

# Sydneshaugen (2.etg/1st floor)

## Mandag 7. januar / Monday January 9<sup>th</sup>

Time	<b>T6 Berggrunnsgeologi og geodynamikk / Bedrock Geology and geodynamics</b>	
	<i>Chair: Trond Slagstad, NGU</i>	
	Title	Authors
12:40	The dyke swarm in the Rein fjord Ultramafic Complex: a window in to the terminal stages forming the Seiland Igneous Province, N. Norway	<u>Orvik, A.A.</u> , Sørensen, B.E., Larsen, R.B., Slagstad, T.
13:00	What is the relationship between the Rödingsfjellet complex and the Upper Köli nappes?	<u>Saalmann, K.</u> , Bjerkgård, T., Sandstad, J.S., Lutro, O., Slagstad, T.
13:20	The Støren Group of the Trondheim Nappe Complex revisited: rift-related early/middle Ordovician volcanism and turbidite sedimentation at the onset of westward subduction?	<u>Gasser, D.</u> , Grenne, T., Augland, L.E., Corfu, F.
13:40	The origin of Th-enriched volcanic rocks in Oppdal, central Norwegian Caledonides – implications for the evolution of Ordovician arc magmatism	<u>Dalslåen, B.</u> , Gasser, D., Grenne, T., Augland, L.E., Corfu, F.
14:00	The Feragen Ultramafic Body, Central Norway: a window into oceanic mantle processes	<u>Pryadunenko, A.</u> , Nilsson, L.P., Larsen, R.B.
14:20	Shearing, folding and retrogression during exhumation of the southernmost culmination of the Western Gneiss Region, Gulen, SW Norway	<u>Wiest, J.D.</u> , Jacobs, J., Fossen, H., Osmundsen, P.T.
14:40		
15:00	Coffee break	
	<b>T6 Berggrunnsgeologi og geodynamikk / Bedrock Geology and geodynamics</b>	
	<i>Chair: Kerstin Saalmann, NGU</i>	
15:20	Tectonomagmatic Evolution of the Sveconorwegian Orogen Recorded in the Chemical and Isotopic Composition of 1070 – 920 Ma Granites	<u>Granseth, A.U.</u> , Slagstad, T., Coint, N., Roberts, N., Røhr, T., Sørensen, B.E.
15:40	Ultrahigh-temperature metamorphic rocks in Rogaland, SW Norway exposed	<u>Slagstad, T.</u> , Roberts, N.M.W., Ganerød, M., Henderson, I.H.C.
16:00	Brittle Deformation in Central Telemark, South Norway, unravelled by Remote Sensing, Field Structural Analysis and Magnetic Modelling	<u>Gunleiksrud, I.H.</u> , Torgersen, E., Redfield, T., Brønner, M.
16:20	High precision dating of the Devonian Hoy volcanics, Orkney, northern North Sea, and its implications.	<u>Svebo, J.R.</u> , Lundmark, A.M., Augland, L.E.
16:40	Structural Evolution of the Eastern Elba Nappe Stack, innermost Northern Apennines, Central Italy	<u>Ryan, E.J.</u> , Viola, G., Sørensen, B.E.
17:00	United plates of Dronning Maud Land – East Antarctica: new insights by integrating geology & geophysics	<u>Jacobs, J.</u> , Läufer, A., Ruppel, A., Elvevold, S., Eagles, G., Jokat, W., Elburg, M.A.
17:20	Orogenic evolution of the Grenville-age Maud Belt (East Antarctica) during Rodinia assembly: New insights from zircon U-Pb geochronology and Hf-O isotope geochemistry	<u>Wang, C.C.</u> , Jacobs, J., Elburg, M.
17:40	End of day	

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## Tirsdag 8. januar / Tuesday January 8<sup>th</sup>

Den norske fjellrekkens opprinnelse		
<i>Chair: Thorbjørn Kaland, UiB</i>		
Time	Title	Authors
08:40	<b>Key note: On the origin and evolution of topography in Norway</b>	<u>Huismans, R.S.</u>
09:00		
09:20	<b>Key note: Mountains of southernmost Norway: uplifted Miocene peneplains and re-exposed Mesozoic surfaces</b>	<u>Japsen, P.</u>
09:40		
10:00	An early Miocene elevation phase of the Scandinavian mountains.	<u>Rasmusen, E.S.</u>
10:20	Lunch	
Den norske fjellrekkens opprinnelse		
<i>Chair: Thorbjørn Kaland, UiB</i>		
10:40	Integration is the Key to Understanding Scandes Mountain Building	<u>Martinsen, O.</u>
11:00	New mapping of the Palaeic Relief in southern Norway	<u>Bonow, J.M.</u>
11:20	Norwegian viddas (high-level mountain plateaus) were not produced by the "glacial buzz-saw"	<u>Chalmers, J.A.</u>
11:40		-
12:00		
12:20	Lunsj	
T6 Berggrunnsgeologi og geodynamikk / Bedrock Geology and geodynamics		
<i>Chair: Deta Gasser, HVL</i>		
15:40	Hyperextension in magma-poor and magma-rich domains along the pre-Caledonian passive margin of Baltica	<u>Andersen, T.B.</u> , Jakob, J., Kjøll, H-J., Quintela, O., Corfu, F., Torsvik, T.H., Tegner, C., Labrousse, L., Mohn, G.
16:00	Indication for pre-Scandian deformation, metamorphism, and magmatism in the Neoproterozoic metasediments of the Hummelfjell Group: U-Pb zircon ages from the Tronfjell Gabbro and related mafic intrusives, Central Scandinavian Caledonides	<u>Jakob, J.</u> , Corfu, F., Andersen, T.B.
16:20	Dyke emplacement mechanisms across the brittle-ductile transition	<u>Kjøll, H.J.</u> , Galland, O., Labrousse, L., Andersen, T.
16:40	Serpentinite-bearing metasedimentary complex near Lesja and relationship with the hyperextended pre-Caledonian margin of Baltica	<u>Quintela, O.</u> , Jakob, J., Andersen, T.
17:00	How are the Alpine ophiolites different from the Caledonian ophiolitic mélanges?	<u>Mohn, G.</u> , Jakob, J., Andersen, T.B.
17:20	End of day	

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## Onsdag 9. januar / Wednesday January 9<sup>th</sup>

<b>T6 Berggrunnsgeologi og geodynamikk / Bedrock Geology and geodynamics</b>		
<i>Chair: Bjørn Eske Sørensen, NTNU</i>		
Time	Title	Authors
08:40	Towards a modern 1:250 000 national bedrock map database	<u>Torgersen, E.</u> , Lutro, O., Solli, A., Gasser, D., Svendby, K., Bingen, B., Pettersen, E., Arntsen, A., Coint, N., Nordahl, B.
09:00	Illuminating geologic processes with laser-ablation split-stream ("LASS")-ICP-MS	<u>Hagen-Peter, G.</u>
09:20	Glacial erosion estimates for the Dronning Maud Land Mountains, East Antarctica, since Eocene-Oligocene times, using low-temperature thermochronological modelling	Sirevaag, H., <u>Jacobs, J.</u> , Ksienzyk, A.
09:40	Crustal structure across the southwestern Barents Sea: Implications for Caledonian- and basin trends	<u>Aarseth, I.</u> , Mjelde, R., Breivik, A.J., Minakov, A., Eide, C.H., Faleide, J.I., Flueh, E., Huismans, R.S.
10:00	Igneous seismic geomorphology of Paleogene basalts in the West of Shetland, Møre, and Vøring basins	<u>Planke, S.</u> , Millett, J., Jerram, D., Zastrozhnow, D., Maharjan, D., Manton, B., Faleide, J.I., Walker, F., Myklebust, R.
10:20	The architecture and evolution of axial volcanic ridges at ultraslow spreading-rates	<u>Stubseid, H.H.</u> , Bjerga, A., Pedersen, R.B.
10:40	Coffee break	
<b>T6 Berggrunnsgeologi og geodynamikk / Bedrock Geology and geodynamics</b>		
<i>Chair: Steffen G. Bergh, UiT</i>		
11:00	Geochemistry of peridotite and gabbro from the Schultz oceanic core complex, 73°N: implications for magmatic processes at ultraslow-spreading rates	<u>Bjerga, A.</u> , Stubseid, H.H., Pedersen, R.B.
11:20	Seafloor accretion along a magma starved spreading ridge	<u>Onstad, S.L.</u> , Hamelin, C., Cannat, S.
11:40	The hydrothermal breccia of Berglia-Glassberget, Trøndelag, Norway: Snapshot of a Triassic earthquake	<u>Müller, A.</u> , Ganerød, M., Spjelkavik, S.O.S, Selbekk, R.
12:00	Structurally controlled Zn-Cu mineralization in the West Troms Basement Complex, Northern Norway	<u>Paulsen, H-K.</u> , Strmic Palinkas, S., Bergh, S.G.
12:20	Strain localization induced by late magmatic flux and reaction-driven strain softening, effects of primary mineralogy on the rheological response during reaction	<u>Sørensen, B.E.</u> , Grant, T., Larsen, R., Ryan, E.J., Voll, M.O.
12:40		
13:00	Lunch	
14:00	End of conference and poster down	