

*The Physikalisch-Meteorologische Observatorium Davos, World Radiation Centre (PMOD/WRC) in Davos Dorf and the Institute of Applied Physics, University of Bern are looking for a*

## PhD Position in Atmospheric Science

Are you interested in working in a challenging, intellectual environment at a renown research institute high up in the Swiss Alps?

The project Cloud Climatology and Surface Radiative Forcing over Switzerland (CLASS) aims at quantifying observationally the effect of clouds on the surface radiation budget. Long term changes in cloud cover will be obtained from analyzing the long-term record of short and longwave radiation available since 1995 at four sites in Switzerland. These ground-based measurements will be complemented with newly installed all-sky cameras to take full hemispherical pictures of the sky to determine fractional cloud cover and develop a classification of cloud type. An infrared sky imager employed during field campaigns will complement these measurements. These results will be compared to satellite derived cloud products in view of extending the analysis to the whole of Switzerland. Besides the research activities the selected candidate will also be responsible for the operation and maintenance of these instruments which will be deployed at 5 sites in Switzerland, including the high alpine Research Station Jungfraujoch.

We are looking for a highly motivated candidate with a masters degree in physics or environmental sciences. A background in atmospheric surface radiation (measurement or modeling) would be advantageous.

**Entrance upon:** July 2010

**Duration of appointment:** 3 years

**Place of work:** PMOD/WRC, Dorfstrasse 33, 7260 Davos Dorf

The candidate will work full-time at PMOD/WRC. The PhD degree will be obtained from the University of Bern and the supervisor of the PhD Thesis is Prof. N. Kämpfer who is the head of the microwave physics department of the Institute of Applied Physics. There is a close cooperation between the teams at Bern and Davos. Regular travels to IAP, Bern will allow the candidate to remain integrated within the research group at the IAP. Admission to the PhD program of the University of Bern is a necessary condition of this position.

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**Links:** <http://www.pmodwrc.ch> and <http://www.iapmw.unibe.ch>

*Please submit your application to:*

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