



First Circular

Taking the Temperature of the Antarctic Continent

TACTical Workshop

Current efforts, collaborations and future directions in Antarctic heat flux research

The geothermal heat flux to the base of the Antarctic ice sheet is inherently difficult to measure, yet accurate estimates are necessary to better understand cryosphere dynamics. This is crucial to improve models of ice discharge and sea level change, and optimise site selection for ice core paleoclimate studies.

This workshop will include presentations and discussion around a new generation of Antarctic heat flux measurements, derivations and models, combining efforts to characterise and couple both deep (mantle) and shallow (crustal) heat flux. We will also discuss possible future international heat flux measurement initiatives in Antarctica. We invite interested researchers from the solid Earth, cryosphere and ice sheet modelling communities to join us in Hobart in March 2018.

Wed 21 - Fri 23 March 2018

Institute for Marine and Antarctic Studies, University of Tasmania, Hobart, Australia

Organising committee: Jacqueline Halpin, Anya Reading (UTAS, Australia),
Karsten Gohl (AWI, Germany), Weisen Shen (WashU, USA), Frank Pattyn (ULB, Belgium)

We welcome expressions of interest, and suggestions for relevant topics for presentation and/or discussion. Contact: Jacqueline Halpin jacqueline.halpin@utas.edu.au or
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Supported by the ARC Antarctic Gateway Partnership & SCAR SERCE
[Early Career Researchers and/or attendees from nations with an emerging Antarctic program may be eligible to apply for a travel grant]