

THE 2019 INTERNATIONAL SYMPOSIUM ON LOW-TEMPERATURE MINERALIZATION

Guiyang, Guizhou Province, China

October 19-21, 2019

(First circular)



矿床地球化学国家重点实验室
STATE KEY LABORATORY OF ORE DEPOSIT GEOCHEMISTRY



Low-temperature mineralization is defined as hydrothermal mineralization with ore-forming temperature between ~100 and 250°C. Low-temperature ore deposits formed by low-temperature mineralization, typically including MVT Pb-Zn, Carlin-type Au-(As)-(Sb)-(Hg)-(Tl), and vein-type Sb, Hg and Au deposits, as well as some sediment-host Mo, V, REE, and epithermal Au, Ag, Pb-Zn deposits, etc. These deposits provide huge amounts of world supply of Pb, Zn, Hg, Sb, Au, As, Tl, and etc. Although low-temperature mineralization occurs widely in the world, low-temperature metallogenic domain is very limited. The currently widely accepted low-temperature metallogenic domains include the middle and western USA and southern China metallogenic domains. The former one is composed of MVT Pb-Zn and Carlin-type Au metallogenic provinces, with Carlin-type Au deposits constituting the second largest concentration of Au in the world. However, the southern China metallogenic domain contains also vein-type Sb, Hg, and Au, in addition to MVT Pb-Zn and Carlin-type Au-(As)-(Sb)-(Hg)-(Tl) metallogenic provinces. What factor controlling the occurrence of low-temperature metallogenic domain remains an enigma for economic geologists.

In the last decade, numerous (ultra-)large low-temperature ore deposits were discovered, mainly in the two low-temperature metallogenic domains mentioned above, and lots of studies were carried out on these deposits. The wide ranging achievements have improved our understanding of the geodynamic setting, source of metal and fluid, ore-forming element transportation, and metal enrichment mechanisms of the low-temperature mineralization system.

To summarize the latest research progresses and promote academic communication, the State Key Laboratory of Ore Deposit Geochemistry, Institute of Geochemistry, Chinese Academy of Sciences will be sponsoring the 2019 International Symposium on Low-temperature Mineralization during October 19-21, 2019, in Guiyang, China. We welcome contributions from both academia and industry that is related to geological setting and ore-forming process of low-temperature mineralization.

Date & Location

Date: October 19-21st, 2019

Location: Institute of Geochemistry, Chinese Academy of Sciences,

No.99 Lincheng West Road, Guanshanhu District, Guiyang,

Guizhou Province, China

Organizing committee

Chairman: Prof. Ruizhong Hu

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Head of State Key Laboratory of Ore Deposit Geochemistry, China

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Hanjie Wen	Institute of Geochemistry, China
Hecai Niu	Guangzhou Institute of Geochemistry, China
Hongrui Fan	Institute of Geology and Geophysics, China
Huayong Chen	Guangzhou Institute of Geochemistry, China
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Jeremy Richards	Laurentian University, Canada
Jiaxi Zhou	Yunnan University
Jianwei Li	China University of Geosciences, Wuhan, China
Jingwen Mao	Institute of Mineral Deposits, CAGS, China
Jun Deng	China University of Geosciences, Beijing, China
Kenzo Sanematsu	Geological Survey of Japan, National Institute of Advanced Industrial Science and Technology (AIST), Japan
Kyaing Sein	President of Myanmar Geosciences Society, Myanmar
Martin Danisik	Curtin University, Australia
Pei Ni	Nanjing University, China
Qi Zhou	Bureau of Geology and Mineral Exploration and Development of Guizhou Province, China
Qiuming Cheng	China University of Geosciences, Beijing, China

Richard Goldfarb	U.S. Geological Survey, USA
Shaoyong Jiang	China University of Geosciences, Wuhan, China
Taiping Zhao	Guangzhou Institute of Geochemistry, China
Wenchao Su	Institute of Geochemistry, China
Xianwu Bi	Institute of Geochemistry, China
Xuexiang Gu	China University of Geosciences, Beijing, China
Yanjing Chen	Peking University, China
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Organizer

State Key Laboratory of Ore Deposit Geochemistry, China

Institute of Geochemistry, Chinese Academy of Sciences

Co-Organizers

Chinese Society for Mineralogy, Petrology and Geochemistry

Society of Economic Geologists

Theme and Topics

Theme: Low-temperature mineralization: characteristics, ore genesis and explorations

Topics: Topics include but would not be limited to:

- (1) Geodynamic setting of low-temperature mineralization
- (2) Driving mechanism of low-temperature mineralization
- (3) Geochronology of low-temperature mineralization
- (4) Sources of metals and fluids, mechanisms of metal concentration
- (5) Experimental simulation of ore-forming process
- (6) Genetic relations of various types of deposits in a specific low-temperature metallogenic domain
- (7) Low-temperature mineralization in China
- (8) Exploration of low-temperature mineralization

Field Trips (Options)

- (1) Carlin-type Au deposits in Southwestern Guizhou (3 days; attendee minimum: 10; attendee maximum: 20)
- (2) Guanling Fossil National Geopark (1 day; attendee minimum: 10; attendee maximum: 20)
- (3) Pb-Zn deposits in Huize (3 days; attendee minimum: 10; attendee

maximum: 20)

(4) Five-hundred-meter Aperture Spherical radio Telescope (FAST) (1 day; attendee minimum: 10; attendee maximum: 20)

Note: The field trip will be cancelled if the attendee number is less than the minimum. Delegates could book field trips during website registration, and pay the fee by cash or card during the conference (October 18-21st, 2019). The organizer will provide the detail information about field trip and travel agency for delegates during on-site registration.

Abstract submission

This symposium will set up several types of presentations, including invited plenary talks, session keynote talks, and oral presentations. Abstracts should be written in English, and limited to 2 A4-size page (including charts, table, and references). Authors should use the downloadable MS Word template. The Academic Committee will select presentations from the submitted abstracts.

Deadline for abstract submission: August 1st, 2019. Please submit the abstracts on the website: <http://2019low-temperature.csp.escience.cn>

Registration Fee and Payment

The delegate could pay the registration fee into the foreign currency account or RMB account. Foreign currency account accepts only U.S. dollar, and the registration fee and account information are as following.

Category/Date	Early Bird (Before/On July 1 st , 2019)	Regular (After July 1 st , 2019)
Attendee	U.S. dollar 380	U.S. dollar 460
Student	U.S. dollar 230	U.S. dollar 280
Accompanying Person	U.S. dollar 230	U.S. dollar 280

Note: (1) **The deadline for payment by bank transfer is October 1st, 2019. Please specify the following information (“2019 low temperature-Your institution**

name-Your name”) in the remark column. (2) On-site registration: October 18th, 2019, the registration fee can be paid by cash or card. (3) Symposium registration fee includes site rental fee and meal during the meeting; (4) Students need to show a current student ID during registering; Post-doc no longer has a student identity.

Foreign Currency Account Information (U.S. dollar only)

SWIFT CODE: ICBKCNBJGIZ

Account Name: Chinese Society for Mineralogy, Petrology and Geochemistry

Bank Name: Industrial and Commercial Bank of China

Address: No.70 South of Zhonghua Road, Nanming District, Guiyang, Guizhou

Account: 2402004819200143975

RMB account accepts only China Yuan, and the registration fee and account information are as following.

参会人员类别/时间	2019年7月1日前注册	2019年7月1日之后注册
参会代表	人民币 2500 元	人民币 3000 元
学生	人民币 1500 元	人民币 1800 元
随行人员	人民币 1500 元	人民币 1800 元

备注：（1）银行转账截止日期为 2019 年 10 月 1 日，转账时请备注：2019 年低温-单位名称-你的名字。（2）现场注册日期为 2019 年 10 月 18 日，可以刷卡和付现金。（3）注册费包含会议费和餐费。（4）学生需要出示学生证，博士后不再具有学生身份。

人民币账号（只接收人民币）

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Important Dates

March 15th, 2019: release the first announcement, register open, and submit abstract

August 1st, 2019: deadline for abstract submission; deadline for early bird registration

September 1st, 2019: notification of abstract acceptance, release the second announcement

October 18th, 2019: on-site registration and check in

October 19-21st, 2019: symposium presentations

October 22-24th, 2019: post-symposium field trips

Conference website

Please visit the conference website for detailed information:

<http://2019low-temperature.csp.escience.cn>