

ECROFI 2019 DETAILED PLENARY PROGRAM		
	Monday 24 th June	
Session	08:30-09:00	Opening Ceremony
3	09:00-09:30	Ferrando, S. «KEYNOTE» UHP fluid inclusions: indicators of the petrological and geochemical role of the fluids released at sub-arc depths
3	09:30-09:45	Kovács, I. et al. » The 'pargasosphere' concept: the fluid-solid 'ping-pong' along major discontinuities of the shallow upper mantle and its bearing on global plate tectonics
3	09:45-10:00	Bakker, R.J. & Puskarev, E. » Fluids in granulitic garnetites: high density CH ₄ fluids versus H ₂ O-CO ₂ bearing cordierites, Khabarny Massif (Ural, Russia)
3	10:00-10:15	Liptai, N., Berkesi, M., Patkó, L., Griffin, W.L., O'Reilly, S.Y. & Szabó, Cs. » Combined application of Raman spectroscopy and focused ion beam – scanning electron microscopy on silicate melt inclusions to track metasomatism in spinel peridotite xenoliths
3	10:15-10:30	Remigi S., Frezzotti M.L. & Ferrando S. » Generation of CO ₂ - SO ₂ fluxes in the lithospheric mantle beneath El Hierro (Canary Islands) on metasomatic reactions of carbonate-rich silicate melts
Session	10:30-11:00	Coffee break Monday 24 th
1	11:00-11:30	Lowenstein, T.K. et al. «KEYNOTE» Seafloor hydrothermal systems control seawater chemistry: evidence from fluid inclusions in halite
1	11:30-11:45	Pironon, J. » Fluid inclusions in sedimentary basins: Coupling to basin modeling for time and overpressure estimates
1	11:45-12:00	Sendula, E., Gill, B.C., Weldeghebriel, M.F., Lowenstein, T.K. & Bodnar, R.J. » Trace element behavior during evaporation of seawater
1	12:00-12:15	Wang, X.T., Chen, Y. & Zhou, Y.Q. » Fluid inclusions in Eocene rock salt from the Dongying Depression, Bohai Bay Basin, eastern China: Records on paleolake, paleoclimate and hydrocarbon associations
1	12:15-12:30	Fan, J.J., Liu, S.B., Lu, X.S., Meng, Q.Y. & Zhuo, Q.G. » Hydrocarbon migration and accumulation characterization in Yinan-2 gas reservoir, Kuqa depression (Tarim Basin, China)
Session	12:30-14:00	Lunch Monday 24 th
1	14:00-14:15	Fall, A., Dennis, P.F., Gale, J.F.W. & Ukar, E. » Paleotemperature constraints of calcite fracture cementation in shale: a comparison of fluid inclusion and carbonate clumped isotope thermometry
1	14:15-14:30	Dublyansky, Y., Scholz, D. & Spötl, C. » Spatial pattern of stable isotope composition of Holocene precipitation across Eurasia: a fluid inclusion study of speleothems
1	14:30-14:45	Czuppon, Gy. et al. » The 8.2 k.y. event recorded in speleothem from Central Europe: unusual stable isotope composition of fluid inclusions
1	14:45-15:00	Cipriani, M., Costanzo, A., Feely, M. & Dominici, R. «student grant» Climate variations during the Messinian: evidence from fluid inclusion studies of Selenite deposits from Calabria, Southern Italy

1	15:00-15:15	Elias-Bahnan, A., Carpentier, C., Pironon, J. & Gaucher, E.C. » Fluid circulations and diagenesis of carbonate reservoirs in a foreland basin: evidences of thermal disequilibrium between fluid and host rocks
1	15:15-15:30	Chen, Y., Ge, Y.J., Zhou, Y.Q. & Zhou, Z.Z. » Effect of petroleum charge on diagenesis of reservoir: evidence from synthesized fluid inclusions
Session	15:30-16:00	<i>Coffee break Monday 24th</i>
1	16:00-16:15	Koltai, G., Krüger, Y., Kluge, T., Leél-Őssy, Sz., Spötl, C. & Dublyansky Y. » How warm? An intercalibration of novel geothermometry methods for calcite
5	16:15-16:30	Bain, W.M. et al. » Apatite, magnetite, and inclusion compositions from the Buena Vista deposit, Nevada (USA): Implications for a new genetic model for Kiruna-type deposits
5	16:30-16:45	Adlakha, E., Kennedy, N., McNeil, N., Hanley, J., Kerr, M. & Baldwin, G. » Fluid inclusion systematics and mineralogy of the Unique Nictaux Falls Dam Co-Ni-As-Au (\pm Ag, Bi) occurrence, Meguma Terrane, Nova Scotia, Canada
5	16:45-17:00	Haniççi, N., Kasapçi, C. & Öztürk, H. » Sulphur isotope and microthermometric characteristics of the carbonate-replacement type (CRD) Altınoluk Pb-Zn-Cu \pm Au \pm Ag deposit, NW Turkey
5	17:00-17:15	Prokofiev, V. et al. » Exceptionally Au-rich fluid inclusions: detection of gold nanoparticles
5	17:15-17:30	Maia, M., Moreira, N., Mirão, J., Noronha, F. & Nogueira, P. » Fluid inclusion study of Cu-rich deposits from the Sousel-Barrancos metallogenic belt (Ossa-Morena Zone, Portugal)
	17:30-19:00	<i>Poster session Monday 24th</i>
Session		<i>Tuesday 25th June</i>
5	08:30-09:00	Mercadier, J. «KEYNOTE» LA-ICP-MS for fluid inclusion analysis: current capabilities and application cases
5	09:00-09:15	Koděra, P., Kubač, A., Uhlík, P., Laurent, O., Fallick, A.E. & Milovský, R. » Fluid properties of an unusual epithermal gold deposit hosted by a shear zone, Banská Hodruša, Slovakia
5	09:15-09:30	Bozkaya, G., Banks, D.A. & Bozkaya, O. » Colloidal gold in epithermal mineralizing fluids
5	09:30-09:45	McFall, K.A., McDonald, I. & Tattitch, B. » Primary volatiles in the Northern Limb of the Bushveld Complex and their effect on PGE mineralisation
5	09:45-10:00	Kerr, M.J., Hanley, J.J., Kontak, D.J., Ramlochund, P. & Zajacz, Z. » Fluid inclusion and microtextural evidence for efficient gold precipitation from Au-undersaturated fluids via coupled redox-pH change
5	10:00-10:15	Neyedley, K., Hanley, J.J., MacHattie, T., Zajacz, Z., & Tsay, A. » Constraints on magma metal fertility from silicate and sulfide melt inclusions in mineralized volcanic and intrusive rocks in the northeastern Cobequid Highlands, Nova Scotia, Canada
Session	10:15-10:45	<i>Coffee break Tuesday 25th</i>
2	10:45-11:15	Portnyagin, M.V. et al. «KEYNOTE» Recent advances in experimental studies with melt inclusions at controlled P-T-fO ₂ -aH ₂ O conditions

2	11:15-11:30	Bali, E., Aradi, L.E., Szabó, Á., Szabó, Cs., Friðleifsson, G.Ó. & Zierenberg, R. » Fluid composition in the deepest part of the IDDP-2 deep borehole in Iceland, based on fluid inclusions
2	11:30-11:45	Guzmics, T., Berkesi, M. & Szabó, Cs. » Natrocarbonatites: A product of three-phase immiscibility
2	11:45-12:00	Berkesi, M., Bali, E., Szabó, Cs. & Guzmics, T. » Extremely alkaline carbonatite melts at Oldoinyo Lengai: A melt inclusion study
Session	12:00-13:40	<i>Lunch Tuesday 25th</i>
4	13:40-14:00	Chou, I-M. » Acquisition of equations of state of aqueous solutions by using hydrothermal diamond-anvil cell, fused silica capillary optical cell and Raman spectroscopy
4	14:00-14:15	Zhong, R.C. et al. » Unexpected high-temperature behaviors of sulfate-water systems and their implications for rare earth mineralization
4	14:15-14:30	Le, V.H., Caumon, M.C., Tarantola, A., Randi, A., Robert, P. & Mullis, J. » Determination of composition, pressure and density of CO ₂ -CH ₄ gas mixtures by Raman spectroscopy. Application to natural fluid inclusions from the Central Alps, Switzerland
4	14:30-14:45	Tarantola, A., Rigaudier, T. & Randi, A. » TC-EA analysis of hydrogen isotopes in fluid inclusion water at the thick-section scale
4	14:45-15:00	Mangenot, X., Tarantola, A., Chailan, O., Girard, J-P., Mullis, J. & Eiler, J.M. » Clumped isotope composition of CH ₄ released by crushing methods from quartz of the external part of the Central Alps (Val d'Illicez, Switzerland)
Session	15:00-15:30	<i>Coffee break Tuesday 25th</i>
5	15:30-15:45	Van den Kerkhof, A.M., Sosa, G. M., Lüders, V., Plessen, B. & Montenegro, T. » Fluid inclusion and stable isotope geochemistry of rare-metal pegmatites, Sierra Grande de San Luis, Argentina
5	15:45-16:00	Hanley, J. et al. » Polymetallic U-Ag-Ni-Co-Bi vein deposits in the Northwest Territories, Canada: the product of heating and oxidation of marine evaporite brines and metal-enriched hydrocarbons within crystalline basement
5	16:00-16:15	Diamond, L.W. & Richter, L. » Identifying deep hydrothermal fluids that leach metals from the oceanic crust and generate seafloor VMS deposits
5	16:15-16:30	Richter, L., Diamond, L.W. & Pettke, T. » The composition of magma-derived fluids in the oceanic crust
5	16:30-16:45	Marshall, D., Nicol, C.A. & Greene, R. » Fluid inclusion evidence for gold deposition during boiling at shallow-water depths in initially deep-water volcanogenic massive sulphide systems: a potential evolutionary link between marine and epithermal gold systems
	16:45-17:00	Quatela, A. » HORIBA
	17:00-18:15	<i>Poster session Tuesday 25th</i>
Session	<i>Wednesday 26th June</i>	
4	08:30-09:00	Steele-MacInnis, M. & Brooks, H.L. «KEYNOTE» Solubilities of minerals in hydrothermal saline fluids
4	09:00-09:15	Bakker, R.J. » Proper iso-Th curves in the H ₂ O-NaCl system
4	09:15-09:30	Klyukin, Y.I., Steele-MacInnis, M., Tutolo, B., Pujatti, S., Lecumberri-Sanchez, P. & Bodnar, R.J. » Critical homogenization of low-salinity fluid inclusions: Modeling, heating experiments, and oddities

4	09:30-09:45	Sublett, D.M., Sendula, E., Lamadrid, H., Steele-MacInnis, M., Spiekermann, G. & Bodnar, R.J. » Raman-based N ₂ , CH ₄ , and CO ₂ densimeters and barometers from the liquid-vapor curve to elevated temperatures and pressures
2	09:45-10:00	Damdinov, B.B. & Damdinova, L.B. » Fluid inclusion study of the Eastern Sayan orogenic gold deposits
Session	10:00-10:30	<i>Coffee break Wednesday 26th</i>
2	10:30-10:45	Krasheninnikov, S.P. et al. » New experiments on Fe ³⁺ /Fe ²⁺ re-equilibration in olivine-hosted melt inclusions
2	10:45-11:00	Andreeva, O.A., Andreeva, I.A. & Yarmolyuk, V.V. » Magmatic evolution of Wang-Tian'e volcano (NE China): silicate liquid immiscibility or Fenner-type of crystal fractionation?
2	11:00-11:15	Nikogosian, I.K., Bracco Gartner, A.J.J., Ersoy, Ö. & Van Bergen, M.J. » Heterogeneous deep source versus shallow crustal imprints in the petrogenesis of kamafugites from San Venanzo volcano, Italy
2	11:15-11:30	Sosa, G., Van den Kerkhof, A. M. & Oriolo, S. » Ferropyrosmalite-bearing fluid inclusions in the North Patagonian Andes metasedimentary basement, Argentina: A record of post-metamorphic metasomatism
2	11:30-11:45	Bracco Gartner, A.J.J., Nikogosian, I.K., Luciani, N., Davies, G.R. & Koornneef, J.M. » Coupled Sr-Nd-Pb isotope and trace element ratios in olivine-hosted melt inclusions from subduction-related magmatism in central Italy
2	11:45-12:00	Capriolo, M. et al. » Deep carbon in CAMP and the T-J mass extinction: new perspectives on LIPs through melt inclusions
Session	12:00-13:30	<i>Lunch Wednesday 26th</i>
2	13:30-13:45	Mironov, N.L., Portnyagin M.V., Tabelko D.P., Smirnov S.Z., Krasheninnikov S.P. & Gurenko A. » Initial CO ₂ content of parental arc magmas of Karymsky volcano (Kamchatka) inferred from study of olivine-hosted melt inclusions
2	13:45-14:00	Jarmolowicz-Szulc, K., Dumańska-Słowik, M. & Tobiła, T. » Fluid inclusion characteristics of amethyst from Morocco
2	14:00-14:15	Gajdošová, M., Huraiová, M. & Huraj, V. «student grant» Fluid inclusion study and burial depth of deep-seated Evate carbonatite deposit
2	14:15-14:30	Caracciolo, A., Bali, E., Guðfinnsson, G. H., Kahl, M.1 & Halldórsson, S. A. «student grant» Melt inclusion constraints on the plumbing architecture of the Bárðarbunga-Veiðivötn volcanic system, Iceland
	14:30-15:45	Plenary discussion & Closing ceremony