

GeoTHERM

expo & congress



2. + 3. June
EXHIBITION CENTER OFFENBURG

Congress Programme

Thursday, 2 June 2022

EN DE

CONGRESS 1 · Deep Geothermal Energy

- 10.10 - 10.45 Opening Session and Words of Welcome
10.45 - 11.30 Break
11.30 - 11.55 Frequently Asked Questions –
Questions and answers on deep geothermal energy
Dr. Ingrid Stober, LFZG – Landesforschungszentrum Geothermie,
Baden-Württemberg
11.55 - 12.20 Deep geothermal energy: Tension between acceptance and official dispute
decision in seismic campaigns
Rechtsanwalt Prof. Hartmut Gaßner, [Gaßner, Groth, Siederer & Coll.]
12.20 - 12.45 CROWD THERMAL Core Services –
Towards the uptake of geothermal energy in Europe
Márcio Tameirão Pinto, La Palma Research Centre;
Isabel Fernández Fuentes, EFG, CROWD THERMAL Coordinator
12.45 - 13.10 The geothermal sector in Poland
Henning von Zanthier, LL. M. Rechtsanwalt/radca prawny
VON ZANTHIER & DACHOWSKI
13.10 - 14.30 Break
14.30 - 14.55 Transition from hydrocarbon production to geothermal heat storage
in the Upper Rhine Graben – the research infrastructure DeepStor
Prof. Dr. Eva Schill, Karlsruhe Institute of Technology, Technical University Darmstadt
14.55 - 15.20 Reservoir quality potential in the Buntsandstein – away from faults
Benjamin Busch, Institute of Applied Geosciences, Karlsruhe Institute
of Technology (KIT)
15.20 - 15.45 Geothermal energy in transition using the example
of the Landau heat and power plant
Dr.-Ing. Heiner Menzel, gec-co Global Engineering & Consulting-Company GmbH
15.45 - 16.30 Break
16.30 - 16.55 Drilling performances study of a mud driven downhole hammer,
assisted with ultra-high pressure water jetting
Laurent Gerbaud, Armines/MinesParisTech
16.55 - 17.20 New Technical Developments in Wellhead Design – Best Practices and Projects
Werner Hartmann, Hartmann Valves GmbH

CONGRESS 2 · Shallow Geothermal Energy

- 11.00 - 11.25 A new interpretation of thermal response tests (TRT) with surprising results
Mohammad Akol (M.S.), Institut für Geologie, TU Bergakademie Freiberg
11.25 - 11.50 Temperature measurements in borehole heat exchangers:
Experiences and recommendations
Dr. Sven Rumohr, Hessisches Landesamt für Naturschutz, Umwelt und Geologie
11.50 - 12.15 High extraction rates on a small area – necessary conditions in the soil
and their effects; possible measures & combination with hybrid sources.
Volkmar Frotscher, GeoCollect GmbH
12.15 - 13.20 Break
13.20 - 13.45 Heat transition and acceleration of the use of near-surface geothermal energy
Dr. Georg Buchholz, [Gaßner, Groth, Siederer & Coll.]
13.45 - 14.10 Geothermal energy and low-temperature district heating networks
ideally combined
Christian Engel, Austroflex Rohr-Isoliertechnik GmbH
14.10 - 14.35 Geothermal district heating in residential areas –
Efficient underground design and operational concepts
Dr. David Kuntz, GeoAlto GmbH
14.35 - 15.00 Possibilities of self-sufficient heat supply of urban quarters
through borehole heat exchangers with solar regeneration
Dr. Joachim Poppei, CSD INGENIEURE AG
15.00 - 15.50 Break
15.50 - 16.15 Status and potential for aquifer storage in Germany
Philipp Blum, Karlsruher Institut für Technologie (KIT)
16.15 - 16.40 Geothermal utilisation of aquifers with higher iron concentration by
underground deferrisation and demanganisation –
Presentation of a successfully completed project
Prof. Dr. Simone Walker-Hertkorn, Tewag GmbH
16.40 - 17.05 Possibilities for the valorisation of energy potentials in the mining environment
as well as approaches for the sustainable energetic conversion and subsequent
use of mining infrastructure and uplift waters
Dr. Rolf Schiffer, Schiffer Consult – Schiffer GEO Services, Institut für Angewandte
Geologie der Ruhr-Universität Bochum
17.05 - 17.30 An attempt to test geothermal anomaly hypothesis
on the Bolshoi Solovetsky island using lakes' temperature profiles
Sergey Cherkasov, Vernadsky State Geological Museum of RAS

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all congress sessions are translated simultaneously: English - German

CONGRESS 1 · Deep Geothermal Energy

09.10 - 09.35	Mitigating Collapse issues in Geothermal wells through appropriate Tubular selection Oliver Paulussen, Vallourec
09.35 - 10.00	Full-Service Package for Glass Reinforced Epoxy Casing: Cementing with Light-weight Systems and Perforating employing Acid-soluble Abrasives Dr. Nils Lummer, Fangmann Energy Services GmbH & Co. KG
10.00 - 10.45	Break
10.45 - 11.10	GeoCoGen Eclépens: Geothermal Prospection in Western Switzerland Rodolphe Lathion, Swiss Geo Energy SA
11.10 - 11.35	Geothermal exploration best practice in White Spot areas. A case study from Amsterdam Region Pieter van Heiningen , Blue Gold Exploration Consultancy BV
11.35 - 12.00	Eden Geothermal Project – Eden’s (UK) hot rocks project hits target with successful drilling of first deep well Dr. Jörg Baumgärtner , BESTEC GmbH and BESTEC UK Ltd
12.00 - 13.00	Break
13.00 - 13.25	Investigations into lithium extraction from deep geothermal waters in Germany Elif Kaymakci, EnBW Energie Baden-Württemberg
13.25 - 13.50	Lithium in the Buntsandstein reservoir of the Upper Rhine Graben – potential and production Dr. Horst Kreuter, Vulcan Energie Ressourcen GmbH
13.50 - 14.30	Break
14.30 - 14.55	Geothermal Geosolutions for resource exploration and characterization Ran Bachrach & Luca Masnaghetti, Schlumberger Geosolutions
14.55 - 15.20	Geothermal Submersible Pump Best Practices for Europe , A Technical Guide for Selecting Geothermal Submersible Pumping Systems Siddhartha Arasu Chidambaranathan, Novomet

CONGRESS 2 · Shallow Geothermal Energy

09.05 - 09.30	Comparison in practice of a standard double U-tube probe with the prototype of the ring tube probe Dr.-Ing. Rolf Michael Wagner, BLZ Geotechnik GmbH
09.30 - 09.55	What happened so far: Successful projects and new records with the world’s strongest geothermal probe Benjamin Pernter, Jansen AG
09.55 - 10.20	Development of a radar probe for monitoring the ring filling of geothermal probes – Results from the joint project GeoMo Thomas Nacke, iba e.V.
10.20 - 10.45	Thermophysical parameters of backfill materials for geothermal probes within the framework of the collaborative project QEWSPLUS Petra Huttenloch, EIFER (European Institute for Energy Research)
10.45 - 12.00	Break
12.00 - 12.25	Examples of integration and optimisation of operation of shallow geothermal energy systems in commercial and non-residential buildings within project geo:base Prof. Dr. Lars Kühl , Ostfalia Hochschule für angewandte Wissenschaften
12.25 - 12.50	Geothermally activated mixed-in-place wall – flagship project in deep foundation engineering Holger Kaiser, Bauer Resources GmbH
12.50 - 13.15	De-Icing of Surfaces with Shallow Geothermal Energy through CO ₂ Borehole Heat-Exchanger – The collaborative project GERDI Lars Staudacher, Bayerisches Zentrum für Angewandte Energieforschung e.V.
13.15 - 13.40	MPC Geothermal – Efficient & Sustainable Operation of Geothermal Probe Fields with Model Predictive Control Strategy Dr. Renate Pechnig, Geophysica Beratungsgesellschaft mbH
13.40 - 14.15	Break
14.15 - 14.40	Dynamic building simulations at neighbourhood level including heating technology in the geothermally supplied cold local heating network Paul Satke, Hochschule für Technik, Wirtschaft und Kultur Leipzig
14.40 - 15.05	GEOFIT – Easy-to-install, economical and enhanced geothermal systems for energy efficient building retrofitting Dr. Henk Witte, Groenholland Geo-energiesystemen
15.05 - 15.30	Operation of borehole heat exchanger systems in combination with photovoltaics as well as solar thermal energy – experience report with description of the consequences for the design Stefan Pohl, geo consult POHL

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