

Physics of Volcanoes 2020

Tuesday, 11 February 2020

Subsurface & Surface Processes: SSP one - H2 (09:10 - 10:40)

-Conveners: Thor Hansteen

time	[id] title	presenter
09:10	[20] Seismological and geophysical signatures of the deep crustal magma systems of volcanic fields beneath the Eifel, Germany	Prof. DAHM, Torsten
09:28	[4] Advances in seismic tomographic imaging of magmatic systems	DE SIENA, Luca
09:46	[8] Imaging active magmatic systems at Oldoinyo Lengai volcano (Tanzania) via earthquake distribution and seismic scattering and absorption mapping	Dr REISS, Miriam Christina
10:04	[9] Virtual Transient Electromagnetics at Stromboli Volcano, Italy	SCHNEIDER, Carolin
10:22	[29] Analytical and numerical optimization of gravimetric networks: case study Mount Etna, Italy	Dr NIKKHOO, Mehdi

Wednesday, 12 February 2020

Subsurface & Surface Processes: SSP two - H2 (09:00 - 10:30)

-Conveners: Jost v.d. Lieth; Corrado Cimarelli

time	[id] title	presenter
09:00	[13] From Yellowstone to Australia: Identifying mechanisms for generating low- $\delta^{18}O$ silicic magmas on Earth	Dr TROCH, Juliana
09:18	[45] The role of a pre-eruptive fluid phase for the volatile budget and atmospheric influence of large explosive eruptions in Central America	HANSTEEN, Thor
09:36	[46] Multi-spectral analyses (LIBS, Raman and VIS/NIR) of planetary analog material on volcanic deposits (Vulcano Island, Italy)	ORTENZI, Gianluigi
09:54	[47] Bubble nucleation and growth in H ₂ O-CO ₂ bearing, ultrapotassic melts	SCHANOFSKI, Maximilian
10:12	[35] MORB Rheology: Experimental Insights on the Mid-Atlantic Ridge	SOLDATI, Arianna

Subsurface & Surface Processes: SSP three - H2 (11:30 - 13:00)

-Conveners: Jörg Hasenclever; Boris J.P. Kaus

time	[id] title	presenter
11:30	[36] Numerical investigation of multi-phase flow in saline submarine hydrothermal systems	HASENCLEVER, Jörg
11:48	[17] 3D Geodynamic Models of the Present-Day Altiplano-Puna Magmatic System	SPANG, Arne
12:06	[19] CFD modeling of ascending strombolian gas slugs through a constricted volcanic conduit considering a non-linear rheology	Mr STEINAU, Nils
12:24	[24] Critical fluid volumes to start self-sustaining fracture ascent	Mr DAVIS, Timothy
12:42	[31] Forecasting vent location by probabilistic inversion of volcanic edifice stresses	Dr RIVALTA, Eleonora