

29th Meeting of the Petrology Group of the Mineralogical Society of Poland

Mountain Hotel Mních***, Bobrovec, Slovakia

POSTER SESSION

Saturday, October 19th 2024 (15:15 – 17:15)

- 1/ **Antonio ATTARDI, Daniele COSSU, Stefano NAITZA & Jarosław MAJKA**: The role of micas in modelling ore-bearing greisen in Sardinia, Italy
- 2/ **Wojciech BARTZ, Aleksandra PANKIEWICZ & Jakub PAWLICKI**: Production technology of early medieval ceramic crucibles in the light of mineralogical analyses. The case of finds from Wrocław (S-W Poland)
- 3/ **Jakub BAZARNIK & Piotr LENIK**: Variation in the chemical composition of rocks within Neogene andesite suite, Pieniny Klippen Belt, Western Carpathians, Poland
- 4/ **Michał BUKAŁA, José A. PADRÓN-NAVARTA, Manuel D. MENZEL, Vicente LÓPEZ SÁNCHEZ-VIZCAÍNO & Carlos J. GARRIDO**: Rock the Redox Reaction: Unraveling High-Pressure Dehydration and Carbonation of Serpentinites in Subduction Setting
- 5/ **Daniel BUCZKO, Magdalena MATUSIAK-MAŁEK, Jarosław MAJKA & Sonja AULBACH**: Orogenic peridotites of the Köli & Seve nappe complexes – similarities, differences and implications for Baltican margin evolution throughout the Caledonian Orogeny
- 6/ **Igor BORATYŃSKI**: Th-Pb dating of monazites – traces of 5th thermal event discovered in altered rocks of Jastrzębna IG-1 drill
- 7/ **Błażej CIEŚLIK, Anna PIETRANIK, Jakub KIERCZAK, Alicja LACINSKA & Vojtěch ETTLER**: Geochemical and isotopic signatures reveal the complex origin of peridotite-hosted carbonates (Central-Sudetic ophiolites, SW Poland)
- 8/ **Justyna DOMAŃSKA-SIUDA, Krzysztof TURNIAK & Adam SZUSZKIEWICZ**: Sr-Nd isotope geochemistry of mafic microgranular enclaves from the eastern part of the Strzegom-Sobótka massif (SW Poland)
- 9/ **Marta ESMUND, Jan GOLEŃ, Alicja WUDARSKA, Maciej MANECKI, Aivo LEPLAND, Peep MÄNNIK & Oile HINTS**: Imaging of biogenic fluorapatite using fluorescence microscopy
- 10/ **Magdalena GORYL, Leszek MARYNOWSKI, Maciej BOJANOWSKI & Jan ŚRODOŃ**: Characteristics of organic matter in Ediacaran siderite-bearing sedimentary rocks from the East European Craton
- 11/ **Anna GRABARCZYK-GURBA, Grzegorz GIL, Petras JOKUBAUSKAS, Jaime D. BARNES & Bogusław BAGIŃSKI**: Origin of Kłodzko-Złoty Stok and Jawornik intrusions magmas: Insights from stable H, C, O and Cl isotope composition

- 12/ **Dominik GURBA, Ewa KRZEMIŃSKA & Anna GRABARCZYK-GURBA**: Monazite microstructures and textural implications of Prabuty charnockite – the thermal event recorded in the Dobrzyn Domain
- 13/ **Anna JANUSZEWSKA, Rafał SIUDA & Łukasz KRUSZEWSKI**: Weathering mineralogy and geochemistry of the polymetallic mineralization in Johan Hell mine, Maramureş, Romania, Eastern Carpathians
- 14/ **Milan KOHÚT, Igor SOEJONO, Stephen COLLETT & Vojtěch JANOUŠEK**: The Upper vs. Lower Unit of the Western Tatra Mts.: Lithology & Provenance
- 15/ **Karolina KOŚMIŃSKA, Jarosław MAJKA & Marian JANÁK**: Polymetamorphic evolution of the eclogite hosting augen gneiss from the Richarddalen Complex, Svalbard
- 16/ **Ewa KRZEMIŃSKA, Jolanta PACZEŚNA & Paweł POPRAWA**: Detrital zircon Pb-Pb dating of the Polesie Formation – provenance and maximum deposition age of the oldest sediments at the western slope of the East European Craton (Orsha-Volyn rift, SE Poland)
- 17/ **Anna KUKUŁA, Magdalena MATUSIAK-MAŁEK , Brian G.J. UPTON, Theodoros NTAFLLOS, Hubert MAZUREK, Sonja AULBACH, Michel GRÉGOIRE & Hannah S.R. HUGHES**: Evolution of lower crust and upper mantle beneath Southern Uplands and Midland Valley Terranes (S Scotland): constraints from ultramafic cumulitic xenoliths in alkaline mafic lavas
- 18/ **Piotr LENIK & Jakub BAZARNIK**: Hydrothermal alteration of andesite rocks from the Szczawnica – Krościenko area, Western Carpathians, Poland. Cases from Ciżowa Hill and Pałkowski Stream intrusions
- 19/ **Piotr LENIK, Jakub BAZARNIK, Grzegorz ZIELIŃSKI & Paweł DERKOWSKI**: The REE-minerals in the contact zone of Neogene andesites in the Pieniny Klippen Belt, Western Carpathians
- 20/ **Maria MARASZEWSKA & Jarosław MAJKA**: Mineral-melt and mineral-fluid interactions recorded in enigmatic mafic cumulates in NE Prins Karls Forland (Svalbard)
- 21/ **Magdalena MATUSIAK-MAŁEK, İsmail Onur TUNÇ, Jakub MIKRUT & Bartosz PIETEREK**: Influence of subduction on the lithospheric mantle - preliminary studies on peridotitic xenoliths from NW Turkiye (Thrace region)
- 22/ **Jakub MIKRUT, Magdalena MATUSIAK-MAŁEK, Georges CEULENEER, Michel GRÉGOIRE & Kujtim ONUZI**: Common origin, separate fates – subduction influence controlling chemical evolution of Puke and Kukes massifs, Mirdita Ophiolite
- 23/ **Martyna NAWRACAJ, Julia RÓŻAŃSKA, Kacper STASZEL, Bartosz PUZIO, Aleksandra PUŁAWSKA & Maciej MANECKI**: Phase transitions of anhydrous sulfate with strontium substitution
- 24/ **Krzysztof NEJBERT, Jakub KOTOWSKI & Paweł POPRAWA**: Chevkinite group minerals from the Etk Syenite Massif – their alterations and significance for secondary REE mineralization
- 25/ **Małgorzata NOWAK, Lucie TAJČMANOVÁ, Jacek SZCZEPAŃSKI & Marcin DĄBROWSKI**: Metamorphic evolution of coesite-bearing eclogites from the Złote Mts. (Orlica-Śnieżnik Dome, NE Bohemian Massif)
- 26/ **Magdalena PAŃCZYK, Jerzy NAWROCKI, Tomasz MALATA, Leszek BALICKI, Bartosz PIETEREK, Dominik GURBA & Piotr DZIADZIO**: Cretaceous – Early Miocene palaeogeography of the Carpathians in Poland as derived from the first cycle and recycled detrital zircon provenance study

- 27/ **Bartosz PIETEREK, Riccardo TRIBUZIO, Magdalena MATUSIAK-MAŁEK & Magdalena PAŃCZYK**: Pyroxenite dykes control sulfide segregation and the subcontinental lithospheric mantle metallogeny of Balmuccia peridotite massif
- 28/ **Tomáš POTOČNÝ, Karolina KOŚMIŃSKA & Jarosław MAJKA**: Microstructural study of coesite to quartz transformation during retrograde metamorphism of ultra-high pressure rocks
- 29/ **Tomáš POTOČNÝ, Marína MOLČAN MATEJOVÁ, Štefan MÉRES & Dušan PLAŠIENKA**: Tectono-stratigraphic evolution of the complex Meliatic mélange based on Th-U-Pb dating of unique euhedral monazites in radiolarian-bearing deposits (Internal Western Carpathians)
- 30/ **Anna POTYSZ, Alexey MAXIMENKO, Lulu AL LUHAIBI, Artur PĘDZIWIATR, Maciej SWĘD & Mateusz WOLSZCZAK**: Biodissolution of sulfides deciphered from experimental incubations and surface analysis by X-ray near edge absorption structure
- 31/ **Tomasz POWOLNY, Justyna CIESIELCZUK, Filip ŠARC, Bojan OTONIČAR, Andrzej TYC**: The occurrence and origin of dedolomites in cave system from Central Slovenia – microtextural, mineralogical, and geochemical constraints
- 32/ **Grzegorz RZEPA, Agata KOBIERSKA, Maciej MANECKI, Katarzyna ŁUKAWSKA-MATUSZEWSKA, Aleksandra BRODECKA-GOLUCH, Artur BŁACHOWSKI, Adam GAWEŁ, Andrzej BORKOWSKI & Jarosław KANIA**: Biogeochemical effects on the origin and variability of authigenic minerals in anoxic Baltic Sea sediments
- 33/ **Grażyna STAŃCZAK, Piotr LENIK & Jakub BAZARNIK**: Geochemical anomalies in the soils of the Szczawnica area (Western Carpathians, Poland) – a link to magmatic rocks?
- 34/ **Ewa STEPIEŃ & Maciej MANECKI**: Sequestration of arsenic from water by the precipitation of mimetite $Pb_5(AsO_4)_3Cl$
- 35/ **Kornelia STOLARCZYK & Marek AWDANKIEWICZ**: Raman Spectroscopy of CO_2 inclusions in olivines and pyroxenes as a tool for studying magmatic evolution – preliminary data from Strzelin Volcanic Field nephelinites
- 36/ **Jacek SZCZEPAŃSKI & Xin ZHONG**: Metamorphic history of the Orlica-Śnieżnik dome (Sudetes, Bohemian Massif): Insights from phase diagram modeling and quartz-in-garnet barometry
- 37/ **Monika SZCZUKA, Anna WAŚKOWSKA & Aleksandra GAWĘDA**: Preliminary studies of detrital zircons from Istebna Formation (Jasnowice, Olecka stream, Western Outer Carpathians, Poland)
- 38/ **Katarzyna WALCZAK, Isabel CARTER & Simon CUTHBERT**: New insights into the age and genesis of magmatic intrusions in Krutfjäll Nappe, Upper Allochthon, Scandinavian Caledonides
- 39/ **Sebastian WASZKIEWICZ, Artur BŁACHOWSKI & Paulina KRAKOWSKA-MADEJSKA**: Does iron speciation correlate with the reservoir properties of rocks? ^{57}Fe Mössbauer study of Miocene sediments, Carpathian Foredeep
- 40/ **Adam WŁODEK & Jaroslav PRŠEK**: Compositional zoning in spessartine from pegmatite from the Wiry mine in the Gogołów-Jordanów serpentinite massif (Sudety Mts, SW Poland)