

Session Program

Oct 9 - 10, 2019



7th European Geothermal Workshop - Characterization of Deep Geothermal Systems

Poster Session

Karlsruhe, KIT - AudiMax
Karlsruhe Institute of Technology South Campus Forum-Hörsaal AudiMax, Bldg. 30.95 Strasse am Forum 1
76131 Karlsruhe Germany

Wed, October 9

9:00 AM

Poster Session

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Location: Karlsruhe, KIT - AudiMax, Karlsruhe Institute of Technology South Campus Forum-Hörsaal AudiMax, Bldg. 30.95 Strasse am Forum 1 76131 Karlsruhe Germany

Numerical modeling of thermal front propagation caused by fluid injection in a fractured reservoir for forecasting thermal-induced seismicity

Speaker

Mr Valentin Goldberg

Geological structures and analogue permeability studies in Los Humeros geothermal system

Speaker

Walter Wheeler

Analysis of the applicability of ambient noise based techniques on the monitoring of deep geothermal reservoirs by numerical modelling

Speaker

Jérôme Azzola

In-situ stress and rock mass characterisation via mini-frac tests at the Bedretto Underground Laboratory

Speaker

Mr Kai Broeker

Hydrogeological, hydrogeochemical and isotope geochemical features of geothermal waters of Salavatlı in the continental rift zone of the Büyük Menderes, western Anatolia, Turkey

Speaker

Erdem BOR

Assessment for geothermal utilization of the Upper Devonian Leduc and Nisku Formation in the Alberta Basin, Canada

Speaker

Mrs Leandra Weydt

Geological controls on upper crustal heat flow for deep geothermal energy

Speaker

Mr Christopher Dalby

Utilization of abandoned hydrocarbon reservoirs for deep geothermal heat storage

Speaker

Kai Stricker

Thermal modelling of magmatic geothermal systems: the role of deep-seated heat sources

Speaker

Mr Gianluca Gola

GIS-based LiDAR-DEM5 lineament analysis in crystalline basement rocks of the central and northern Black Forest, SW-Germany

Speaker

Dr Jens C. Grimmer

Impact of Heat Transfer Unit Distribution Characteristics on the heat extraction from EGS with horizontal wells using multistage fracturing

Speaker

Prof. Lihua Liu

Effect of temperature on physical properties of carbonatic rocks.

Speaker

Giuseppe Mandrone

CDGP, a repository for geothermal data in Alsace

Speaker

Marc Schaming

Constraining caldera structures to understand geothermal fluid migration: insights from analogue modelling, and implications for the Los Humeros Volcanic Complex

Speaker

Dr Daniele Maestrelli

Reactive Reservoir Systems - Crystallization and Filter Processes of Barite in Geothermal Systems

Speaker

Mr Philipp Zuber

Magnetotelluric phase tensor analysis and its significance for tectonic interpretation: Case studies of the Los Humeros and Acoculco geothermal resources, Mexico

Speaker

Dr Sebastian Held

Simulation of temperature logs in high-temperature well

Speaker

Ms Jia Wang

Evolution of hydro-mechanical properties during shearing in an EGS reservoir using a DFN model

Speakers

Mr Dariush Javani, Dr Jean Schmittbuhl

Simulation of temperature and pressure driven fracture deformation

Speaker

Mr Ivar Stefansson

Local earthquake tomography of Los Humeros geothermal field

Speaker

Ms Tania Toledo

GeoLaB - Geothermal laboratory in the crystalline basement

Speaker

Prof. Thomas Kohl

Performance Evaluation and Operation Sustainability of Deep Borehole Heat Exchanger Coupled with Geothermal Heat Pump System**Speaker**

Mr Wanlong Cai

Geothermal Systems Exploration in the Southern Chilean Volcanic Zone by Magnetotelluric Method: a case study at Villarrica Volcano**Speaker**

Maximiliano Pavez

Linear vs. Nonlinear flow laws in sheared and rough self-affine fractures**Speaker**

Mr Robert Egert

Uncertainty Quantification for Basin-Scale Heat Flow Models with a Physics-Based Machine Learning Approach**Speaker**

Prof. Florian Wellmann

Effects of elevated confining pressure and temperature conditions on deeply buried sandstone reservoirs**Speaker**

Mr Alexander C. Monsees

Design and Safety Considerations to Perform Coiled Tubing Operations in Large-Diameter, High-Temperature Geothermal Wells**Speaker**

Mr Ishaan Singh

Global application of Aquifer Thermal Energy Storage (ATES)**Speaker**

Mr Paul Fleuchaus

Optimization of heat extraction from sedimentary reservoirs for CPG electricity generation**Speaker**

Marat Ravirov

Cold reinjection in the Soultz-sous-Forêts reservoir during geothermal exploitation based on 3D hydrothermal modelling**Speaker**

Pauline Rolin

Geothermal brines as mineral resource, new scopes beyond lithium extraction**Speaker**

Prof. Jochen Kolb

Geological structures in the Acoculco geothermal area, Mexico: a background for EGS development**Speaker**

Dr Walter Wheeler

Stabilization of Forced Heat Convection: Applications to Enhanced Geothermal Systems (EGS)

Speaker

Murad ABUAISHA

Petrophysical properties of the Muschelkalk from the Soultz-sous-Forêts geothermal site (France), an important lithostratigraphic unit for geothermal exploitation in the Upper Rhine Graben

Speaker

Dr Michael Heap

Geothermal Power Generated from UK Granites (GWatt)

Speaker

Dr Chris Rochelle

An automated workflow to study parameter sensitivities in a geothermal reservoir

Speaker

Ariel Almendral Vazquez

Tintina fault core analysis for potential geothermal development

Speaker

Mr Bennett Braun

SWIR spectroscopy for the exploration of hydrothermal alteration in crystalline geothermal reservoirs (Alsace, France).

Speaker

Carole Glaas

Field methodologies aimed at geomechanical and geophysical characterization of faults zones in geothermal areas

Speaker

Prof. Giuseppe Mandrone

The United Downs Deep Geothermal Power project, Cornwall, UK

Speaker

Mr Peter Ledingham

The Los Humeros Superhot Geothermal Resource in Mexico: Results from an Extensive Resistivity Survey

Speaker

Ásdís Benediktsdóttir

New Geothermal Project Portfolio in the German part of the Upper Rhine Graben by Deutsche Erdwärme

Speaker

Dr Sebastian Homuth

Forecasting Induced Seismicity for the geothermal UDDGP project - An ongoing experiment

Speaker

Mrs Pia Carstens

6:00 PM