

# ICAT-Ice Core Analysis Techniques

25-30 September 2017

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. *Glaciologists, Oceanographers, Climate modelers, Earth scientists*). 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, their caveats and 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 measurement of the impurity content in ice cores. We also cover laser spectroscopy techniques complementing mass spectrometry and gas chromatography for the analysis of trace gases and stable water isotopes in polar ice.

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

**Lecturers include:** Nerilie Abram, Marco Potenza, Dorthe Dahl Jensen, Thomas Blunier, Bo Vinther, Helle Astrid Kjær, Sune Rasmussen, Paul Vallelonga, and more.

**Registration fee:** 100 Euro covering lectures, excursion, social event, and lunches.

**Application deadline: June 1st, 2017.** You will be notified of the decision of the selection committee by **July 1st, 2017**. Travel support is available from EPICA for a limited number of students from European ice core laboratories.

More information and application form:

<http://www.iceandclimate.nbi.ku.dk/outreach/icat-phd-school-2017/>

Email: [icat2017@nbi.ku.dk](mailto:icat2017@nbi.ku.dk)

ICAT website:



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I think this has really improved my knowledge about ice cores and data interpretation.

I was very happy to participate in the ICAT training. All of the course was very interesting and the excursion too. The organization was perfect

Very relevant for everyone in the room.

Thanks for bringing together and educating young ice core scientists from all over the world

