

PhD position at ETH Zurich in the framework of the Ambizione project *SPACE*

The Atmospheric Physics group at the Institute for Atmospheric and Climate Science (IAC) – ETH Zurich invites applications for a 3-year PhD position on experimental atmospheric aerosol research. The position is integrated into the Ambizione project “Soot Particle Ageing Cloud Effects – *SPACE* –” funded by the Swiss National Science Foundation (SNSF).

Within *SPACE*, the impact of simulated atmospheric ageing on the chemical composition and the cloud formation potential of soot particles will be investigated. The group has exceptional laboratory facilities and the core instrumentation available for this project consists of a Soot Particle Aerosol Mass Spectrometer (SP-AMS), an Aerosol Time of Flight Mass Spectrometer (ATOFMS), a cloud condensation nuclei counter (CCNC), and an ice nucleation particle counter (INPC). The applicant will be part of Prof. Lohmann’s experimental research group (www.iac.ethz.ch/groups/lohmann) focusing on aerosol mass spectrometry, ice cloud formation, and mixed-phase clouds

We are looking for a PhD candidate interested in experimental work and atmospheric aerosol. The position requires a MSc. (or equivalent) in chemistry, physics, engineering, atmospheric/environmental sciences, or a related field. Sound knowledge of the English language, both oral and written, but also an interest in learning German is expected. Pre-knowledge on aerosol measurement techniques, statistical data analysis and/or programming skills are highly encouraged. The applicant will be supervised by the project leader and should be able to work in a team. The successful candidate is further expected to have good communication skills and to be willing to interact within an international research environment.

Qualified candidates are encouraged to send their curriculum vitae (including education, professional experience, and publications) and two letters of reference to the project leader Amewu Mensah (see coordinates above). Applications should be submitted by 15th January 2016 but will be accepted until position is filled. Planned starting date is 1st June 2016. Please contact me in case of questions related to the project.

Best regards,

Amewu