

EUROPEAN GEOTHERMAL WORKSHOP 2024

November 13th – University, Stavanger University, Kjølvs Egeland building, room KE E-102

8:30-9:00	Registration & coffee	
9:00-9:10	Opening Address Mohsen Assadi	
09:10	David Bruhn, EERA	Status of Geothermal Research and Development in Europe
09:30	Harcouët-Menou (31)	Sustainable and affordable URban Geothermal Exploration Novel Technologies and workflows, the Horizon Europe URGENT project
09:45	Skaug Fadnes (4)	Developing the Geothermal Energy Plant at University of Stavanger - From Concept to Operation
10:00	Korevaar (29)	GeoLoop – a depth-dependent closed-loop ground-source heat pump performance model
10:15-10:30	Coffee break Jean Schmittbuhl	
10:30	Rudolph (21)	GeoLaB – an URL for Geothermal Energy is on its way
10:45	Meier (22)	PUSH-IT – high-temperature underground heat storage in urban areas
11:00	Wheeler (45)	The LEAP-RE Geothermal Village project: Geoscience perspective on 4 sites in the EARS
11:15	Iannone (35)	Energy access in rural communities in East Africa: socio-economic analysis and technical perspectives from the Geothermal Village project
11:30	Jüstel (14)	New evidence from seismic data on the effect of Late Cretaceous deformation on geothermal systems in the Münsterland Cretaceous Basin, NW Germany
11:45	Mandrone (28)	An Outlook on Geothermal Renewable Energy Communities
12:00-13:00	Lunch Inga Berre	
13:00	Vestavik (19)	HOCLOOP project – Verification test at Ullrigg in Stavanger
13:15	Kalantar (39)	Development of a Novel Borehole Heat Exchanger for the Semi Deep Geothermal Energy System
13:30	Losi (30)	Comparison of ideal work between CO ₂ and H ₂ O as working fluids in a Coaxial Borehole Heat Exchanger (CBHE)
13:45	Gaucher (26)	Monitoring HT-ATES using FWI: a feasibility study
14:00	Schmittbuhl (13)	The 2019-2022 sequence of induced seismicity below the city of Strasbourg, France : insights from large-scale reservoir modeling
14:15	Leontidis (11)	Controlling the energy production from a deep coaxial closed well heat exchanger
14:30-14:45	Coffee break Romain Chassagne	
14:45	Uzelli (41)	Innovative Modeling Approaches for High-Temperature, High-Pressure Geothermal Systems: A Case Study of the Menderes Massif
15:00	Halldorsdottir (44)	Modelling of the Hjalteyri low temperature geothermal system in N-Iceland
15:15	Gonzalez (32)	Is geothermal ready for digitalization? The potential and challenges for applying AI and other computing technologies in the industry



15:30	Stefansson (8)	Multiphysics simulation of fractured geothermal systems using PorePy
15:45	Deirdre Clark (48)	Monitoring geochemical changes of low temperature geothermal systems in northern Iceland
16:00	Pogacnik (15)	A Risk Management Toolbox for Minimizing Induced Seismicity and Maximizing Production – HEU URGENT Update
16:15- 16:30	Closing remarks MA & DB	
18:30- 21:00	Conference Diner	

Venue for Conference dinner (for registered participants only):

House of Concerts/ Konserthus
Spiseriet
Sandvigå 1, 4007 Stavanger

November 14th – University, Stavanger University, Kjølvs Egeland building, room KE E-102

8:30-9:00	Registration & coffee Jan Diederik van Wees	
09:00	Akin (18)	Open-Source Techno-Economic Modeling for ATES, BTES, and MTES Systems
09:15	Miecznik (37)	Elimination of the Thermal Lift Effect from Pumping Observations in Deep Geothermal Wells
09:30	Schifflechner (16)	Reversible high-temperature heat pumps / ORC: increasing the plant utilization and flexibility of geothermal systems
09:45	Nermoen (47)	Ground source heat in Norway – on the value gained by firm, renewable, carbon neutral, local and areal effective thermal resources by the Geothermal Energy Association of Norway
10:00	Bitlis (12)	The Coaxial Reversible Medium-Deep Geothermal Heat Well Technology: An Innovative Approach to Sustainable Heating
10:15-10:30	Coffee break Virginie Harcouët-Menou	
10:30	Koohbor (17)	Uncertainty analysis of coupled phase transport and heat transfer within explicitly fractured thermal aquifers
10:45	Ove Heggland (50)	Energibrønner for gartneri på Rennesøy
11:00	Shoeibi Omrani (7)	Monitoring the performance of geothermal production facilities under uncertainties
11:15	Leontidis (27)	Mineral scaling risk prediction in geothermal wells by integrating a geochemical tool into a well flow simulator: Application to production wells in different magmatic contexts
11:30	Van Wees (42)	Geothermal Atlas for Africa: characterisation of the geothermal resources in Africa and maps for sustainable exploitation
11:45	Ungar (38)	On the effect of non-uniform permeability on the heat transfer between a wellbore and the surrounding rock formations
12:00-13:00	Lunch Paola Bombarda	
13:00	Esneu (36)	Clogging of colloids during fluid reinjection in porous media: implications for injectivity under geothermal conditions
13:15	Maystrenko (6)	Norway's deep geothermal potential as indicated by borehole data
13:30	Buness (10)	Influence of Fracture Roughness on Fluid Flow
13:45	Abecia (20)	Mitigation of Pb scale deposits in geothermal installations by Pb sorption onto natural clinoptilolite: the effect of acetate and Cl ions
14:00	Maver (3)	Versatile applications operating a closed loop horizontal geothermal solution
14:15	Pierzchała (34)	A simple and user-friendly wellbore flow calculator
14:30-14:45	Coffee break Bastian Rudolph	
14:45	Gulergul (5)	Assessment of Geothermal Resources for Agricultural Applications: Enhancing Regional Development Through Geothermal Heated Greenhouses
15:00	Hambley (23)	Practical considerations for geothermal project developers planning engagement with local communities



15:15	Halldorsdottir (43)	Lumped parameter modelling of pressure response data with Lumpfit++
15:30	Midttømme (33)	Monitoring Geoenergy-Related Subsidence and Ground Movements Using InSAR Technology
15:45	Shah (24)	Mapping Geothermal Heat Flow in the Barents Sea
16:00	Mandrone (46)	The EU Saphea project- Accelerating geothermal energy integration in heating and cooling networks across Europe
16:15	Qiao (49)	Investigating the impact of wellbore lateral heat transfer on the performance of high-temperature aquifer thermal energy storage system by the coupling of wellbore and reservoir simulators
16:30- 16:45	Closing remarks David Bruhn	

Friday 15 November, 09:30-11:00 Visit to the Energy Central and Ullrigg