



Programme of section Geology, Geophysics & Palaeoecology, 9th-10th February 2023

Link to the event for both days: bbb.lu.lv/b/nor-yo3-bkc-m6j

9.02.2023 THURSDAY		
Geophysics. Chair: Normunds Stivrins		
Time (Latvian time zone; UTC+2)	Presenters	Title
9:00-9:05	Normunds Stivriņš	Opening words
9:05-9:25	Jānis Karušs* , Kristaps Lamsters , Jurijs Ješkins , Pēteris Džeriņš <i>*Department of Geology, University of Latvia, Latvia</i>	Structure of Qaanaaq ice cap outlet glaciers, NW Greenland
9:25-9:45	Kristina Kucinskaite* , Alireza Malehmir , Thomas Funck , Ulrik Gregersen , Lars Hjelm , Lars Nielsen , Myrto Papadopoulou , Michael Westgate , Samuel Zappalà <i>*Uppsala University, Sweden</i>	Novel land seismic studies for geological storage of CO ₂ in Denmark
9:45-10:05	Viesturs Zandersons* , Jānis Karušs <i>*Department of Geology, University of Latvia, Latvia</i>	Automatic seismic event detection in low- seismicity areas
10:05-10:25	Matīss Brants <i>*Department of Geology, University of Latvia, Latvia</i>	A geophysical model of Strenči magnetic anomaly
10:25-10:45	Kristina Kucinskaite* , Lars Nielsen <i>*Uppsala University, Sweden</i>	Application of seismic refraction tomography for karst imaging: a case study of two distinctive sinkholes in Latvia
10:45-10:55	Coffee break (10 min)	
Sedimentology. Chair: Jānis Karušs		
10:55-11:15	Ģirts Stinkulis <i>Department of Geology, University of Latvia, Latvia</i>	Problematic vertical structures in the Šķervelis Formation (Uppermost Famennian to Mississippian)
11:15-11:35	Karina Apolinarska* , Liene Aunina , Mariusz Gałka , Rafał Kiełczewski , Magdalena Marzec , Krzysztof Pleskot <i>*Institute of Geology, Adam Mickiewicz University, Poland</i>	The temporal variability of the Holocene calcium carbonate deposition at alkaline fens in the young glacial area of central Europe (NE Poland and Latvia)
11:35-11:55	Inta Dimante-Deimantovica , Saija Saarni , Marta Barone , Normunds Stivrins* , Natālija Suhareva , Wojciech Tylmann , Alvise Vianello , Natalja Buhhalko , Jes Vollertsen <i>*Department of Geography, University of Latvia, Latvia</i>	Downward migrating microplastic in lake sediments is a tricky indicator for the onset of the Anthropocene



11:55-12:15	Ilze Ozola* , Normunds Stivrins <i>*LVMI "SILAVA"</i>	Potential of paludicultures in forming new peat layers and capturing carbon
12:15-13:15	Lunch break (60 min)	
Palaeoecology. Chair: Normunds Stivrins		
13:15-13:35	Liva Trasune* , Sakari Salonen , Frederik Schenk <i>*Department of Geosciences and Geography, University of Helsinki, Finland</i>	Indication of warm summers during Younger Dryas in Baltic States region
13:35-13:55	Gražyna Kluczynska* , Laura Gedminienė , Vladas Žulkus , Algirdas Girininkas , Tomas Rimkus , Linas Daugnora , Jolita Petkuvienė , Žana Skuratovič , Domas Uogintas , Miglė Stančikaitė <i>*Nature Research Centre, Lithuania</i>	Reconstruction of the Mid-to Late- Holocene paleoenvironment in the Eastern Baltic region (W Lithuania) based on multiproxy approach
13:55-14:15	Sabine Kreslina* , Normunds Stivrins <i>*Department of Geography, University of Latvia, Latvia</i>	First results on a Testate amoebae-based quantitative water reconstruction during the Late Holocene in Ķemeri bog, Latvia
14:15-14:35	Juris Soms* , Dana Medne <i>*Daugavpils University, Latvia</i>	Morphology and granulometric characteristics of aeolian landforms in the Augšdaugava spillway valley
14:35-14:55	Open discussion. Chair: Normunds Stivrins & Kristaps Lamsters	



10.02.20 FRIDAY		
Palaeontology. Chair: Normunds Stivrins		
9:00-9:20 Time (Latvian time zone; UTC+2)	Ervīns Lukševičs* , Valters Alksnītis , Tatjana Visotina <i>*Department of Geology, University of Latvia, Latvia</i>	A Late Devonian sarcopterygian fish assemblage from the Pavāri-2 fossil locality, Latvia
9:20-9:40	Valters Alksnītis <i>Department of Geology, University of Latvia, Latvia</i>	Pathologies in the fish fossils from the Middle Devonian, Burtnieki Formation deposits of Estonia
9:40-10:00	Dmitry Plax , Ervīns Lukševičs* <i>*Department of Geology, University of Latvia, Latvia</i>	A new antiarch fish (Placodermi) from the Lower Devonian Vitebsk Formation of Belarus
Geomorphology. Chair: Normunds Stivrins		
10:00-10:20	Kristaps Lamsters* , Inese Grīnbauma <i>*Department of Geography, University of Latvia, Latvia</i>	New data on surging phenomena of palaeo-ice lobes in Latvia
10:20-10:40	Karol Tylmann* , Damian Moskalewicz , Vincent Rinterknecht , Piotr Woźniak , Team ASTER <i>*Faculty of Oceanography and Geography, University of Gdansk, Poland</i>	Oscillations of the ice sheet front along the Gardno moraines in northern Poland: reconstruction inferred from landforms analysis and 10Be dating
10:40-10:50	Coffee break (10 min)	
10:50-11:10	Vytautas Minkevičius* , Simonas Danielius , Mikulėnas Vidas , Satkūnas Jonas <i>*Nature Research Centre, Lithuania</i>	Semi-automatic karst sinkhole detection from digital elevation or surface models
11:10-11:30	Małgorzata Frydrych <i>Department of Physical Geography, University of Łódź, Poland</i>	Morphology of Saalian eskers in Poland.
11:30-11:50	Laura Gedminienė* , Violeta Pukelytė <i>*Nature Research Centre, Lithuania</i>	Lithosedimentary and pollen-spore record changes through the transition from stadial to interstadial during Late Nemunas glaciation according to the research of Balbieriškis outcrop, south Lithuania.
11:50-12:10	Pēteris Džeriņš* , Jānis Karušs , Kristaps Lamsters , Jurijs Ješkis , Artūrs Ķelpe <i>*Department of Geology, University of Latvia, Latvia</i>	Investigation of buried karst sinkholes under bog using GPR and ERT methods
12:10-12:30	Ivars Strautnieks* , Laimdota Kalniņa , Anna Batraga , Ineta Grīne <i>*Department of Geography, University of Latvia, Latvia</i>	Silakalni hilly massif, new data of genesis and geological structure
12:30-12:50	Open discussion and closing words. Chair: Normunds Stivrins & Kristaps Lamsters	



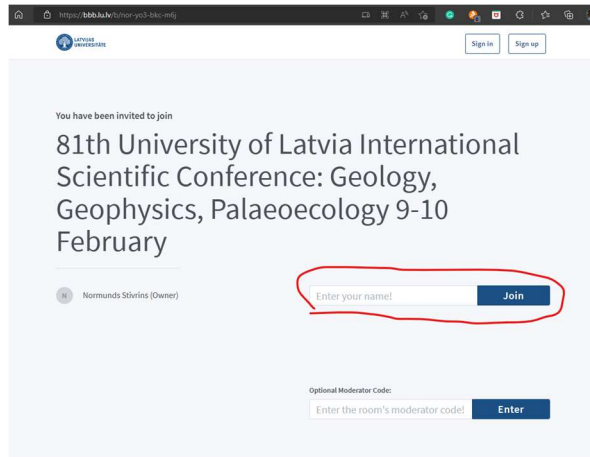
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Presentations should not be longer than 15 min (15 min presentation + 5 min for the questions).



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