a real-time drilling simulator Harits Alkatiri – TU Clausthal	1:50 p.m.	A comprehensive study on drilling performance of first prototype from ORCHYD: Design, fabrication and experimental tests Laurent Gerbaud – Mines Paris / ARMINES
10:10 a.m.	Real-Time Data Simulator for the Qualification of DAS Passive Seismic Geothermal Monitoring Systems Joel Le Calvez – SLB	2:20 p.m.	Critical Stress Analysis- Applications in EGS (Enhanced Geothermal Systems): Auburn Geothermal Well Study Case Daniela Pinilla Granados – SLB
10:40 a.m.	Benchmarking Performance Data: Driving Excellence in the in Geothermal Industry Dr. Marco Meirich – Neowells	2:40 p.m.	Optimizing power generation in EGS reservoir with Organic Rankine Cycle based on Radial Outflow Turbine technology: The United Downs Deep Geothermal Project Davide Elia Lattuada – Exergy International srl
11:00 a.m.	Benefits and opportunities of Geothermal Drilling Campaigns Marc Knebel – Well Engineering Partners GmbH	3:00 p.m.	Successful Planning and Drilling of Forked Injection Wells at Sorik Marapi Geothermal Project Sami Atalay – Geothermal Resources Group
11:20 a.m.	Geothermal response test and one-year test operation on a medium-depth geothermal probe storage facility Matthias Krusemark – GFZ Potsdam		

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Shallow geothermal energy - Baden Arena
Congress 2 sponsored by Baker Hughes

Baker Hughes 

09:10 a.m.	Geothermal probes Tests according to SIA 384/6:2021 Ernst Rohner – Engeo AG	11:40 a.m.	Ageli, two experts cooperating to produce lithium with low environmental impacts from geothermal brine in the French Upper Rhine Graben Guillaume Ravier & Kateryna Omelchuk – Eramet, Électricité de Strasbourg (ÉS)
09:30 a.m.	Efficient operation of geothermal probe fields and their active regeneration Prof. Dr.-Ing. Frieder Häfner – TU Bergakademie Freiberg	1:30 p.m.	Influence of the installation and backfilling technology on the system permeability of geothermal probes Dr.-Ing. Rolf Michael Wagner – BLZ Geotechnik GmbH
09:50 a.m.	Creation of a model for seasonal borehole heat exchangers and integration into a power plant simulation environment as part of the HeatSHIFT project Prof. Dr.-Ing. Roland Koenigsdorff – Hochschule Biberach HBC	1:50 p.m.	Vertical hydraulic sealing of EWS structures - Results from the joint project QEWSplus Micha Pinnekamp – ZAE Bayern e.V.
10:10 a.m.	Findings on borehole integrity from dismantled geothermal probes - Interaction of geothermal probe backfill materials with the subsurface Yannick Reduth – Solites, Steinbeis Forschungsinstitut für solare und zukunftsfähige thermische Energiesysteme	2:20 p.m.	Simulation and design of geothermal plants in special civil engineering Dr. Bernd Wenzel – BAUER Resources GmbH
10:40 a.m.	Medium-depth geothermal energy in Hamburg-Wilhelmsburg Carsten Hansen – HAMBURG ENERGIE Geothermie GmbH (HEGeo)	2:40 p.m.	Monitoring in comparison with simulation results of a large cold local heating network with geothermal collector Hauke Hirsch – Institut für Bauklimatik, Technische Universität Dresden
11:00 a.m.	Exploration and drilling for the geothermal district heating of Potsdam Sven Fuchs – GFZ Potsdam	3:00 p.m.	Innovation in construction training: "Students and trainees" - together a strong team Gerd Siebenborn & Melanie Campbell – Bau-ABC Rostrup
11:20 a.m.	Performance of full-scale HT-ATES in practice: Lessons learned from two years of successful HT-ATES operation in Middenmeer, the Netherlands Peter Oerlemans – IF Technology		