

Niels Bohr Institute and TiPES PhD school on

Climate and conditions for life on early Earth and other planets

October 6.-11., 2019

Bornö Research Station, Gullmarfjorden, Sweden

The school is intended for Ph D students and Post Docs in the broad area of climatology, planetary science, geology and biogeochemistry. It will have the format of a workshop with plenty of time for working on assigned problems, interactions between participants and lecturers. Motto: Ask, what you never dared asking before. Themes will be what governs planetary climate and habitability? Climate on the early Earth and other planets: Evolution of the atmosphere, oceans and biosphere, snowball earth and the faint young suns paradox, life and development of continents, mechanisms of self-regulation, habitability on exoplanets.



The research station is situated on the Island Stora Bornö where the space is limited to a maximum of 20 participants:

http://www.gvc.gu.se/Department_of_earth_sciences/Oceanography/Research/Borno_station/

Participants will be selected on the basis of submitted CV. Application should be send by email to: pditlev@nbi.ku.dk and marked 'application, PhD school' in the subject field.

Deadline for application is **August 15., 2019.**

Registration fee: €500 (PhD students) €800 (Post docs) covers accommodation and all meals. A limited number of grants for reducing/waving the fee are available, please indicate eventual need in the application.

Lecturers and topics include:

Jim Kasting (Penn State Univ.,USA) "Evolution of Earth's Atmosphere and Climate"

Ray Pierrehumbert (Oxford Univ., UK) "Exchange between planetary interiors and atmospheres and habitability"

Minik Rosing (Univ. Copenhagen, Denmark) "Early life and formation of continents"

Tais Dahl (Univ. Copenhagen, Denmark) "Land plants and regulation of CO₂ in Earth's atmosphere"

Peter Ditlevsen (Univ. Copenhagen, Denmark) "Tipping points and abrupt changes in the climate"



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