



Mineralogical Society of Poland

www.ptmin.agh.edu.pl

emc²020
6-10 september

Preparations are in full swing for the 3rd European Mineralogical Conference, which will be held from 6–10 September 2020 in Krakow,

Poland. For the record, we would like to add that the emc2020 is a joint initiative of ten European Mineralogical Societies.

DMG	Deutsche Mineralogische Gesellschaft
MinSoc	Mineralogical Society of Great Britain & Ireland
MinSocFin	Mineralogical Society of Finland
ÖMG	Österreichische Mineralogische Gesellschaft
PTMin	Mineralogical Society of Poland
RMS	Russian Mineralogical Society
SEM	Sociedad Española de Mineralogía
SFMC	Société Française de Minéralogie et de Cristallographie
SIMP	Società Italiana di Mineralogia e Petrologia
SSMP	Swiss Society of Mineralogy and Petrology

Thanks to the efforts of many conveners, we have prepared a substantial list of scientific sessions related to the previously proposed symposia themes.

Registration opens 1 March 2020
Website: <https://emc2020.ptmin.eu/>

THEMES, SESSIONS AND CONVENERS AT THE EMC2020

ADVANCED ANALYTICAL TECHNIQUES

- S1. Developments in Process Mineralogy (*A.Butcher, D.Pirrie*)

APPLIED MINERALOGY

- S1. Geometallurgy in Beneficiation of Ore Deposits (*J.Liipo, E.Pirard*)
S2. Applied Mineralogy in Materials Science Issues: Geo- and Synthetic Materials (*K.Nickel, M.Mercurio, R.Giustetto*)
S3. Hazardous Minerals: from Atomic- to Meso-scale Interactions (*A.Croce, R.Vigliaturo*)
S4. Mineralogy of Industrial Residues (*H.Makkonen, D.Vollprecht, L.Mantovani*)

ARCHAEOLOGY, CARE AND PRESERVATION

- S1. Materials Sciences and Archaeometry for Cultural Heritage (*P.Cappelletti, S.Greiff*)

ATOMISTIC AND THERMODYNAMIC MODELLING

- S1. Relationships Between Structural, Chemical, Vibrational and Thermodynamic Properties in Minerals and Melts (*M.Méheut, C.A.Geiger*)

EDUCATION AND MINERALOGY

- S1. Mineralogy and Museums – Collection, Presentation, Outreach (*B.Kreher-Hartmann, R.Stalder, E.Bonaccorsi*)

ENVIRONMENTAL MINERALOGY AND LOW-T GEOCHEMISTRY

- S1. Bio- and Authigenic Minerals: Potential for Paleoenvironmental Reconstruction (*N.Gussone, M.Boettcher*)
S2. Iron Oxides and Oxyhydroxides: Petrology, Environmental Relevance and Industrial Applications (*F.Brunet, P.Fumagalli, J.Byrne*)
S3. Synkinematic Minerals in Faults: Proxies for Fluid–Rock Interactions and Deformation Conditions (*M.Buatier, I.Abad, A.Schleicher*)
S4. Mineralogical Controls on Element Dynamics in the Critical Zone (*M.Chassé, A.Galuszka, C.Levard*)
S5. Clay Minerals: Genesis, Properties and Applications (*B.Bauluz, S.Hillier, M.Suárez*)
S6. Zeolites: Occurrence, Properties and Utilization (*R.Arletti, P.Lotti, T.Bajda*)

EXPERIMENTAL MINERALOGY AND PETROLOGY

- S1. Spotlight on Oxidation State and Other Redox Proxies from Earth's Surface to Core (*C.McCammon, F.Gaillard, V.Stagno*)

GEOBIOCHEMISTRY, GEOMICROBIOLOGY AND BIOMINERALOGY

- S1. Hydrothermal Systems in the Early Earth (*E.Staby, J.Touret, M.van Zuilen*)
S2. Life and Minerals (*G.De Giudici, L.Newsoms, O.Moore*)

GEOCHRONOLOGY

- S1. Geochronology: New Trends and Applications (*A.Gerdes, N.Roberts, R.Anczkiewicz*)
S2. Helping Geochronology: Down to Nano-investigations? (*A.-M.Seydoux-Guillaume, M.A.Kusiak, J.Darling*)

MAGMATISM AND VOLCANOLOGY

- S1. Continental Intraplate Volcanism: New Frontiers for Understanding Magma Origin, Ascent, Storage, and Eruption (*D.Perugini, A.K.Schmitt, A.B.Woodland*)
S2. Terrestrial Magmatic Systems (*H.Marschall, B.Kaus*)

MANTLE PETROLOGY AND GEOCHEMISTRY

- S1. A Journey into the Subduction Factory: Slab-derived Melt/Fluids and their Interaction with Mantle (*E.Cannò, L.S.Capizzi, E.Schettino, C.Tiraboschi*)
S2. The Upper Mantle from a Petrological Point of View: Where We Come From and Where We Are Going (*C.Bonadiman, M.Grégoire, M.Matusiak-Matek*)
S3. Applications of Nanomineralogy in the Understanding of High-temperature Systems (*F.Gervilla, J.M.González Jiménez*)
S4. Isotopic Tracers of Mantle and Magma Evolution (*R.Avanzini, S.Agostini, V.van Schijndel*)
S5. Conventional and Non-Conventional Stable Isotopes at High Temperatures (*M.Casalini, M.Roskosz, S.Klemme, S.Weyer*)

METAMORPHISM

- S1. Fluid-Rock Interaction at Low and High Temperatures: Mechanisms, Rates and Chemical and Petrophysical Consequences, (*T.John, O.Plümper, T.Mueller*)
S2. Reading the Record From Mineral Reactions, Deformation, and Recrystallisation (*R.Abart, B.Budzyń, S.Chakraborty*)
S3. (Ultra)high-Temperature Metamorphism, Crustal Anatexis and Granite Formation (*B.Cesare, F.Farina, B.Kunz*)
S4. (Ultra)high-pressure Metamorphism and its Geodynamic Significance (*J.Majka, D.Rubatto, M.Smit*)
S5. Mineralogical Aspects of Carbon Cycling and Recycling (*P.Tuisku, L.Kriegsman, A.M.Álvarez-Valero*)
S6. Petrological Tools and Strategies Applied to Crustal Metamorphism (*C.Warren, C.Groppo, P.Lanari*)

MINERAL DEPOSITS AND RAW MATERIALS

- S1. PGE Mineralogy and Geochemistry in Natural and Experimental Systems (*T.Halkoaho, F.Zaccarini, A.Vymazalova*)
S2. Metal Ore Deposits in the EU – Chances for the Future (*U.Schwarz-Schampera, T.Graupner, F.Melcher*)
S3. Non-traditional Sources of REE and other Technology Critical Elements (TCEs) (*C.R.Cánovas, P.Rossi, J.M.Nieto*)
S4. The Geology of Gem Deposits: A Session in Honour of Gaston Giuliani (*L.A.Groat, I.Pignatelli*)

MINERAL DIVERSITY AND EVOLUTION

- S1. New Minerals, Nomenclature, and Classification (*F.Hatert, M.Pasero, I.O.Galuszka*)

MINERAL PHYSICS

- S1. Phase Transitions, Structures and Physical Properties of Minerals as a Function of P and T (*S.Jahn, M.Zema, D.Dobson*)
S2. Are Inclusions Petrologists' Best Friends? (*M.Alvaro, S.Ferrero, R.Angel*)
S3. Mineral Physics and Planetology: a Journey Across the Universe (*P.Comodi, E.Othani, L.Dubrovinsky*)

MINERALOGICAL CRYSTALLOGRAPHY

- S1. Structural Principles for Minerals and Related Compounds: Theory and Experiment (*F.Camara, S.Krivovichev, M.Nespolo*)

LOCAL ORGANIZING COMMITTEE: Tomasz Bajda, Justyna Topolska, Jakub Kierczak, Krzysztof Szopa, Anna Inglot.

CONTACT: emc2020@ptmin.eu