



Thermodynamics Workshop 18th-19th of January 2016 School of Earth and Environment, University of Leeds

Monday

09:30-09:50	Tea and Coffee
09:50-10:00	Introduction – Frances Wall / Stephen Stackhouse
10:00-11:00	Background to Thermodynamics and Databases – Bruce Yardley
11:00-12:00	Hydrothermal experiments: transport and deposition of REE in hydrothermal systems – <i>Willy William-Jones</i>
12:00-12:40	Thermodynamic studies of rare earths in the Critical Materials Institute, a US DOE Hub – phosphogypsum, bastnaesite, and perovskite – <i>Alexandra Navrotsky</i>
12:40-13:00	General discussion
13:00-14:00	Lunch
14:00-14:30	Computational Overview – Stephen Stackhouse
14:30-15:30	Computational Studies of Hydrothermal Fluids – David Sherman
15:30-15:50	Experimental constraints on the solubility and speciation of HFSE and REE in high temperature fluids and the role of hydrothermal fluids in the genesis of rare metals deposits – <i>Marion Louvel</i>
15:50-16:10	Tea and Coffee
16:10-17:00	Breakout Groups
	- back to basics catch up

- interdisciplinary review of what is already known





Tuesday

09:00-10:00	Rare Earth Elements in Natural Systems – Reto Giere
10:00-10:20	Rare Earth Recycling – Andrew Masters
10:20-10:40	Tea and Coffee
10:40-11:40	Thermodynamics of Extraction – Animesh Jha
11:40-12:40	Basics of Ionic Liquids for Minerals Processing – <i>Andy Abott</i>
12:40-13:00	Hydrochemistry and Process Simulation Based on Thermodynamic REE-data – <i>Harald Kalka</i>
13:00-14:00	Lunch
14:00-15:00	Breakout Groups:
	natural systemsmineral processing
15:00-15:30	Concluding Discussion – opportunities for further work.
15:30	Close, Tea and Coffee





Travel and Accommodation Information.

In regard to getting to Leeds, there is a useful guide here

http://www.meetinleeds.com/getting to the university.php

Manchester airport is just as convenient as Leeds-Bradford, since there is a direct train to Leeds city centre. Flights are often cheaper.

In regard to hotels, you may want to look here

http://accommodation.leeds.ac.uk/info/200128/staff_accommodation/39/hotels and bed and breakfasts

Note that, these are only the university-approved hotels, there are many more than this, to suite all tastes and budgets.

The workshop will be held in the seminars rooms at the School of Earth and Environment, at the University of Leeds

http://www.leeds.ac.uk/campusmap

The seminar rooms are located behind the reception desk of the main foyer, next to the entrance on the north side of the building.