

## Tuesday, 3 September 2019

11:15 Registration and Coffee

12:00 Welcome Address (Andreas Mortensen, EPFL)

**12:05 Session 1: Introduction**

**Chair: François Avellan, EPFL**

12:05 Energy Research at EPFL (Mario Paolone, EPFL)

12:25 tbd (Wolfgang Elsenbast, SFOE)

12:45 Status of the SCCER-SoE (Domenico Giardini, ETHZ)

13:05 Lunch and Poster Session

**15:00 Session 2: Highlights from WP 4 Future Supply of Energy**

**Chair: Peter Burgherr, PSI**

15:00 Accident Risk Assessment for Hydropower and Deep Geothermal Energy Systems (Matteo Spada, PSI)

15:15 Induced Seismicity Risk: its Governance Involving Scientists, Authorities and the Public (Arnaud Mignan, ETHZ and Olivier Ejderyan, ETHZ)

15:40 The Contribution of the Swiss Mountains to the Energy Turnaround with New Renewables (Michael Lehning, EPFL)

15:55 Missing Perspectives in Swiss Electricity Supply Models and Scenarios (Evelina Trutnevyte, UNIGE)

16:10 Implications of European Climate and Energy Policy for the Swiss Power Sector (Anthony Patt, ETHZ)

16:25 Scenarios for 2050: the Role of Hydropower and Geoenergies (Gianfranco Guidati, ETHZ)

16:40 Poster Pitches

17:00 Aperitif and Dinner

## Wednesday, 4 September 2019

8:15	Registration and Coffee	
9:00	<b>Session 3a: Highlights from Geo-Energy Research</b> <b>Chairs: Rolf Krause, USI, Lyesse Laloui, EPFL and Andrea Moscariello, UNIGE</b>	<b>Session 3b: Highlights from Hydropower Research</b> <b>Chair: Robert Boes, ETHZ</b>
9:00	Numerical Simulation and Uncertainty Quantification for Reservoir Engineering (Rolf Krause, USI)	9:00 Four Years of Sediment Transport Measurements in the Albula River Upstreams of the Hydropower Dam Solis (Dieter Rickenmann, WSL)
9:20	Scenario Modeling for High Temperature Underground Heat Storage (Thomas Driesner, ETHZ)	9:15 Change in Run-of-river Power Production Calculated with the new Climate Change Scenarios CH2018 (Tobias Wechsler, WSL)
9:40	High Performance Computing based Assessment of Hydraulic Stimulation (Maria Nestola, USI)	9:30 Optimizing Desanding Facilities to Increase Scheme Efficiency (Robert Boes, ETHZ)
10:00	Hydromechanical Coupling in Heterogeneous and Fractured Media (Marco Favino, USI)	9:45 Dam Heightening Options in Switzerland to Increase Hydro Storage Capacity and Winter Production (Michelle Müller-Hagmann, ETHZ, tbc)
10:20	Coffee and Poster Session	10:00 Reach-scale Effects of Small Hydropower Plants (Katharina Lange, EAWAG)
10:40	Using a THMC Simulator to Examine the Effects of Porosity Reduction on Pore Pressure Development in Geothermal Reservoirs (Batoul Gisler, UniNe)	10:20 Coffee and Poster Session
10:50	Corrosion Analysis of Deep Geothermal Fluids in Switzerland (Ana Vallejo Vitaller, ETHZ)	10:40 Fish Protection and Downstream Migration at Low-head Hydropower Plants (Julian Meister, ETHZ)
11:00	The Gasometer-based CO <sub>2</sub> Plume Geothermal Energy Storage System (Benjamin Adams, ETHZ)	11:00 Climate Change Effects on Flood Risk at Dam Sites (Nadav Peleg, ETHZ)
11:15	Geophysical Characterization of Fractured Rocks – a Rock Physics Perspective (Eva Gasparini, Uni Leoben)	11:15 Balancing Hydropower Production and Environment through Flexible Operation (Paolo Burlando, ETHZ, tbc)
11:30	Revised Potential of the Muschelkalk Formation (Central Swiss Plateau) for CO <sub>2</sub> Storage and Geothermal Energy (Larryn Diamond, UniBe)	11:30 SmallFLEX – Demonstrator for Flexible Small Hydropower Plant (Cécile Münch-Alligné, HES-SO)
11:45	Bedretto Underground Laboratory for Geoenergies: Ongoing Activities and Future Opportunities (Marian Hertrich, ETHZ)	11:45 Multipurpose Water Reservoirs: a Necessity for Future Irrigation? Case Study of Val de Bagnes (Jean Decaix, HES-SO and Jeremy Schmid, HES-SO)
12:00	Lunch and Poster Session	
13:50	Poster Award	
	<b>Session 4a *: Knowledge and Technology Transfer for Geoenergies</b> <b>Chair: Gianfranco Guidati, ETHZ</b>	<b>Session 4b *: Knowledge and Technology Transfer for Hydropower</b> <b>Chair: Pedro Manso, EPFL</b>
14:00	The programme for this session will follow soon.	14:00 The programme for this session will follow soon.
17:00	Closure (tbd)	