

EGRU 

presents an international geological conference on

Sn-W-Critical Metals & Associated Magmatic Systems

24 - 28 June 2019

Tinaroo Lake Resort

Atherton Tablelands

Queensland, Australia

Second Flier

Image: Tinaroo Lake, Atherton Tablelands, Queensland

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Sn-W-Critical Metals & Associated Magmatic Systems

A geological conference with a session in honour of Dr Roger Taylor

The Economic Geology Research Centre (EGRU) at James Cook University is proud to announce a conference on “Sn-W-Critical Metals & Associated Magmatic Systems” to be held in the historic Herberton tin field in north eastern Australia, 24-28 June 2019. The conference will include a session in honour of former EGRU Director and author of the *Geology of Tin Deposits*, Dr Roger Taylor, in recognition of his contribution to the understanding of Sn magmatic systems in Australia, and globally.

The conference will address advances and breakthroughs in understanding the setting, genesis and characteristics of magmatic systems related to Sn-W-Critical Metal mineralisation, including Rare Metal Pegmatites. The conference program will feature presentations from world-class researchers in the field, including:

- ▶ **Prof. Rolf Romer** (GFZ, Potsdam, Germany)
 - *Influence of protolith chemistry on the regional distribution of Phanerozoic magmatic tin deposits*
 - *Contrasting distribution of Sn-W-Ta and Au mineralization in the Appalachians and the Variscides*
- ▶ **Prof. Jingwen Mao** (Chinese Academy of Geological Sciences, Beijing, China)
 - *Geology and metallogeny of tungsten and tin deposits in China and adjacent regions*
- ▶ **Prof. Shao-Yong Jiang** (China University of Geosciences, Wuhan, China)
 - *Geological characteristic and ore genesis of typical rare metal deposits in China*
- ▶ **Prof. Ryan Mathur** (Juniata College, Huntingdon, Pennsylvania, USA)
 - *Mineral and genetic implications of Sn isotope fractionation in ores and rocks*
- ▶ **Dr Phillip Blevin** (Mineral Systems, Geological Survey of NSW, Maitland, Australia)
 - *The character, setting and genesis of magmas associated with Sn-W-Critical Metal mineralisation in eastern Australia*
- ▶ **Prof. David Cooke** (CODES, University of Tasmania, Hobart, Australia)
 - *Magmatic-hydrothermal features associated with Tasmanian tin granites*
- ▶ **Dr Peter Pollard** (Pollard Geological Services, Brisbane, Australia)
 - *Yichun Ta-Li-Sn deposit, China.*
- ▶ **Dr Yanbo Cheng** (EGRU, James Cook University, Townsville, Australia)
 - *New Sn-W exploration tool kit: chemistry of volcanic rocks, cassiterite and zircon*

On the afternoon of Wednesday 26th June the program of technical sessions will be punctuated by a half-day trip to the historical tin mining township of Herberton, as part of the Roger Taylor session. The trip will incorporate a visit to the information-packed Herberton Mining Museum, and a short walk around the site of the Great Northern tin mine. Afternoon tea will be provided by the Herberton branch of the Queensland Country Women's Association.

On Friday 28th June an optional one-day field trip will be offered. The field trip will travel north from Tinaroo to the tungsten deposit at Mount Carbine, then head east via Julatten to the coast at Port Douglas and then down the coastal Captain Cook Highway to finish in Cairns. The Mount Carbine tungsten deposit is the largest sheeted quartz vein-type W deposit in Australia. The field trip will visit the Mount Carbine mine site and additional areas of intrusion, alteration, and mineralisation in the vicinity of the mine.

Important Dates

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|--------------------|--|
| 23rd January 2019 | Conference registration opens |
| 28th February 2019 | Deadline for abstract submission |
| 1st May 2019 | Deadline for refund of registration fees |
| 24th June 2019 | Welcome Function |
| 25-27th June | Technical Sessions |
| 26th June | Half-day trip to Herberton |
| 28th June | One-day Field Trip to Mount Carbine |

For information about getting to Tinaroo, and accommodation options, please see the conference web site.

Conference Venue

Tinaroo Lake Resort
29 Palm Street
Tinaroo, Qld 4872
Queensland, Australia
Tel: +61 7 4095 8912

Registration

Tinaroo Lake Resort
Monday 24th June from 3.00 pm
Tuesday 25th June from 8.00 am

Social Program

Welcome Function

Tinaroo Lake Resort
Monday 24th June Early Evening

Conference Dinner

Tinaroo Lake Resort
Tuesday 25th June Evening

Registration Fees

Register online at the conference web site.
All fees are in Australian Dollars and inclusive of 10% GST

Conference Registration

Includes technical program, teas and lunches 25th-27th June, Welcome function, Conference dinner, half-day trip to Herberton.

Registration Fees

| | |
|-----------------|----------|
| EGRU Member | \$800.00 |
| Non EGRU Member | \$990.00 |

One-Day Field Trip to Mount Carbine Tungsten Deposit

Trip departs Tinaroo and terminates at Cairns airport.
Fees include lunch and snacks.
Delegates will need to wear steel-capped boots.
Hard hats, high-visibility vests and safety glasses will be provided by EGRU.

Registration Fees

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|-----------------|----------|
| EGRU Member | \$330.00 |
| Non EGRU Member | \$450.00 |

EGRU

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For more than 35 years EGRU has been connecting researchers, students, industry, and government organisations, and building productive working relationships by:

- › promoting collaborative research;
- › providing applied research services;
- › delivering professional development training.

For queries about the conference please contact the EGRU Administration Officer:

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For further information about technical content please contact the conference conveners:

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|----------------|--|--------------|--|
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Register at the conference web site:

www.jcu.edu.au/economic-geology-research-centre-egrु/conferences/