

GEOLOGICA CARPATHICA 70

Conference programme

Wednesday, October 9 th		
10:00–13:00	Registration	
11:00–12:00	Meeting of Editorial Board of Geologica Carpathica	
12:00–13:30	Lunch	
13:30–13:45	Opening of the Conference	Pavol Siman, Ján Madarás
13:45–14:05	Geologica Carpathica: History and future of the open access international geoscience journal	Igor Broska, Milan Kohút, Jozef Michalík, Adam Tomašových
14:05–14:15	Bohuslav Cambel: An outstanding geochemist and his role in history of Geologica Carpathica (100 years since his birth)	Pavel Uher, Igor Broska
14:15–14:30	Address to Geologica Carpathica	Vojtěch Janoušek (Editor-in-chief of Journal of Geosciences, Prague); Marek Krápiec (Editor-in-chief of Geological Quarterly, Krakow); Lutz Nasdala (Editor-in-chief of Mineralogy and Petrology, Vienna)
Theme: Tectonic history of the Alpine–Carpathian–Balkan orogenic belt		Chairman: Gernold Zulauf
14:30–15:00	<i>Keynote talk:</i> What is the Austroalpine mega-unit and what are the potential relations to Paleotethyan Ocean remnants of southeastern Europe?	F. Neubauer, Y. Liu, S. Cao & S. Yuan
15:00–15:30	<i>Keynote talk:</i> The Western Carpathians – record of 180 Myr lasting orogenic progradation and its drivers	D. Plašienka
15:30–15:45	A new era of the paleomagnetic research in the pre-Cenozoic of the Central Western Carpathians: Concepts, first results and ongoing studies	E. Márton, D. Plašienka, J. Madzin, J. Grabowski, J. Bučová, R. Aubrecht & M. Putiš
15:45–16:15	Coffee break	
Theme: Tectonic history of the Alpine–Carpathian–Balkan orogenic belt		Chairman: Milan Kohút
16:15–16:30	Structural control of the Banská Hodruša ore deposit (Štiavica Stratovolcano)	R. Vojtko, P. Žitňan, J. Prcúch, J. Lexa, P. Koděra, M. Chovan & A. Kubač
16:30–16:45	Succession of tectonometamorphic processes in the Veporic–Gemic contact zone revealed by monazite age data (Western Carpathians, Slovakia)	T. Potočný, Š. Méres & D. Plašienka
16:45–17:00	Lithology and tectonic structure of the HP/LT metamorphosed composite Bôrka Nappe: An important clue to the Meliata Ocean geological history	P. Ivan, Š. Méres & D. Plašienka
17:00–17:10	Short break for photo session	
Theme: Petrology and geochemistry: Towards geodynamics and metallogeny		Chairman: Igor Broska
17:10–17:15	Bohuslav Cambel Medal	presented by Ján Madarás
17:15–17:45	<i>Medal talk:</i> Variscan odyssey of the Bohemian Massif and the related plutonic activity	Vojtěch Janoušek
17:45–18:45	Poster session	
19:00	Ice-breaking party	

Thursday, October 10 th		
Theme: Petrology and geochemistry: Towards geodynamics and metallogeny		Chairman: Vojtěch Janoušek
9:00–9:30	<i>Keynote talk:</i> How long does it take to make a giant porphyry copper deposit? Advances in high-precision geochronology and modelling of magmatic–hydrothermal processes	A. von Quadt, S.J.E. Large, Y. Buret, I. Peytcheva & C.A. Heinrich
9:30–9:45	Variscan I-type granitoids in the Eastern Alps and their geodynamic setting: An updated discussion based on new geochronological results	F. Finger, H. Fritz, C. Hauzenberger, E. Hejl, W. Kurz & M. Lindner

9:45–10:00	Two types of titanite in I-type tonalites from Tatric and Veporic units: magmatic vs. post-magmatic oxidation	I. Petřík
10:00–10:15	Magmatic evolution of the Štiavnica volcano	J. Lexa, B. Rottier, K. Yi, A. Audétat, I. Broska, P. Koděra & M. Kohút
10:15–10:30	Eclogites of the Western Carpathians revisited	M. Janák
10:30–10:50	Coffee break	
Theme: Petrology and geochemistry: Towards geodynamics and metallogeny		Chairman: Igor Petřík
10:50–11:05	Regionally dependent metasomatism of orogenic mantle revealed by highly siderophile elements and Re–Os isotope geochemistry of Variscan lamproites: A pilot study from the Bohemian Massif	L. Krmíček & L. Ackerman
11:05–11:20	Genesis of the Carpathian obsidians	M. Kohút, R. Anczkiewicz, A. Biroň, M. Danišík, V. Erban, A. Gerdes, A. Halton, K. Jesenák, C. Kirkland, Y. Kochergina, T. Magna, T. Mikuš, S. Milovská, R. Milovský, N. Pearce, C. Recio, S. Sherlock, J. Šurka, J. Westgate & P. Bačo
11:20–11:35	Beryllium silicate minerals in granite–pegmatite suites: Tracers of magmatic to hydrothermal and tectonic evolution (examples from Western Carpathians)	P. Uher, P. Bačík & J. Fridrichová
11:35–11:50	The influence of cationic partitioning among crystallographic sites based on bond-valence constraints and the genetic environment geochemistry on the composition of tourmaline-supergroup minerals	P. Bačík
11:50–12:05	Geochemical modeling of magmatic–hydrothermal systems: Petrological evaluations and metallogenic application	S. Shnyukov, I. Lazareva, O. Andrieiev, O. Mytrokhin, A. Aleksieienko & L. Gavryliv
12:05–12:20	The geochemical characteristics of the Menilite Formation in the Czech Carpathians: A short review	P. Jirman, E. Geršlová & L. Medvecká
12:30–13:40	Lunch	
Theme: Permian evolution: Joining the Variscan and Alpine orogenic events		Chairman: Franz Neubauer
13:40–14:10	<i>Keynote talk:</i> From Variscan to Cimmerian Europe as revealed from case studies in the Bohemian Massif and the eastern Mediterranean	G. Zulauf
14:10–14:25	Geochronology of Permian–Triassic tectono-magmatic events from the Inner Western Carpathian and Austroalpine units	M. Putiš, F. Koller, X-H. Li, Q-L. Li, A. Larionov, P. Siman, M. Ondrejka, P. Uher, Z. Németh, P. Ružička & O. Nemeč
14:25–14:40	Calc-alkaline lamprophyres from Nízke Tatry and Malá Fatra Mts. – petrology and geochronology	J. Spišiak, L. Vetráková, D. Chew, Š. Ferenc, T. Mikuš & P. Siman
14:40–14:55	Whole rock geochemistry of Permian Gemic granites and their possible correlation	I. Broska & M. Kubiš
14:55–15:10	The chemical heterogeneities of the Permian basalts in Hronic unit (the Western Carpathians), and their relationship to physical and regional variations	R. Demko
15:10–15:30	Coffee break	
Theme: Stratigraphy, sedimentology, and palaeobiology of the Tethyan and Paratethyan Realms		Chairman: Jozef Michalík
15:30–16:00	<i>Keynote talk:</i> Implication of the global and regional tectonics and eustasy on the Central Paratethys paleogeography: Reflection in the regional and standard time scale correlation	M. Kováč & The Neogene Tigers
16:00–16:30	<i>Keynote talk:</i> An imprint of the middle Miocene paleoceanologic and paleoclimatic events in a satellite sea during the Langhian: A case study from the Central Paratethys	K. Holcová, F. Scheiner, N. Doláková, S. Nehyba, J. Kopecká, R. Brzobohatý, A. Demeny, Š. Hladilová, J. Hrabovský, H. Kuhnert, R. Milovský, J. Rigová, M. Seko & T. Utescher
16:30–16:45	The paleogeographic distribution of the coralline algae of the genus <i>Mesophyllum</i> in Central Paratethys during the Middle Miocene	J. Hrabovský, D. Basso, G. Coletti & A. Pisera

16:45–17:00	Actualistic paleoecology and taphonomy of the Holocene benthic assemblages in the northern Adriatic Sea: Links with the Middle Miocene ecosystems of the Vienna Basin	A. Tomašových, N. Hudáčková & T. Fuksi
17:00–17:15	Badenian/Sarmatian foraminifera shift in the Central Paratethys: Two methods comparison – a morphogroup and species approach	N. Hudáčková, A. Ruman, I. Plašienková, M. Jamrich, E. Halášová, P. Kiss, M. Kováčová, J. Babejová-Kmecová & M. Kováč
17:15–17:30	Peperites and other volcano-sedimentary deposits (lowermost Cretaceous, Berriasian) of the Ukrainian Carpathians	M. Krobicki, A. Feldman-Olszewska, O. Hnylko and J. Iwańczuk
17:30–17:45	End-Cretaceous extinction and Paleogene recovery of planktonic microfauna in the Western Carpathians: Stratigraphic constraints and paleoenvironmental proxies	J. Soták, S. Antolíková & T. Elbra
17:45–18:00	Research into mixed turbidite systems: Macro- and microscopic-scale observations – case study from the Szczawa Tectonic Window, the Fore-Magura zone of the Polish Outer Carpathians	P. Siwek & M. Wendorff
18:00–18:45	Poster session	
19:00	Conference dinner	

Friday, October 11th

Theme: Stratigraphy, sedimentology, and palaeobiology of the Tethyan and Paratethyan Realms		Chairman: Adam Tomašových
9:00–9:30	<i>Keynote talk:</i> Mesozoic sedimentary basins, current systems and life domains in northern part of the Mediterranean Tethys Ocean	J. Michalík
9:30–9:45	Plankton evolution and biostratigraphy during Late Jurassic and Early Cretaceous	D. Reháková
9:45–10:00	Carbon isotope stratigraphy across the Jurassic–Cretaceous boundary system	O. Lintnerová
10:00–10:15	<i>Bathysiphon</i> microfacies and trace fossils association of the Lower Jurassic Fleckenmergel marly limestone from the Central Western Carpathians, the Pieniny Klippen Belt and the Betic Cordillera	V. Šimo
10:15–10:45	Coffee break	
Theme: Applied geophysics: deep structures in orogenic belts		Chairman: Peter Vajda
10:45–11:15	<i>Keynote talk:</i> Integrated geophysical modelling of the lithosphere in the Carpathian–Pannonian region: A review	M. Bielik, H. Zeyen, Z. Alasonati Tašarová, V. Starostenko, I. Makarenko, O. Legostaeva, H-J. Goetze, †F. Horváth, R. Pašteka, J. Dérerová, J. Pánisová, M. Grinč & B. Šimonová
11:15–11:30	Revision of Bouguer gravity anomalies map of Slovak Republic and interpretation of their enhanced higher derivatives	R. Pašteka, P. Zahorec, M. Bielik, V. Szalaiová, J. Mikuška, I. Marušiak, J. Papčo, D. Kušnirák & M. Krajňák
11:30–11:45	Advances in volcano gravimetry: Handling topographic effects	P. Vajda, P. Zahorec, J. Papčo, D. Bilčík, F. Greco & M. Cantarero
11:45–12:00	Contrasting magnetic fabrics in sedimentary rocks of the accretionary prisms of the Flysch Belt of Western Carpathians and the Rhenohercynian Zone of E Bohemian Massif	F. Hrouda
	Closing of the Conference and discussion about the future of Geologica Carpathica	
12:30–13:30	Lunch	
14:00	Excursion to the Driny Cave and Smolenice Museum	

Saturday, October 12th

9:00	Excursion to the Modra Massif	
16:00	Expected arrival to the Smolenice Castle	
Posters		
Influence of deformation bands on Nubian Sandstone reservoir quality, Eastern Desert, Egypt	A. Ali, R. Mohamed, K. Zaki & M. Wagreich	
Biostratigraphic and paleoecological evaluation of Lower Jurassic sediments from the Myjava Highlands	S. Antolíková	
Mylonitic Late Variscan granites from the central Balkan fold-thrust belt, Bulgaria	E. Balkanska, I. Gerdjikov, S. Georgiev, A. Lazarova & A. Kounov	
Research of deep crustal structures by electromagnetic sounding and other geophysical methods in the northern part of Slovakia	V. Bezák, J. Vozár, D. Majcin, M. Bielik, D. Bilčík, J. Pek, R. Klanica & J. Telecký	
Neogene exhumation and denudation of the Central Western Carpathian nappe units in the Danube Basin	T. Csibri, M. Kováč & S. Rybár	
Hydrothermal amphiboles from Na–Ca and Na–Ca–K–Silicate alterations: An example from Elatsite porphyry copper-gold deposit, Bulgaria	H. Georgieva, R. Nedialkov & I. Krumov	
Mineralogy of Nb–Ta-bearing apatite–cordierite metasomatised metabasite from Mostovyi ore occurrence (Ukrainian Shield)	N. Lyzhachenko, S. Kurylo, S. Bondarenko & V. Syomka	
Hybrid I/S nature of Prašivá granite type, Low Tatra pluton – evidence from mineralogical data	M. Maraszewska, I. Broska & S. Kurylo	
The Wechsel Gneiss Complex of Eastern Alps: A Cambrian continental arc and its Early Proterozoic hinterland	F. Neubauer, Y. Liu, S. Yuan, S. Yu, J. Genser, B. Liu & Q. Guan	
Meteorite Smolenice – a new iron of IVA group from Slovakia	D. Ozdín, M. Gargulák, P. Povinec, S. Strekopytov, V. Porubčan & Š. Farsang	
The contact of the Bohemian Massif, Western Carpathians and Eastern Alps: Density modelling	L. Šamajová, J. Hók, M. Bielik & T. Csibri	
The Cergowa Sandstone at Stasiana and Iwla – an example of turbidity hyperpycnal flow deposits in the Outer Carpathians (Dukla region)	P. Siwek & M. Wendorff	
Orogenic wedging and basin formation in the Central Western Carpathians: New insights from Súľov–Domaníža and Žilina–Rajec basins	J. Soták, M. Kováč, D. Plašienka & R. Vojtko	
Provenance of natural chalk used in ground layers of the Bohemian Gothic paintings determined by nanofossils	L. Švábenická & R. Šefců	