

Tuesday, January 8

Room: Dragefjellet (2.etg./1st floor)		Room: Teatergaten (2.etg./1st floor)		Room: Sydneshaugen (2.etg./1st floor)		Room: Museglass (3.etg./2nd floor)		Room: Tårnplass (4.etg.3rd floor)		
T3 Petroleum geoscience, Norwegian Sea		T7 Geologisk-teknologisk grensesnitt / Geological-technological interface		Den norske fjellrekkes opprinnelse		T1 Mineraler for neste generasjon / Minerals for the next generation		T9 Geofarar / geohazards		
Chair: Elisabeth Femsteinevik, Faroe Petroleum, Anette B. M. Tvedt, Petrolia		Chair: Israel Polonio, Lundin		Chair: Thorbjørn Kaland, UiB		Chair: Kristian Drivenes, NTNU, Bjørn Sørensen, NTNU		Chair: Anders Solheim, NGI		
Time	Title	Authors	Title	Authors	Title	Authors	Title	Authors		
08:40	Keynote: New core data from overburden at Skarv Field: implications for stratigraphy, neotectonics and distribution of hydrocarbons	Riis, E., Eidvin, T., Olesen, O.	Engineering parameters of Draupne Shale – Fracture characterization and integration with mechanical data	Smith, H., Bohlioll, B., Skurtveit, E., Mondol, N.H.			The Nussir and Ulvryggen Cu- ores, Repparfjord Tectonic Window, Finnmark.	Nilsen K.S.	Overvåking og varsling av fjellskred: Terskelverdier og faglig grunnlag	Blikra, L.H.
09:00	A metamorphic core complex in the southern Fraya High? A comparative analysis of the Klakk Fault Complex and underlying basement structure	Muñoz-B., J.M., Henstra, G., Kristensen, T., Gawthorpe, R., Rotevatn, A.	Optical modelling of crystallographical data from EBSD and 3D visualization of optical properties from first principles calculations	Sørensen, B.E., Hielscher, R., Mainsprice, D.	Key note: On the origin and evolution of topography in Norway	Huismans, R.S.	Origin of the Cu deposits of Nussir and Ulvryggen, Repparfjord Tectonic Window, Northern Norway	Muñoz, Y., Palinkas, S.S., Bekker, B., Kullerud, K.	The national InSAR deformation mapping service in Norway	Keiding, M., Dehls, J., Lauknes, T.R., Larsen, Y., Marinkovic, P.
09:20	Neotectonics in Nordland – implications for petroleum exploration	Olesen, O., Janutyte, I., Lindholm, C., Michalek, J., Ottemöller, L., Gradmann, S., Keiding, M., Maystrenko, Y.P., Olsen, L., Kieruff, H.P., Lauknes, T.R., Dehis, J.F., Ask, M., Olesen, T., Rise, J., & Bis, F.	3D computer animation as a research visualization tool	Angvik, T.L., Henderson, I.H.C.	Key note: Mountains of southernmost Norway: uplifted Miocene peneplains and re-exposed Mesozoic surfaces	Japsen, P.	Stable isotope geochemistry of the stratiform iron Dunderlandsdalen deposits, Nordland	Lie, K.B., Strmic Palinkaš, S., Bergh, S.G. and Lie F.	Kraftig jordskjelv nær Lillehammer, minst 4000 år etter istiden. **A major earthquake happened near Lillehammer, at least 4000 after the deglaciation	Mangerud, J., Hughes, A., Nystuen, J.P., Svendsen, J.L.
09:40	Fluid circulation and fault-controlled diagenesis along a major syn-rift border fault system – the Dombjerg Fault and the Wollaston Forland Basin, NE Greenland	Salomon, E., Rotevatn, A., Kristensen, T.B., Grundvåg, S.A., Henstra, G., Meckler, A.N.	New Geophysics Database of Norway	Gradmann, S., Larsen, B.E., de Beer, H.			The importance of hydrothermal recrystallization of quartz for quartz raw-material refinement	Seljeset, K.K., Brenden-Weisal, T., Berg-Larsen, R., Aasly, K.	Stability Analysis of Preikestolen ** Stabilitetsanalyse av Preikestolen	Mo, K., Hemmanns, R., Böhme, M., Nicolet, P.
10:00					An early Miocene elevation phase of the Scandinavian mountains.	Rasmusen, E.S.	A review of graphite deposits in Northern Norway and the latest exploration results	Rønning, J.S., Gautneb, H., NGU graphite team	Reprocessing & 3D Presentation of ERT Data from the Unstable Rock Slope Area at Åknes, Western Norway	Tassis, G., Rønning, J.S., Dalsegg, E.
10:20	Break									
T3 Petroleum geoscience, Norwegian Sea		T8 Sedimentologi, Stratigrafi og klima / Sedimentology - Stratigraphy and climate - Karst		Den norske fjellrekkes opprinnelse		T1 Mineraler for neste generasjon / Minerals for the next generation		T9 Geofarar / geohazards		
Chair: Janka Rom, NPD		Chair: Jan Tveranger, UiB and Stein-Erik Lauritzen, UiB		Chair: Thorbjørn Kaland, UiB		Chair: Kristian Drivenes, NTNU, Bjørn Sørensen, NTNU		Chair: Marie Keiding, NGU		
10:40	Where is the fresh water coming from? Can its source lead to hydrocarbon accumulations?	Gyllenhammar, C.F.	Intro: Karstforskning ved UiB: hvorfor er det viktig? (10 min)	Lauritzen, S.-E.	Integration is the Key to Understanding Scandes Mountain Building	Martinsen, O.	Resourcing the Anthropocene	Heidal, T.	Understanding quick clay generation and distribution a proactive approach to an old unknown	Siggerud, E.I.H., Kjellesvik, L.E.R.
11:00	Hydrothermal vent complexes acting as preferential fluid migration pathways in the Møre and Vøring basins	Manton, B., Planke, S., Millett, J., Zastrozhnov, D., Mazzini, A., Müller, P., Myklebust, R.	10:50 Key note: A genetic approach for characterizing paleokarst reservoirs	Tveranger, J., Kaschwich, T., Lauritzen, S.-E., Lecomte, I., Lønøy, B., Pennos, C. and Pettersen, Ø.	New mapping of the Palaeic Relief in southern Norway	Bonow, J.M.	Remediation of acid mine drainage at Løkken Verk in Trøndelag, Norway	Hauptfleisch, U.	Use of systematic and proactive 4D geomodelling for predicting spatial distribution of quick clay	Kjellesvik, L.E.R., Siggerud, E.I.H.
11:20	Cretaceous-Paleocene tectonostratigraphic development of the Møre and Vøring basins, offshore Mid-Norway	Zastrozhnov, D., Gemigon, L., Gogin, I., Sverre Planke, S., Faleide, J.I., Manton, B., Abdelmalak, M.M., Iyer, K., Schmid, D.W., Myklebust, R.	11:15 Key note: Glacier Ice-Contact Speleogenesis	Lauritzen, S.E.	Norwegian viddas (high-level mountain plateaus) were not produced by the "glacial buzz-saw"	Chalmers, J.A.	Marine mine tailings disposal at Lillebuk, Stjernesundet, North Norway	Bee, R., Sandøy, R., Baeten, N.J., Lepland, A., Bellec, V.K., Chand, S., Longva, O., Klug, M., Plassen, L., Schönenberger, J.	Quantitative mapping of ravinement valleys in central Trøndelag using 4D geomodelling	Siggerud, E.I.H., Kjellesvik, L.E.R.
11:40	An integrated conjugate margin approach for hydrocarbon exploration in the outer Vøring Basin	Polteau, S., Zastrozhnov D., Lebedeva-Ivanova N., Planke S., Schmid D., Iyer K, Trulsvik M., Myklebust R.	Liquid-vapour homogenisation of fluid inclusions in stalagmites: A new thermometer for palaeoclimate research	Kröger, Y.			Sediment particle roundness in subsea tailings from Cu-mining in Arctic Norway	Sæther, O.M., Gautneb, H., Finne, T.E., Eggen, O.A., & Broekmans, M.A.T.M.	'PHUSICOS' – a new H2020 Innovation action on Nature Based Solutions (NBS) for reducing risk from hydro-meteorological hazards.	Solheim, A., Oen, A., Karlsson, B.
12:00	New insights into the Cretaceous and Cenozoic tectono-stratigraphic evolution of the southern Lofoten and northern Vøring margins, offshore northern Norway	Tsikalas, F., Faleide, J.I. & Kalač, A.	Microbial diversity of snottites and biofilms at a pyrite mine in Båsmo (Nordland), Norway	Hribovšek, P., Lauritzen, S.E., Øverås, L.			Biogeochemical processes in submarine mine tailings and the impact on benthic fauna	Olsen, L.M.B., Kutti, T., Dahle, H., Hafliðason, H., Thorseth, I.H.		
12:20	Lunch Room plenary: Dragefjell (2.etg./1st floor)									
13:20	Toffen award									
13:45	New perspectives on the Caledonides of Scandinavia, Fernando Corfu									
14:30	Poster									
T3 Petroleum geoscience		T8 Sedimentologi, Stratigrafi og klima / Sedimentology - Stratigraphy and climate - Karst		T6 Berggrunnsgeologi og geodynamikk / Bedrock Geology and geodynamics		T7 Geologisk-teknologisk grensesnitt / Geological-technological interface				
Chair: Rune Sakariassen, PGS, Tore Klausen, Petrolia		Chair: Jan Tveranger, UiB and Stein-Erik Lauritzen, UiB		Chair: Deta Gasser, HVL		Chair: Atle Rotevatn, UiB, Elisabeth Femsteinevik, Faroe Petroleum		Chair:		
15:40	Reconstruction of the uplift and subsidence history of Smeaheia, a proposed CO2 injection and storage site	Kolnes, J.F., Anell, I., Mulrooney, M.J., Faleide, J.I., Braathen, A.	Hydrologisk sammenheng av tre store karstakviferer i Nord-Norge	Skoglund, R.Ø., Lauritzen, S.E.	Hyperextension in magma-poor and magma-rich domains along the pre-Caledonian passive margin of Baltica	Andersen, T.B., Jakob, J., Kjell, H.-J., Quintela, O., Corfu, F., Torsvik, T.H., Tegner, C., Labrousse, L., Mohn, G.	A New Method for Offshore Meter-Scale 3D Site Characterization	Lebedeva-Ivanova, N., Polteau, S., Zastrozhnov, D., Planke, S., Bellwald, B., Vanneste, M., Sauvin, G., Myklebust, R.		
16:00	Comparison between two Late Jurassic CO2 storage prospects with respect to structural derisking, Smeaheia area, Norwegian North Sea	Osmond, J.L., Mulrooney, M.J. Skurtveit, E., Braathen A.	Pyrite oxidation, a CO2-independent speleogenetic route	Lauritzen, S.E., Sæbe, V., Gabrielsen, I.M., Kilhavan, H., Skoglund, R.Ø.	Indication for pre-Scandian deformation, metamorphism, and magmatism in the Neoproterozoic metasediments of the Hummeljøll Group: U-Pb zircon ages from the Tronfjell Gabbro and related mafic intrusives, Central Scandinavian Caledonides	Jakob, J., Corfu, F., Andersen, T.B.	Deep Learning of Geological Structures in 3-D Seismic Data	Wrona, T., Pan, I., Bell, R.E., Fossen, H., Gawthorpe, R.L.	International Association of Hydrogeologists Årsmøte	
16:20	Seal characterisation of the Amundsen Formation for CO2 storage in the northern North Sea	Fawad, M., Hansen, J.A., Johnsen, J.R., Mondol, N.H.	Biomineralization in Cold caves	Sæbe, V., Lauritzen, S.E., Øvreås, L.	Dyke emplacement mechanisms across the brittle-ductile transition	Kjell, H.J., Galland, O., Labrousse, L., Andersen, T.	Enhanced lithological description of the Jurassic sequence in the Viking Graben and Oseberg Terrace using machine learning	Bee, H.W., Duffaut, K., Brandsegg, K.B.		
16:40	The compaction of sedimentary rocks	Michelsen, J.K.	The Reingardslia Cave Documentation project	Kilhavan, H., Løkke, S., Øyehaug, E., Herland, M., Gudbrandsøy, A., Gabrielsen, I.M., Skoglund, R.Ø., Lauritzen, S.E.	Serpentinite-bearing metasedimentary complex near Lesja and relationship with the hyperextended pre-Caledonian margin of Baltica	Quintela, O., Jakob, J., Andersen, T.	RePlug® - a novel material with eternal cementing in mind	Clausen, J.A., Kvassnes, A.J.S.		
17:00			Modelling for Seismic Characterization of Paleokarst Reservoirs	Johansen, M.K., Grimstad, T.J., Lecomte, I., Tveranger, J., Drotning, A.	How are the Alpine ophiolites different from the Caledonian ophiolitic mélanges?	Mohn, G., Jakob, J., Andersen, T.B.				
17:20	End of day									
17:30	NGF generalforsamling							Nettverksmøte Geofaglarere?		
19:30	Conference Dinner including Reusch award og Shell student award									