

**Title:** InterRidge Workshop on Hydrothermal ore-forming processes and the fate of SMS deposits along slow and ultraslow spreading Mid-Ocean Ridges

**Objectives:**

1. To understand the geological factors that contribute to the formation, distribution and preservation of SMS deposits;
2. To understand the hydrothermal circulation mechanisms along slow and ultraslow spreading MOR
3. To determine the spatial distribution pattern of SMS deposits and their resource potential at MOR with various spreading rates.

**Schedule (tentatively):**

**19 September 2019 (Thursday)**

- Arrival and registration all day.

**20 September 2019 (Friday):**

- 9:00-11:45 Oral presentations (with a 15min coffee break);
- 11:45-14:30 Lunch break, poster presentations;
- 14:30-17:00 Plenary and/or breakout session(s) (with two 15min coffee breaks);
- 17:30 Dinner.

**21 September 2019 (Saturday):**

- 9:00-11:45 Early Career Scientists session, oral presentations (with a 15min coffee break);
- 11:45-14:00 Lunch break, presentations appraisal;
- 14:00-17:00 Excellent oral/poster presentation awards, WG internal discussion;
- 17:30 Dinner.

**22 September 2019 (Sunday)**

- Departure and registration for UMC2019 if planned.

**Presentation format:** for better summary of key outcomes, the oral presentations should be **related to the theme and objectives**, ~8 presentations within 20min for each including Q/A. Early Career Scientists session aims to provide a platform for PhD/Post-doctoral scholars to present their studies, which may be NOT strictly limited by the theme, 15~20min for each. Posters need to be prepared in advance.

The time could be adjusted according to the actual presentation number.

**Plenary and/or breakout session:** through in-depth discussion, identify the gaps/big questions in our understanding of these systems and make clear the way forward: data, methods, international collaboration?

**Early Career scientists support plan:** getting more early career scientists involved is one key objective of this workshop. We plan to financially support several excellent early career scientists (International and Chinese) to help cover their flight fares and accommodations.

We will call for abstracts and ask the WG committee members to select the best early

career scientist contributions to the workshop.

**Expected outcomes:**

- A workshop report to illustrate **where we are and where we go** on SMS deposits by summarizing the presentations, discussions and so on. A scientific program based on the findings and plans would be presented, for example, ' **$\lambda$** ' program where ' **$I$** ' represents the Atlantic ridge while ' **$\lambda$** ' represents the triple ridge junction of SWIR, SEIR and CIR.
- A special issue on Marine Geology or another journal to include the presented abstracts/papers (TBD).

**Venue:** Hangzhou Sunday Sunny Resort, 200 Santaishan Road, Hangzhou, Zhejiang, China (Tentatively).