



Day 2 – Thursday June 15th 2023

09:00-09:10	<i>Welcome and coffee</i>
Part 3	Fracture and Friction Chair: Torstein Sæter
09:15-09:45	<i>Keynote lecture</i> Zoe Mildon (University of Plymouth) <i>Physical processes affecting interactions of earthquakes and active faults</i>
09:55-10:15	Eric Larose (University Grenoble Alpes, France) <i>Role of fluids temperature and climate change in the mechanical behavior of rocky glaciers: insights from ambient seismic vibrations</i>
10:25-10:35	<i>Coffee break</i>
10:35-10:55	Karianne Lilleøren (University of Oslo, Norway) <i>Rock glaciers in Norway</i>
11:05-11:25	Coline Bouchayer (University of Oslo, Norway) <i>Multi-scale variations of hydro-mechanical conditions at the base of a surge-type glacier</i>
11:35-11:45	<i>Coffee break</i>
11:45-12:05	Elena Spagnuolo (Istituto Nazionale di Geofisica e Vulcanologia, Italy) <i>Weak or strong? Slip behavior, stress and strength of the incoming sediments at the Sumatra subduction zone</i>
12:15-13:00	Lunch break
13:00-13:20	Renaud Toussaint (University of Strasbourg, France) <i>How to trigger seismicity during fluid injection in wells, and how to avoid it</i>
13:30-13:50	Marthe Guren (University of Oslo, Norway) <i>Nanoscale fracturing of silica and basaltic glass</i>
14:00-14:10	<i>Coffee break</i>
Part 4	Fluid-solid interactions Chair: Coline Bouchayer
14:10-14:40	<i>Keynote lecture</i> Christine Putnis (University of Münster, Germany) <i>Understanding mechanisms at the nanoscale: What can we learn about larger-scale Earth processes?</i>
14:50-15:10	Anna Rogowitz (University of Vienna, Austria) <i>Interplay of metamorphism and deformation mechanisms -Implications on transient rock behavior</i>
15:20-15:40	Stephen Michalchuk (University of Oslo, Norway) <i>Dynamic evolution of porosity in lower crustal faults during the earthquake cycle</i>
15:50-16:00	<i>Coffee break</i>
16:00-16:20	Håkon Austrheim (University of Oslo, Norway) <i>Extreme enrichment of Arsenic and Antimony in altered peridotite; mechanism and consequences.</i>
16:30-16:50	Torstein Sæter (University of Oslo, Norway) <i>Elastohydrodynamical and complex fluid models inspired by shallow geological formations</i>
17:00-17:10	<i>Concluding remarks</i> François Renard (University of Oslo, Norway)
17:10-18:00	<i>Open discussion</i>
18:30	<i>End of day 2</i>