

ICAT-Ice Core Analysis Techniques

31st Oct-5th Nov 2016

University of Copenhagen (Denmark)

Scope and participation:

The PhD course (2.5 ECTS) is aimed at PhD students and junior postdocs who conduct ice core analysis or are users of ice core data (E.g. *Glaciologist, Oceanographers and Climate Modelers*).

Ice core data cannot be fully appreciated without understanding the analytical techniques behind the measurements as well as the implicit assumptions related to emission, transport and deposition of the species analysed.

The course will focus on old and new analytical techniques used in ice core research and their caveats, uncertainties as well as their importance for climate interpretations. We will discuss continuous flow analysis, ion chromatography and a number of other methods used for high resolution measurements of the impurity content in ice cores. Laser spectroscopy has partly replaced mass spectrometry and gas chromatography for the analysis of trace gases and water isotopes from polar ice.

ICAT aims to educate a new generation of ice core researchers and foster a collaborative environment for future glaciological projects.

The course will enhance the knowledge between PhD's within the ice core community on new methods developed for the analysis of ice cores.

Lecturers include: Prof Joe McConnell, Prof Ed Brook, Prof Thomas Blunier with more.

Registration fee: No registration fee, but students should prepare for their own lodging and transport.

Application: Send your application to hellek@fys.ku.dk before **July 30th, 2016**. You will be notified the decision of the Selection Committee by **September 1st, 2016**

Your application should include:

- A statement of why you want to participate
- Affiliation, name of supervisor
- A 200 word description of your research project
- a Curriculum Vitae

Please supply this information as **a single pdf**.



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