

## EXCITE Conference Granada

Utrecht, 7-10 November 2023

**Venue:** Faculty of Sciences, University of Granada, Avenida Fuentenueva s/n, Granada, Spain

### Agenda

#### Tuesday, 07.11.23

20:00 Icebreaker at Lemon Rock Granada

#### Wednesday, 08.11.23

9:00 Welcome

9:15 Updates on EXCITE and final reporting

9:45 EXCITE<sup>2</sup>: Where are we and what do we want to achieve?

10:30 Coffee break

11:00 Highlights of EXCITE

11:00 Jose Godinho (HZDR) Best practice recommendations for EXCITE workflows

11:15 Peter Moonen (UPPA) Applications of spectral tomography in earth materials

11:30 Highlights of EXCITE users

11:30 Asim Siddique (TU Bergakademie Freiberg) Correlative Multi-scale characterization of slag particles

11:45 Margherita Martini (INRS) Dual-Energy CT: the best approach to identify geological samples

12:00 Coffee break

12:15 David Encalada (Universitat Politècnica de Catalunya) Quantifying Shrinkage and Crack Formation in Compacted Soils: Insights from CT and MicroCT Scanning

12:30 Janne Yliharju (University of Jyväskylä) Monitoring water transport in bentonite clay using X-ray tomographic methods

12:45 Paulina Guzmán García Lascurain (Politecnico di Milano) Optimization of Eco-Sustainable Form-Stable Phase Change Material to be incorporated in lime-Based mortars

13:00 Gino Gonzalez (University of Bari) Stratigraphy of the Neapolitan Yellow Tuff, Campi Flegrei, Italy

13:15 Lunch (free time)

15:00 Highlights of EXCITE users

15:00 Helen King (Utrecht University) The curious case of the self-cannibalising mineral ikaite

15:15 Roberto Rizzo (University of Florence, Italy) CO<sub>2</sub>-rich fluid interaction with serpentinized ultramafic rocks in fault zones: the example of the Cavo-Norsi Fault zone (Island of Elba, Italy)

15:30 Lisa Eberhard (Utrecht University) Brucite vein network dehydration allows focused fluid flow

15:45 Giovanni Toffol (University of Padova) Application of HR-EBSD to rocks recording seismic faulting.

16:00 Poster session

18:00 End

#### Thursday, 09.11.23



#	Presenter	Affiliation	Title
1	Florian Buyse	Ghent University	Spectral Computed Tomography of Ores
2	Pascale Senechal	UPPA	tbd
3	Abdullah Awdal	University of Kurdistan Hewler	Deformation bands and their impact on fluid flow in subsurface reservoirs
4	Aishi Debnath	Indian Institute of Technology Kharagpur	Unraveling the tectonics of Singhbhum Craton-Rengali Province contact—insights from kinematic and vorticity analysis
5	Alessandro Petroccia	University of Turin	2D vs. 3D rock-forming minerals relations and distribution in a chloritoid–garnet-bearing micaschist from the Dora Maira Massif (Western Alps)
6	Francesco Santoro	University of Granada	In-situ time lapse tomography on micro-pillar formation
7	Manon Bickert	Geo-Ocean	High temperature fluid-assisted deformation in fresh peridotites from the Southwest Indian Ridge (43-46°E)
8	Sebastián Dicaro	Universidad Nacional de Rio Negro	Ore chemistry from San Pedro epithermal veins, Andacollo District, Argentina
9	Simge Kaya	Hacettepe University	Petrological Investigation of Erciyes Stratovolcano Holocene Pyroclastics: Karagüllü, Perikartın and Dikkartın
10	Soham Dey	Indian Institute of Technology Kharagpur	Understanding the twin boundary distribution in high-angle boundary networks of quartz rich rocks
11	Valentina Villanueva	Universidad de Chile	Melt inclusions in olivine crystals: Major element composition of monogenetic volcanic centres, Paricutin and El Astillero volcanoes, Michoacán Guanajuato Volcanic Field (Mexico)
12	William Hyde	University of Copenhagen	Micro- and nano-scale characterisation and isotopic analysis of shocked monazite from the Hiawatha impact structure, Greenland
13	Lucia Mancini	ZAG - Slovenian National Building and Civil Engineering Institute	Study of the morphological properties and mechanical behaviour of high-strength concrete affected by Alkali Silica Reaction (ASR) after exposure to different environmental and service conditions
14	Joe Stickland	NTNU	Exploration of advanced complimentary imaging probes