

Postdoctoral Position in Cloud and Aerosol Remote Sensing

The Microwave Division at the Institute of Applied Physics, University of Bern, is offering a postdoctoral position in the frame of the European network for Aerosols, Clouds and Trace gases Research Infrastructure (ACTRIS-RI). The position is initially for two years with the possibility of an extension up to six years.

Responsibilities

ACTRIS-RI is a pan-European initiative to consolidate permanent and long-term observations of aerosols, clouds and trace gases. The Swiss National Facility for cloud and aerosol remote sensing at the Federal Office of Meteorology and Climatology MeteoSwiss in Payerne includes a Raman lidar, sun photometers, microwave radiometers and additional in-situ instruments. They will be complemented by a new millimeter wave cloud radar of the University of Bern. The successful candidate will be responsible for the installation and operation of the cloud radar, as well as for the calibration and submission of the radar and lidar data to the ACTRIS network. It is expected that he or she spends 40% of the time at the MeteoSwiss observatory in Payerne and participates actively in the scientific exploitation of the observations.

Requirements and applications

The position requires a PhD degree in natural sciences or engineering with a strong background in remote sensing. Experience in data analysis and instrumentation is expected, preferably with radar meteorology, microwave radiometry, or lidar. Working language will be in English, knowledge of German or French would be an advantage.

Interested applicants are invited to send their curriculum vitae, a brief statement of research interests (1-page), publication list, and the contact details of 2-3 reference persons by email.

The IAP is actively seeking to increase the number of women in physics and hence women are strongly encouraged to apply.

Contact for applications and informal inquiries:

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