

Tuesday 11 February

09:10

Subsurface & Surface Processes: SSP one

Session | Location: Geomatikum, H2, Bundesstraße 55, 20146 Hamburg | Convener: Dr Thor Hansteen

09:10-09:28

Seismological and geophysical signatures of the deep crustal magma systems of volcanic fields beneath the Eifel, Germany

Speaker

Prof. Torsten Dahm

09:28-09:46 Advances in seismic tomographic imaging of magmatic systems

Speaker

Luca De Siena

09:46-10:04

Imaging active magmatic systems at Oldoinyo Lengai volcano (Tanzania) via earthquake distribution and seismic scattering and absorption mapping

Dr Miriam Christina Reiss

10:04-10:22 Virtual Transient Electromagnetics at Stromboli Volcano, Italy

Speaker

Carolin Schneider

10:22-10:40

Analytical and numerical optimization of gravimetric networks: case study Mount Etna, Italy

Speaker

Dr Mehdi Nikkhoo

10:40

Wednesday 12 February

09:00

Subsurface & Surface Processes: SSP two

Session | Location: Geomatikum, H2, Bundesstraße 55, 20146 Hamburg | Conveners: Dr Corrado Cimarelli, Mr Jost v.d. Lieth

09:00-09:18

From Yellowstone to Australia: Identifying mechanisms for generating low-δ180 silicic magmas on Earth

Speaker

Dr Juliana Troch

09:18-09:36

The role of a pre-eruptive fluid phase for the volatile budget and atmospheric influence of large explosive eruptions in Central America

Speaker

Thor Hansteen

09:36-09:54

Multi-spectral analyses (LIBS, Raman and VIS/NIR) of planetary analog material on volcanic deposits (Vulcano Island, Italy)

Speaker

Gianluigi Ortenzi

09:54-10:12

Bubble nucleation and growth in H2O-CO2 bearing, ultrapotassic melts

Maximilian Schanofski

10:12-10:30 MORB Rheology: Experimental Insights on the Mid-Atlantic Ridge

Speaker

Arianna Soldati

10:30 11:30

Subsurface & Surface Processes: SSP three

Session | Location: Geomatikum, H2, Bundesstraße 55, 20146 Hamburg | Conveners: Prof. Boris J.P. Kaus, Jörg Hasenclever

11:30-11:48

Numerical investigation of multi-phase flow in saline submarine hydrothermal systems

Speaker

Jörg Hasenclever

11:48-12:06

3D Geodynamic Models of the Present-Day Altiplano-Puna Magmatic System

Speaker

Arne Spang

12:06-12:24

CFD modeling of ascending strombolian gas slugs through a constricted volcanic conduit considering a non-linear rheology

Speaker

Mr Nils Steinau

12:24-12:42 Critical fluid volumes to start self-sustaining fracture ascent

Speaker

Mr Timothy Davis

12:42-13:00

Forcasting vent location by probabilistic inversion of volcanic edifice stresses

Speaker

Dr Eleonora Rivalta

13:00