

THERMOCALC WORKSHOP – IIT, KHARAGPUR, 8-10th January, 2013

The Department of Geology & Geophysics, Indian Institute of Technology, Kharagpur is organising a three-day international workshop on the use of THERMOCALC software in the modelling and interpretation of metamorphic rocks from 8th to 10th January, 2013. The workshop is likely to be attended by over forty five research scholars and young professional researchers from national and international universities, research institutions and professional organisations. As happened in Brazil (2006) and Czech Republic (2009), this workshop is one of several events linked to the Granulites and Granulites 2013 International conference to be organised in India. This will cover both the theory and practice of THERMOCALC software, with a focus on hands-on experience so that by the end of the course all participants can calculate their own phase diagrams for common metamorphic rock types. The Workshop will be led by Dr. Dave Kelsey (University of Adelaide) and assisted by Dr Tim Johnson (University of Mainz). It will conclude with a series of guest lectures by eminent metamorphic petrologists and geochronologists who will provide an overview of current research in metamorphic rocks and on applications in geochronology.

Workshop Program

7 January– Evening - ***Participants arrive at IIT-Kharagpur***

8-9 January: ***Lectures and Practical sessions***

10 January (F.N.): ***Lecture/Practical Sessions***

10 January (A.N.): ***Guest Lecture Program***

10 January Night Onwards: ***Departure***

Venue and Schedule of Guest Lecture Program

Gargi Auditorium of the Institute: 2-00 to 6 PM, 10.1.2013

Speakers and Titles of Talks

- (1) Michael Brown, University of Maryland, USA: "Secular Change and the Crust–Mantle Lithosphere System: The View from the Top Down"
- (2) Simon A. Wilde, Curtin University, Perth, Australia: "Timing of Hadean Crustal Events: Deciphering the Zircon Evidence"
- (3) Patrick O'Brien, University of Potsdam, Germany: "Problems of Confirming UHP metamorphism with Pseudosections"
- (4) Ian Fitzsimons, Curtin University, Perth, Australia: "How does the Continental Crust Get Really Hot?"
- (5) Pete Kinny, Curtin University, Perth, Australia: "Developments in Zircon Geochronology"

Organisers of the THERMOCALC Workshop

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