

DEEP Seminars 2022

Dates	Topic	Presenter
February 10, 2022	Machine Learning for EGS projects	
	Earthquakes, fibre-optics, and a zebra: self-supervised learning methods for Distributed Acoustic Sensing	Martijn van den Ende (UCA/3iA)
	"Machine Learning models performance evaluation using FORGE pilot stimulation dataset"	Peidong Shi (ETH)
March 10, 2022	Lab measurements	
	Partitioning of seismic and aseismic deformation during the failure of granitic rock in the laboratory	Paul Selvadurai (ETH)
	The source scaling and seismic productivity of slow slip transients	Luigi Passarelli (ETH)
April 14, 2022	Risk Management/communication	
	How Beliefs about the Underground, Tampering with Nature and Seismic Risk Influence Perceptions of Enhanced Geothermal Systems (EGS): A Cross-National Study	Julia Cousse (UNIGE)
	GEOBEST2020+: A program and workflow for handling induced seismicity risk associated with deep geothermal energy projects in Switzerland	Veronica Ferreira Antunes (ETH)
May 12, 2022	Earthquake detection and location	
	Array processing methods to detect and locate induced microseismic events in an urban area	Remi Fiori (EOST)
	A semblance based microseismic event detector for DAS data	Juan Porras (UNIP)I
June 9, 2022	Faults detection, imaging and source processes	Nicolas Celli (DIAS)
		Claudia Finger (IEG)
July 13, 2022	DAS/ DSS applications	Katinka Tuinstra (ETH)

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August 11, 2022	No seminar (Summer break)	
September 8, 2022	No seminar (Annual Meeting)	
October 13, 2022	Reservoir Imaging (ambient noise techniques, VSP imaging)	tba
November 10, 2022	Seismicity Forecast models	tba
December 8, 2022	Datasets (various geothermal sites: past, ongoing, future)	tba

The seminars will resume on 12 January 2023.