

SCIENTIFIC PROGRAM OF THE IEC-2019

Lectures of the invited keynote speakers are 30 minutes (27 minutes + 3 minutes discussion). Ordinary talks are scheduled for 15 minutes (12 minutes + 3 minutes discussion).

June 24th, Monday			
	13:45	Opening Ceremony	
			Session: The Chemical Geodynamics and modeling of Subduction Zones Conveners: V.S. Shatsky, Y.-F. Zheng
		Speaker	Title of the talk
keynote	14:00	<u>Zheng, Y.F.</u> , Chen, R.-X.	Zircon in orogenic peridotites records crustal recycling in continental subduction zones
keynote	14:30	<u>Groppo, C.</u> , Ferrando, S., Rolfo, F., Botta, S., Gilio, M.	Tales from the neighbourhood: new insights from the HP units adjacent to the UHP Brossasco-Isasca Unit, Western Alps
	15:00	<u>De Hoÿm de Marien, L.</u> , Pitra, P., Poujol, M., Cogné, N., Van Den Driessche, J., Cagnard, F., Le Bayon, B.	Partial melting of Variscan eclogites: petrological and geochronological constraints from the French Massif Central
	15:15	<u>Chen, R.-X.</u> , Li, K., Zheng, Y.-F.	The existence of carbonate and silicate melts in UHP eclogite from Erzgebirge in central Europe
	15:30	<u>Perchuk, A.L.</u> , Zakharov, V.S., Gerya, T.V., Brown, M.	Were subduction styles, magmatism and P–T–t paths different at elevated mantle temperatures? Results of 2-D petrologic thermal-mechanical modeling
	15:45	<u>Cuthbert, S.J.</u>	Exploratory modelling of common crustal rock densities at ambient eclogite facies P-T conditions and some natural examples in a giant UHP terrain: Implications for buoyancy and collision tectonics
	16:00	<u>Hernández-Uribe, D.</u> , Palin, R.M.	A revised petrological model for subducted oceanic crust: Insights from phase equilibrium modeling
			Coffee break
			Session: The eclogites in orogenic belts: geodynamic consequences Conveners: P.J. O'Brien, S.J. Cuthbert
keynote	16:35	<u>Tsujimori, T.</u> , Morita, I., Boniface, N., Aoki, K., Aoki, S.	Timescale of eclogite-to-granulite transition in continental collision zones
	16:50	<u>O'Brien, P.J.</u>	Carpholite- to coesite- to kyanite- to cordierite-stage: indicator minerals as proxies for the tectonometamorphic evolution of the Himalayan orogen
	17:05	<u>Li, X.-P.</u> , Kong, F.-M.	The garnet amphibolites from the Xigaze ophiolite, southern Tibet and their metamorphic evolution: Do they represent retrogressed eclogite?
	17:20	<u>Dong, J.</u> , Wei, C., Zhang, J.	Ultra-deep subduction and fluid behaviour of felsic and mafic granulites from the South Altun orogen, W China
	17:35	<u>Ren, Y.F.</u> , Chen, D.L., Zhu, X.H., Wang, H.J.	Two orogenic cycles recorded by eclogite and host gneiss in North Qaidam orogenic belt, NW China
	17:50	<u>Zhang, J.</u> , Zhou, G., Lu, Z., Mao, X., Teng, X.	Contrasting metamorphic evolutions of early Paleozoic UHP metamorphic rocks in the North Qaidam Mountains, northwestern China: Insight for exhumation mechanism of deeply subducted rocks
	18:05	<u>Liu, L.</u> , Chen, D. L., Zhang, C. L., Kang, L., Liao, X. Y., Ren, Y. F., Gai, Y. S.	New evidence of ultra-deep continental subduction to mantle depths in stishovite stability field and its possible mechanism of exhumation
June 25th, Tuesday			
			Session: The Microstructures and Microchemistry of High-Pressure and Ultra-High-Pressure Minerals Conveners: H.L.M. van Roermund, H.-P. Schertl
		Speaker	Title of the talk
keynote	9:30	<u>Dobrzhinetskaya, L.F.</u>	Ultrahigh Pressure Metamorphism: Insights from Natural Mineralogical Assemblages and Experiments
	10:00	<u>Bidgood, A.K.</u> , Parsons, A.J., Lloyd, G.E., Waters, D.J., Goddard, R.M.	EBSD analysis of palisade quartz textures: implications for coesite-quartz transformation, Tso Moriri dome, Himalaya
	10:15	<u>Klonowska, I.</u> , Jeanneret, P., Holmberg, J., Majka, J.	Elastic and trace element geothermobarometry – quartz inclusions in garnet on the trail of the P-T path for the Lower Seve Nappe rocks, Scandinavian Caledonides
	10:30	<u>Godard, G.</u> , Palmeri, R.	Quartz with traces of amorphization: a diffusion limited form of coesite retrogression?

10:45	<u>Spengler, D.</u> , Alifirova, T.A., van Roermund, H.L.M., Massonne, H.-J.	Systematics of oriented inclusions in garnet from pyroxenite in Mg-Cr type peridotites from the Western Gneiss Region, Norway
Coffee break		
Session: The Microstructures and Microchemistry of High-Pressure and Ultra-High-Pressure Minerals Conveners: H.L.M. van Roermund, H.-P. Schertl		
11:15	<u>Angiboust, S.</u> , Hyppolito, T., Cambeses, A., Raimondo, T., García-Casco, A.	Rehydration of eclogites and garnet-replacement processes during exhumation in the amphibolite facies
11:30	<u>Borghini, A.</u> , Ferrero, S., O'Brien P.J., Wunder, B., Laurent, O., Günter, C. and Ziemann, M.A.	Preserved glass and crystallized melt inclusions in the coesite-bearing UHP eclogite of the Erzgebirge (Bohemian Massif)
11:45	Chen, A.-P., <u>Yang, J.-J.</u>	Epidote spherulites and radial euhedral epidote aggregates in a metavolcanic breccia in the Dabie UHP metamorphic belt (China): implication for dynamic metamorphism
12:00	<u>Liu, J.B.</u> , Gao, Y.J., Cheng, N.F., Wu, Y.	TEM observations of diamond-bearing vugs in melt inclusions of zircons from stromatic migmatites of Sulu UHP terrain
12:15	<u>Korsakov, A.V.</u> , Rezvukhina, O.V., Jaszczak J.A., Rezvukhin, D.I., Mikhailenko, D.S., Musiyachenko K.A., Mikhno A.O.	Natural Graphite Cuboids: Implication to UHPM complex
Lunch break		
Session: Garnet Peridotites and Mantle Eclogites Conveners: L.F. Dobrzhinetskaya, N.P. Pokhilenko		
	Speaker	Title of the talk
keynote	14:00 <u>Faryad, S.W.</u>	Precursors and pressure evolution of garnet peridotites and mantle eclogites from orogenic zones
keynote	14:30 <u>van Roermund, H.L.M.</u>	A re-evaluation of the mantle and crustal evolution of garnet peridotites from the northern UHP domain of the western Gneiss Region, SW Norway
	15:00 Yu, M., <u>Wang, Q.</u> , Yang, J.S.	Fabrics and water contents of peridotites from the Luobusa ophiolite in Tibet: implications for recycling of suprasubduction zone peridotites
	15:15 <u>Pokhilenko, N.</u> , Agashev, A., Pokhilenko, L.	Carbonatite and silicate metasomatism of peridotites of the cratonic lithosphere roots in relation with intensity and types of kimberlite magmatism
	15:30 <u>Mikhailenko, D.S.</u> , Korsakov, A.V., Golovin, A.V., Alifirova, T.A., Aulbach, S.	High-ferrous olivine in coesite-bearing diamondiferous eclogite from kimberlite pipe Udachnaya (Siberia, Russia)
Coffee break		
Session: Garnet Peridotites and Mantle Eclogites Conveners: L.F. Dobrzhinetskaya, N.P. Pokhilenko		
	16:00 <u>Alifirova, T.A.</u> , Mikhailenko, D.S., Rezvukhin, D.I., Aulbach, S., Golovin, A.V., Korsakov, A.V., Oleinikov, O.B.	C-O-H metasomatism recorded in graphite-bearing garnet websterite from the Obnazhennaya kimberlite, Yakutia, Russia
	16:15 <u>Cano, E.J.</u> , Sharp, Z.D.	Application of the triple oxygen isotope system to mantle materials
	16:30 <u>Shatsky, V.S.</u> , Zedgenizov, D.A., Ragozin, A.L.	Alluvial diamonds from northeast of Siberia craton: evidence for formation in subduction environment
	16:45 <u>Pokhilenko, L.</u> , Tomilenko, A., Bulbak, T., Logvinova, A., Pokhilenko, N.	Volatiles in diamonds from eclogite UV2440: evidence of different growth conditions
	17:00 <u>Zedgenizov, D.A.</u> , Kagi, H., Shatsky, V.S.	Deeply subducted crustal environments in sublithospheric mantle: evidences from superdeep diamonds
	17:15 <u>Kalashnikova, T.</u> , Solovieva L., Kostrovitsky S.	The eclogite xenoliths from Obnazhennaya kimberlite pipe as evidence of subduction processes in the lithospheric mantle under northern Siberian Craton
17:30-17:40	Walk to the poster session hall	
17:40-19:45	POSTER PRESENTATIONS	Poster format Format is A1 of landscape or portrait orientation, and layout free.

June 27th, Thursday

Session: **The eclogites in orogenic belts: geodynamic consequences**
 Conveners: D.C.C. Castelli, S.W. Faryad, T. Tsujimori

	Speaker	Title of the talk
9:30	<u>Massonne, H.-J.</u>	Is there sufficient proof of diamond in crustal rocks formed by regional metamorphism?
9:45	<u>Möller, C.</u> , Williams, D., Brueckner, H., Szilas, K., Johansson, L., Naeraa, T., Whitehouse, M.	Eclogite, garnet peridotite, and amphibolite complexes in the Precambrian basement of Vestranden (northernmost Western Gneiss Region), western Norway
10:00	<u>Zhou, X.W.</u> , Zhao L.	High pressure granulites and retrograded eclogite from the Badu Complex of the Cathaysia Block, South China
10:15	<u>Willner, A.P.</u> , Anczkiewicz, R., Glodny, J., Pohlner, J.E., Sudo, M., van Staal, C.R. & Vujovich, G.I.	PTt-paths of high pressure metamorphic rocks in the Sierra Pie Palo (W-Argentina): evolution of a flat exhumation wedge during a continent-arc collision
10:30	<u>Schenk, V.</u> , Sarkar, T.	Paired metamorphic belts in the Usagaran orogen of Tanzania: evidence for one-sided oceanic subduction in the Palaeoproterozoic
10:45	<u>Schertl, H.-P.</u> , Dreizler, M., Chopin, C., Willner, A.P., Maresch, W.V.	Jadeite-rich rocks and their blueschist host from Queyras (Pennine Units), Western Alps, France: The neglected locality
11:00	<u>Pilitsyna, A.V.</u> , Degtyarev, K.E., Tretyakov, A.A.	First find of phengite eclogites and garnet-glaucophane schists associated with jadeitites in the Kenterlau-Itmurundy serpentinite mélange (North Balkhash ophiolite zone; Central Kazakhstan)

Coffee break

Session: **The eclogites in orogenic belts: geodynamic consequences**
 Conveners: D.C.C. Castelli, S.W. Faryad, T. Tsujimori

11:30	<u>Slabunov, A.I.</u> , Balagansky, V.V., Shchipansky A.A.	Archean-Paleoproterozoic crustal evolution the Belomorian Province (north-eastern Fennoscandian Shield) and position of eclogites
11:45	<u>Shchipansky, A.A.</u> , Sidorov, M.Yu., Balagansky, V.V.	Vestigial UHP mineral assemblages in the Archean rocks from the Kuru-Vaara quarry, Belomorian Province, Kola Peninsula, Russia
12:00	<u>Balagansky, V.V.</u> , Maksimov, O.A., Gorbunov, I.A., Kartushinskaya, T.V., Mudruk, S.V., Sidorov, M.Yu., Sibelev, O.S., Slabunov, A.I.	Older and younger eclogites in the Belomorian province, Fennoscandian shield: an example from the Gridino area

Lunch break

Session: **The Chronology of Eclogite Facies Metamorphic Rocks**
 Conveners: H. Cheng, C. Möller

	Speaker	Title of the talk
13:45	<u>Zhang, L.J.</u> , Zhang, L.F., Chu, X., Wang, Y., Lü, Z.	Ultrahigh pressure metamorphism and tectonic evolution of southwestern Tianshan orogenic belt, China
14:00	<u>Melnik, A.E.</u> , Skublov, S.G., Berezin, A.V., Rubatto, D., Li, X.-H., Li, Q.-L., Herwartz, D., Machevariani, M.M.	Kuru-Vaara eclogites of the Belomorian Province, Fennoscandian Shield: ages of protolith and metamorphism
14:15	<u>Pitra, P.</u> , Bretagne, E., Driessche, J., Lotout, C., Poujol, M., Bosse, V., Cogné, N.	Deceiving zircon REE patterns and U-Pb dates from migmatite-hosted eclogites (Montagne Noire, France)
14:30	<u>Sheng, Y.-M.</u> , Xia, M., Li, Q.-L.	Zircon U-Pb and O isotope response to differential fluid environments during continental subduction-zone metamorphism

14:45	<u>Gai, Y.S.</u> , Liu, L., Luo, J.L., Kang, L., Cao, Y.T., Ma, T., Liao, X.Y.	Multi-stage metamorphic events of HP rocks in Danshuiquan, south Altyn Tagh, implications for differential exhumation
15:00	<u>Kośmińska, K.</u> , McClelland, W.C., Majka, J., Fassmer, K., Coble, M.A.	U-Pb and Lu-Hf geochronology of blueschist and eclogite from the Vestgötabreen Complex, Svalbard
15:15	<u>Li, X.</u> , Yu, H., Liu, F., Zhang, L., Wei, C.	New perspectives on the metamorphic ages and P-T path of Belomorian eclogites, Russia
15:30	GENERAL DISCUSSION CLOSING CEREMONY	