



Asian Current Research on Fluid Inclusions IX (ACROFI IX)

Biennial Meeting of Fluid and Melt Inclusion Researchers

SECOND ANNOUNCEMENT

Hosted and Organized by the
Nanjing University



December 12-13, 2022

Nanjing, China

Program

Asian Current Research on Fluid Inclusions IX (ACROFI IX)

12th - 13th December 2022, Nanjing

12th December, Monday	
16:00 Opening Ceremony	
Chair: Prof. Pei Ni	
Welcome remarks from Prof. Yanqing Lu, Vice President of Nanjing University	
16:10 Oral Session	
Conveners: Prof. Hongrui Fan, Prof. Sergey Smirnov	
16:10-16:40	<u>Plenary Lecture</u> Rainer Thomas Direct interaction of mantle and crust via supercritical fluids: a novel, very rapid trans-crustal transport mechanism
16:40-17:10	<u>Plenary Lecture</u> Sergey Smirnov Dehydration partial melting of immature island-arc crust as a magma source for powerful caldera-forming eruptions: melt and fluid inclusion study of Pleistocene dacitic pumices from Southern Kuril Islands
17:10-17:35	<u>Keynote Lecture</u> Jiuhua Xu Supercritical fluids as recorded in quartz phenocrysts of the Late Jurassic porphyritic granitic dyke in the Dongping gold deposit, Northern Hebei, China
17:35-17:55	Xinghui Li Thermodynamic modeling of fluids in orogenic gold deposits to constrain the formation of fluid inclusions and quartz veins
17:55-18:25	<u>Plenary Lecture</u> Rosario Esposito A protocol to interpret volatile contents of magmas recorded by melt inclusions
18:25-18:45	Pan Qu Apatite fingerprints on the magmatic-hydrothermal evolution of the Daheishan giant porphyry Mo deposit, NE China
18:45-19:05	Mingsen Fan Yanshanian multiple gold-mineralizing events in Zhenghe, South China: Evidence from mineralization, fluid inclusion and geochronology

19:05-19:25	Jianming Cui Tungsten mineralization formed by single-pulsed magmatic fluid
19:25-20:05 Short break	
Conveners: Prof. Xiaodong Liu, Prof. Jan Marten Huizenga	
20:05-20:35	<u>Plenary Lecture</u> Jan Marten Huizenga High-density CO ₂ fluid inclusions in ultrahigh temperature granulites from the Bakhuis granulite terrane (Surinam, South America)
20:35-21:00	<u>Keynote Lecture</u> Yuling Xie The physical and chemical properties of carbonatite fluid and the REEs enrichment during carbonatite melt-fluid evolution
21:00-21:20	Daohan Zhang Postentrapment Modifications of Fluid Inclusions in Quartz
21:20-21:40	Yi Zheng Large-Scaled Structure-Geofluids-Alteration-Mineralization Mapping of the Hydrothermal Deposits: Basic Principle and Precautions
21:40-22:00	Wenqing Huang Geochronology and fluid inclusion characterization of a marble-hosted ruby deposit from Yunnan Province, China
22:00-22:30	<u>Plenary Lecture</u> Robert J. Bodnar “Pure CO ₂ ” fluid inclusions: recognition and interpretation
22:30-22:50	Zihao Zhao Intermediate-sulfidation epithermal Pb-Zn mineralization and prospecting exploration in Xianhualing district, North Huaiyang: Insight from fluid inclusion and LA-ICP-MS analysis
22:50-23:10	Zhuang Min Study on Structure-fluid Control of Jiadi Gold Deposit in Southwest Guizhou
23:10-23:30	Sakthi Saravanan Chinnasamy Fluid characteristics and P-T conditions of gold mineralization at Joga, Sandur greenstone belt India: Evidence from fluid inclusion study
13th December, Tuesday	
Conveners: Prof. Xiaodong Liu, Prof. Benedetto De Vivo	
16:00-16:30	<u>Plenary Lecture</u> Benedetto De Vivo FI & MI on the study of high risk active volcanoes: Campi Flegrei and Mt Somma-Vesuvius (Naples, Italy)
16:30-16:50	Qihai Shu Fluid nature, metal deposition mechanisms, and mineralization potential of a Zn-Pb skarn system: evidence from fluid inclusion compositions
16:50-17:10	Haizhen Wei Chlorine isotope fractionation in ore-forming fluids and its implication for

	polymetallogenic processes
17:10-17:40	<u>Plenary Lecture</u> Yanbo Cheng An overview and outlook of granite-related Sn and W mineral systems
17:40-18:00	Li Zhou Preliminary tests on synthetic fluid inclusions in quartz with hot-seal pressure vessels
18:00-18:20	Siwen Li Properties of MVT ore-forming fluids - simulation experiment
18:20-18:50	<u>Plenary Lecture</u> Junyi Pan Formation of vein-type W and Sn deposits: a fluid inclusion perspective
18:50-19:10	Yulong Yang Episodic fluid evolution in the formation of the large scale Luoyang Fe deposit, Fujian, Eastern China
19:10-19:30	Pengpeng Yu Trace elements and sulfur-lead isotopes behavior in metamorphosed volcanogenic massive sulfide (VMS) mineralization systems
19:30-20:10 Short break	
Conveners: Prof. Jiuhua Xu, Prof. Mruganka Kumar Panigrahi	
20:10-20:40	<u>Plenary Lecture</u> Mruganka Kumar Panigrahi Reflections of a tortuous journey through Fluid Inclusion research over the past three decades
20:40-21:05	<u>Keynote Lecture</u> Feiyu Wang Phase Fractionation and Formation of Oil Inclusions in Sedimentary Basins
21:05-21:25	Hongwei Ping A new method to reconstruct P-T trapping conditions of hydrocarbon fluid inclusions in sedimentary basins
21:25-21:45	Xiaoli Wu Gas generation potential of Ordovician carbonate of Ordos Basin, North China: indicated by H ₂ S-rich hydrocarbon inclusions
21:45-22:05	Miao Wang Formation of Bed-parallel fibrous veins in organic-rich shales and their records for episodic oil expulsion
22:05-22:35	<u>Plenary Lecture</u> Guoxiang Chi Back to the roots: advances, problems and perspective of fluid inclusion studies
22:35-22:55	Wensheng Li Co-genetic formation of scheelite- and wolframite-bearing quartz veins in the Chuankou W deposit, South China: Evidence from individual fluid inclusion and geochronology studies
22:55-23:15	Yongkang Chen

	Fluid evolution and metallogenic mechanism of the Xianghualing Sn-poly-metallic deposit, South China: Evidence from petrography, fluid inclusions and cassiterite geochemistry
23:20 Closing Ceremony	
Chair: Prof. Hongrui Fan	
Prof. Pei Ni, Summary of Asian Current Research on Fluid Inclusions IX	

Information For participating ACROFI IX

- Topic: Asian Current Research on Fluid Inclusions IX (ACROFI IX)

Time: Dec. 12th, 2022 (16:00-24:00) (Beijing)

Join Zoom Meeting

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Meeting ID: 820 5712 5062

Passcode: 916842

- Topic: Asian Current Research on Fluid Inclusions IX (ACROFI IX)

Time: Dec. 13th, 2022 (16:00-24:00) (Beijing)

Join Zoom Meeting

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FGY0VFYlpMdz09

Meeting ID: 846 9948 5328

Passcode: 013864

- Koushare live: <https://www.koushare.com/topicIndex/i/ACROFI-IX>

