

23-Sep							
Session name	Moderator	from	to	ID	Title	Presented by	
Welcome & Geothermal @ KIT		09:00	09:30				
Assessment of Geothermal Resources	Philippe Calcagno	09:30	09:42	1463	3D Basin modelling of the northern Upper Rhine Graben : insights on geothermal fluid pathways	Bethune, Gillian	
		09:42	09:54	1466	An assessment of geothermal energy potential for power generation in Iran	Seyedrahimi-Niaraq, Mirmahdi	
		09:54	10:06	1469	Impacts of probabilistic geological realizations in a geothermal reservoir using numerical and statistical investigations	Dashti, Ali	
		10:06	10:18	1470	A Heat Demand Map of North-West Europe - its impact on supply areas and identification of potential production areas for deep geothermal energy	Herbst, Eileen	
		10:18	10:30	1475	The permeability of granite deformed in the brittle regime to large strains: Implications for the permeability of fractured geothermal reservoirs	Heap, Michael	
		10:30	10:45		Live Discussion / Q&A timeslot for orals in "Assesment of Geothermal Resources" session		
Break		10:45	11:00				
Constructing Geothermal Wells	Paola Bombara	11:00	11:12	1490	Numerical Modeling to Study the Impact of Pore Characteristics on the Electric Breakdown of Rock for Plasma Pulse Geo Drilling (PPGD)	Ezzat, Mohamed	
Resource Development		11:12	12:00	1462	The value of heat interconnection pipelines in the use of deep geothermal energy	Loewer, Markus	
Energy Conversion Systems		11:24	13:00	1476	Feasibility Study of Monitoring Delft Geothermal Project Using Land Controlled-Source Electromagnetic Method	Eltayieb, Mahmoud	
		11:36	13:45	1468	Determinants of ground source heat pump systems' market acceptance: Empirical findings from Greece	Karytsas, Spyridon	
		11:48	12:00		Live Discussion / Q&A timeslot for orals in "Constructing Geothermal Wells", "Ressource Development" and "Energy Conversion Systems" sessions		
Lunch Break		12:00	13:00				
Keynote Speech		13:00	13:45		HT-ATES, a hot topic for deep research	Martin Blomendal	
Operation of Geothermal Systems	Jean Schmittbuhl	13:45	13:57	1474	Role of asperities on the transition from seismic to aseismic slip using an experimental fault slip system	Shu, Weiwei	
		13:57	14:09	1484	Self-potential and electromagnetic radiation monitoring of hydraulic fracturing experiments at the Äspö hard rock laboratory (Sweden)	Haaf, Nadine	
		14:09	14:21	1491	GeoLaB - Geothermal Laboratory in the Crystalline Basement	Kohl, Thomas	
		14:21	14:30		Live Discussion / Q&A timeslot for orals in "Operation of Geothermal Systems" session		
Break		14:30	14:45				
New geothermal utilization schemes	Thomas Kohl	14:45	14:57	1480	High temperature aquifer thermal energy storage (HT-ATES) in combination with geothermal heat production on the TU Delft campus: feasibility study and next steps	Beernink, Stijn	
		14:57	15:09	1485	First results of the full scale HT-ATES project in a greenhouse area Middenmeer in the Netherlands	Godschalk, Bas	
		15:09	15:21	1497	Transition from hydrocarbon production to geothermal heat storage in the Upper Rhine Graben – the DeepStor project	Schill, Eva	
		15:21	15:33	1481	Enhancing the contribution of closed systems to geothermal energy generation by increasing the ratio of generated power to the total length of wellbores	Esmailpour, Morteza	
		15:33	15:45	1489	Hydro-thermal modeling of geothermal energy extraction from Soultz-sous-Forêts, France using supercritical CO <sub>2</sub>	Singh, Mrityunjay	
		15:45	16:00		Live Discussion / Q&A timeslot for orals in "New geothermal utilization schemes" session		
Break		16:00	16:15				
Poster session		16:15	17:00		Poster Numbers: 1472, 1473, 1498, 1483, 1500		
End of the day							

24-Sep							
Session name		from	to	ID	Title		Presented by
Keynote Speech		09:00	09:45		Recent case studies and advances of the magnetotelluric method in geothermal exploration		Friedemann Samrock
Exploration of Geothermal Reservoirs	Alexandra Kushnir	09:45	09:57	1460	Insights from surface analogues of the Odenwald into the structural architecture of crystalline units in the Northern Upper Rhine Graben		Bossennec, Claire
		09:57	10:09	1461	Structural and Geophysical Characterisation of the Crystalline Basement in the Northern Upper Rhine Graben		Frey, Matthis
		10:09	10:21	1488	Exploration of the geologic and hydrogeologic conditions for a medium deep borehole high-temperature thermal energy storage system at TU Darmstadt, Germany		Seib, Lukas
		10:21	10:33	1494	Gravity survey in delineating geologic features of interest for deep geothermal use at Campus North of KIT.		Pavez, Maximiliano
		10:33	10:45	1496	Transport mechanisms of hydrothermal convection in faulted sandstone reservoir ----- Implications for kilometer-scale thermal anomalies in Piesberg quarry		Yan, Guoqiang
		10:45	11:00		Live Discussion / Q&A timeslot for orals in "Exploration of Geothermal Reservoirs" session		
Break		11:00	11:15				
Poster session		11:15	12:00		Poster Numbers: 1459, 1495, 1477, 1492, 1499, 1501		
Lunch Break		12:00	13:00				
Keynote Speech		13:00	13:45		Geothermal reservoir scaling: What can microanalysis tell us?		David McNamara
Sustainability, Environment and Regulatory Framework	Fabio Iannone	13:45	13:57	1449	The INSIDE project: Investigating the impact of geothermal exploitation in the Munich area – The induced seismicity perspective.		Azzola, Jérôme
		13:57	14:09	1465	Latest results from the hybrid micro-gravity monitoring of the Theistareykir geothermal field (North Iceland)		Portier, Nolwenn
		14:09	14:21	1467	Levelized costs and economic impacts of geothermal district heating networks: a decision tree analysis		Pratiwi, Astu Sam
		14:21	14:33	1493	Induced micro-seismicity monitoring in urban context using seismic arrays		Fiori, Rémi
		14:33	14:45		Live Discussion / Q&A timeslot for orals in "Sustainability, Environment and Regulatory Framework" session		
Break		14:45	15:00		Break		
Computing and Data Management, Machine Learning		15:00	15:12	1478	Pore-scale modeling of acid etching in a carbonate fracture		Lu, Renchao
		15:12	15:24	1479	Inversion of Borehole Temperature Data Using Surrogate Model		Wang, Jia
		15:24	15:36	1482	Effect of the fracture aperture distribution on the heat extraction performance from the fractured geothermal systems		Mahmoodpour, Saeed
		15:36	15:48	1486	Simulation of flow through a single fracture calibrated with air permeameter measurements		Fuchs, Marco
		15:48	16:00	1487	CDGP- a gateway to geothermal data in Alsace		Schaming, Marc
		16:00	16:15		Live Discussion / Q&A timeslot for orals in "Computing and Data Management, Machine Learning" session		
Closing Remarks & Prize		16:15	16:30		Closing Remarks & Prize		
End of the Day							

**Posters**

<b>Session name</b>	<b>ID</b>	<b>Title</b>	<b>Presented by</b>
Assessment of Geothermal Resources	1472	Geothermal potential and opportunities in Vietnam	Cao, Viet
Assessment of Geothermal Resources	1498	Large hydraulic diffusivity of a single fault	Deng, Qinglin
Resource Development	1500	Hydro-mechanical parameters of Cornubian and Odenwald reservoir granitoids with focus on fracture stiffness testing	Muhl, Lena
Energy Conversion Systems	1473	Parametric optimization and comparative study of an organic Rankine cycle power plant for two-phase geothermal sources	Chen, Chaofan
Operation of Geothermal Systems	1483	Seismic Monitoring of DeepStor: Using low-cost sensors for ambient noise correlation methods and Citizen Science	Käufel, Johannes
New geothermal utilization schemes	1459	Artificial neural networks acting as geothermometer for reservoir temperature estimation	Vollmer, Mark
New geothermal utilization schemes	1501	Assessment of High Temperature Aquifer Storage Potential in Depleted Oil-Reservoirs from the South German Molasse Basin	Steiner, Ulrich
Exploration of Geothermal Reservoirs	1477	Design and application of messenger nanoparticle tracers for multi-parameter reservoir exploration	Spitzmüller, Laura
Exploration of Geothermal Reservoirs	1492	Effect of microscopic and mineralogical changes on thermal properties of Indian sandstone: An application for geothermal energy	Tripathi, Adarsh
Sustainability, Environment and Regulatory Framework	1499	Energy analysis of microseismicity induced by fluid-injection in the Soultz-sous-Forêts geothermal reservoir	Drif, Kamel
Computing and Data Management, Machine Learning	1495	A Gaussian process regression model to determine solubility of calcium sulfate in aqueous fluids	Sadighi, Ali