



Field Geology in the 21st Century

NE Tasmania Field Meeting

Wednesday January 29- Friday January 31 , 2020

Come to beautiful northeast Tasmania, see some fantastic geology, evaluate new field education methods, and interact with other Earth science educators in an informal environment.

Fieldwork is a cornerstone of Earth science education and undergraduate students today must not only master traditional geological field skills but also need to be familiar with a wide range of new and emerging technologies such as:

- UAVs (drones)
- Digital field data recording
- Portable analytical tools
- Photogrammetry and laser scanning
- Integration of geophysical data
- Augmented and virtual reality

This field meeting will provide an informal venue for Earth science educators to interact and exchange ideas about field-based education and in particular to explore how new technologies can be integrated into conventional field programs.

The geological theme for the meeting is 'Palaeozoic sedimentation, deformation and magmatism in NE Tasmania'.

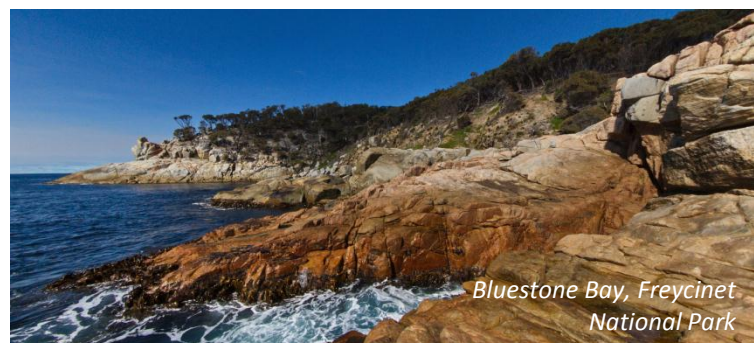
Participants will visit world-class exposures of deformed turbiditic metasedimentary rocks, complex contact aureoles and a magmatic-hydrothermal transition zone.

Some outcrops are in iconic locations such as The Bay of Fires and Freycinet National Park.

Conventional geological activities in the field will be integrated with demonstrations and trials of modern innovative field techniques.

In the evenings there will be some formal presentations but also plenty of opportunity for informal discussions.

Come just for the meeting or extend your trip with a few extra days enjoying the sights in Tasmania.



Program

Wednesday January 29

Participants meet in Launceston at ~8.00am.
Collect additional participants from
Launceston Airport at ~9.15 am.

- Bellingham – deformed meta-sediments
- Pipers River – multi-phase deformation
- Bridport – contact aureole

Accommodation: Mt Cameron, Gladstone.
Evening talks and demonstrations

Thursday January 30

- Bay of Fires – granitic outcrops
- Scamander River – turbidite sedimentology
- Falmouth – Devonian pyroclastic rocks
- Piccaninny Point – Contact aureole

Accommodation: SOC Centre, Fingal
Evening talks and demonstrations

Friday January 31

- Bicheno – Granitoids and mafic intrusives
- Bluestone Bay – Magma mingling? and magmatic-hydrothermal transition zone textures

Arrive in Hobart by 5pm – participants dropped at Hobart airport in transit if required.



Details

Transport

Participants need to make their own travel arrangements to Launceston and from Hobart. Participants on early morning flights from Sydney or Melbourne to Launceston will be collected at the airport. Other participants will need to arrive in Launceston on January 28.

Accommodation

We will be staying in 'school camp' type accommodation (dormitories and shared cabins). All participants must bring a sleeping bag and a pillow.

Cost

Cost per person is \$200. This covers all land transport, accommodation (on January 29 and January 30), and food.

Contact

To register your interest in this event contact:

Michael Roach,
Earth Sciences,
University of Tasmania
michael.roach@utas.edu.au

Please indicate if you have a field demonstration or a presentation that you would like to share. There are a limited timeslots for evening presentations.

This meeting is limited to 30 participants



Australasian Universities Geoscience Educators Network

AUGEN provides a forum for promotion of Tertiary Earth teaching by coordinating conferences and workshops to promote excellence in geoscience education.