UNIVERSITÄT
BERN

Astronomisches Institut, Sidlerstrasse 5, CH-3012 Bern

Philosophisch-
naturwissenschaftliche Fakultät

Astronomisches Institut

Bern, 27. April 2021

Open Position at the Astronomical Institute of the University of Bern

The Astronomical Institute of the University of Bern (AIUB) recently started a contract with the European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT) to launch the

Bernese POD Scientific Service

that shall be provided to the Remote Sensing and Products (RSP) Division within EUMETSAT's Technical and Scientific Support (TSS) Department. In the frame of this activity funding will be available for a

RESEARCH ASSISTANT

EUMETSAT intends to apply the Bernese GNSS Software (BSW) as a baseline software for its scientific and operational activities related to precise orbit determination (POD) involving several missions such as EPS/Metop, Sentinel-3, EPS-SG, Sentinel-6/Jason-CS and other missions of opportunity. For this purpose, EUMETSAT has initiated a Scientific Service contributing to the maintenance and evolution of the BSW as required for EUMETSAT's POD applications.

The objective of the Scientific Service Contract is to provide the needed software maintenance service along with contributions to implementing, testing and documenting required adaptations of the software to allow its use in EUMETSAT's operational as well as in its scientific environments. The Scientific Service shall further aim at the implementation of desirable scientific updates and improvements of the software, ensuring that EUMETSAT's POD capabilities remain state-of-the-art in the future.

The position of the research assistant is scheduled for 1 year with the option for several extensions up to four years in total. The service will be carried out at AIUB in close relation to AIUB's other POD activities of Low Earth Orbiting (LEO) satellites. Depending on the tasks, short-time working arrangements at EUMETSAT's premises in Darmstadt, Germany, may be possible.

Education:

The candidate is expected to have successfully completed the master thesis (diploma/"Lizentiat"/Master) in astronomy, geodesy, aerospace engineering, physics, or a related topic. Significant experience in LEO POD based on GNSS data, excellent knowledge regarding the design and implementation of the Bernese GNSS Software, and demonstrated experience with development of modular, clearly readable and adaptable scientific software are required. The candidate needs to speak and write English fluently.

The candidate should start working in Bern on September 01, 2021.

The position is scheduled for one year with options for extensions up to four years in total. The salary follows the guidelines of the University of Bern and depends on the qualification of the successful candidate.

Application:

Applications (including CV, university diploma copies, record of study, possible references) should be received as soon as possible but no later than July 1, 2021 at the following address:

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Informal inquiries may be obtained at the above address as well.

The University of Bern is an equal opportunity employer and encourages in particular women to apply for open positions.