

Tuesday, 17th September

11:00 - 12:00 **Registration**

**Großer Saal - Keynotes**

12:15 - 12:30 **Welcome** Thor Noevig / Philip Jaeger

12:30 - 13:00 **The Future of Drilling**  
Sven Krüger / Matthias Gatzen, Baker Hughes

13:00 - 13:30 **The Eden Geothermal Project, from Drilling to Heat Production**  
Jörg Baumgärtner, Bestec GmbH

13.30 - 14:00 **Balancing Groundwater Protection and Deep Geothermal Drilling: Addressing the Conflict of Interest**  
Ingo Sass, Deutsches GeoForschungsZentrum Potsdam GFZ

14:00 - 14:30 Coffee Break & Networking

**Großer Saal - Session 1**  
**Geothermal Drilling Technology**

**Celler Saal - Session 2**  
**Downhole Tool Innovations**

14:30 - 15:00 **Geothermal Wells and Technology**  
Mike Adams, Tuboscope NOV

**Increasing Efficiency and Safety in Congested Drilling Operations**  
Austin Pile, Scientific Drilling International

15:00 - 15:30 **Urbane Drilling Rigs – Development and validation of innovative drilling rig technology for use in inner-city areas**  
Timo Trauth, Herrenknecht Vertical GmbH

**Effect of Groove Shape in Rock Cutting Efficiency**  
Murat Panayirci, Schlumberger Cambridge Research

15:30 - 16:00 **Learning in geothermal energy generation: A comparison of recent learnings and learning barriers in Germany and the USA**  
Florian Müller, ETH Zürich

**A New Ultra-deep Azimuthal Resistivity Service delivers advanced reservoir mapping**  
Alexander Zlotnik, Baker Hughes

16:00 - 16:30 Coffee Break & Networking

**Großer Saal - Session 3**  
**Geothermal Drilling Technology**

**Celler Saal - Session 4**  
**Downhole Tool Innovations**

16:30 - 17:00 **Thermal Heating and Cooling Cycles: An Experimental Analysis of Grouting and Pellets Integrity for HT-ATES Systems**  
Alexis Koulidis, TU Delft

**Evaluation of Drilling Dynamic Sensor Placement In Drill Stem By Utilizing Advanced Dynamics Modelling Resulted In Substantial Improvements**  
Mehdi Pourtangestani, SLB

17:00 - 17:30 **Novel Return Permeability Tests: The Effect of Drilling Additives on Wells for High-Temperature Aquifer Thermal Energy Storage (HT-ATES)**  
Martin van der Schans, KWR Water Research Institute

**Drilling Granite With PDC Bits – A Case Study From The Utah Geothermal Application**  
Roger Lee / Andrew Pauli, BRK Berkshire Hathaway Energy

17:30 - 18:00 **Insights into Drilling Engineering from the MD-BTES Construction at the SKEWS Demo Site**  
Ingo Sass, Deutsches GeoForschungsZentrum Potsdam GFZ

**Solid-state Gyro-While-Drilling Technology as One of the Optimization Methods in A Browfield-fast-drilling Environment Indonesia**  
Bonar Noviesta, SLB

18:00 - 19:00 Networking

19:00 Conference Evening

Wednesday, 18th September

**Großer Saal - Session 5  
Drilling Technology**

**Celler Saal - Session 6  
AI / Simulation / Instrumentation Technology**

09:00 - 09:30 **BETA - Accelerated Field Testing in a full scale environment**  
*Ruediger Biedorf, Baker Hughes*

**AI-Drilling Software Development and Testing for Drilling Safe and Fast**  
*Hamed Sahebi, University of Stavanger*

09:30 - 10:00 **Effective non-frac reservoir stimulation of geothermal reservoir using the Fishbones drilled multi-lateral completion system**  
*Jos Okkermann, Fishbones AS*

**From DigITSimulator to Optimizing Drilling**  
*Victor Häfner / Felix Longge Michels, KIT Karlsruhe Institute of Technology*

10:00 - 10:30 **Enhancing Drilling Efficiency and Accuracy with a Dual-Telemetry Rotary Steerable System**  
*Adam von Antz, Scientific Drilling*

**Investigation of major NPT events using a digital twin**  
*Sigve Hovda, ComputerWell*

10:30 - 11:00 Coffee Break & Networking

**Großer Saal - Session 7  
Drilling Technology**

**Celler Saal - Session 8  
AI / Simulation / Instrumentation Technology**

11:00 - 11:30 **Downhole Measurement of Bending Moment Provides Identification of Wellbore Stability Problems Close to the Bit and Allows for Real-time Solutions**  
*James Hood, Baker Hughes KSA*

**New Hybrid Method for a Holistic Simulation of Drilling in Full-Scale**  
*Rodrigue Freifer, Herrenknecht Vertical GmbH*

11:30 - 12:00 **With Coil Tubing Rigs shallow Geothermal Wells between 300 m and 700 m can be drilled Safer, much faster and more environmentally friendly than today**  
*Arthur De Mul, Huisman*

**Preventing Downhole Tool Failure during Geothermal Well Construction Using a Hybrid Real-Time Temperature Management Advisory System**  
*Naveen Velmurugan, Virgil Dynamics*

12:00 - 13:00 Lunch Break & Networking

**Großer Saal - Session 9  
Drilling Technology**

**Celler Saal - Session 10  
Composite Materials**

13:00 - 13:30 **Managed Pressure Drilling & Cementing Enable Successful Navigation of Complexities in Extended Reach Drilling Wells with Narrow Drilling Windows in the Alberta Deep Basin**  
*Alyswa Wen, Beyond Energy Services & Technology*

**Evaluating casing integrity for wells exposed to H2S: Experience from an NCS study using risk-based assessment**  
*Eric Ford, NORCE Norwegian Research Centre AS*

13:30 - 14:00 **Navigating Towards Net Zero: A Holistic Approach to Greenhouse Gas Emissions Management in Drilling Operations**  
*Divya Nair Gopalan, SLB*

**(Radioactive) scale modelling - A comparison of steel and GRE based geothermal wells - GRE-GEO Workshop**  
*Govert de With, Nuclear Research and consultancy Group (NRG)*

14:00 - 14:30 **Investigations of the Bit Wear on the Excitation of High-Frequency Torsional Oscillations**  
*Felix Mueller, Baker Hughes*

**Generalized Well Design for GRE Tubulars in Casing and Protective Barrier Applications / GRE-GEO Workshop**  
*Ferid Seyidov, Vulcan Energy Engineering GmbH*

14:30 - 15:00 Coffee Break & Networking

Wednesday, 18th September

**Großer Saal - Session 11**  
**Drilling Technology**

**Celler Saal - Session 12**  
**Well Integrity / Composite Materials**

15:00 - 15:30 **Parallel drilling and intersecting two wells using Active Magnetic Ranging (AMR)**  
*Aleksandr Vetsak, Eavor*

**Enhanced Design Envelope for Glass Reinforced Epoxy composite Tubulars in Downhole Applications / GRE-GEO Workshop**  
*Javier Holzmann / Leo de Mul / Kees Rookus, TU Clausthal*

15:30 - 16:00 **Multi-lateral Technologies in Closed-Loop Geothermal Systems**  
*Eddy Arida, Eavor*

**Handling Techniques and Recommendations for composite Glass Reinforced Epoxy (GRE) Tubulars in Downhole Applications**  
*Javier Holzmann, ITE Engineering GmbH / TU Clausthal*

**16:00 End of Conference**

Gold Sponsor

**Baker Hughes** 

Silver Sponsor

 **Huisman**

**KUGLER**<sup>®</sup>  
Konzepte für die Fest-Flüssig-Trennung

**MB**  Well Services

**ZEPPELIN**<sup>®</sup> **CAT**<sup>®</sup>  
Power Systems

Sponsor

**BVEG**  
Bundesverband Erdgas,  
Erdöl und Geoenergie e.V.