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**UNIVERSITÄT  
BERN**

Astronomisches Institut, Sidlerstrasse 5, CH-3012 Bern

Philosophisch-  
naturwissenschaftliche Fakultät

**Astronomisches Institut**

Bern, 25. February 2014

### **Open Position at the Astronomical Institute of the University of Bern**

The Satellite geodesy research group of the Astronomical Institute of the University of Bern (AIUB) offers the position of a

#### **RESEARCH ASSISTANT.**

The focus of the research activities will be in the field of

#### **GNSS DATA ANALYSIS.**

The AIUB hosts the Center for Orbit Determination in Europe (CODE), one of the leading analysis centers of the International GNSS Service (IGS). An important part of the position will be devoted to the continuous improvement of the processing system, which is required to guarantee the operational activities with high reliability. The permanent development and improvement of the Bernese GNSS Software package, to also guarantee the high quality standards of the CODE-products according to the latest scientific standards in the future, will be another core task of this position.

Based on these rather technical tasks, also various opportunities for scientific research result in order to continuously improve of the CODE products. A key element is the improvement of the orbit modelling for GNSS satellites (GPS, GLONASS, Galileo, BeiDou) as well as for low Earth orbiting satellites.

Depending on the interest and the experience of the candidate also other research topics may be defined, covering the wide range from the field of global GNSS analysis (improvement of relevant parameters like station coordinates, Earth rotation parameters, etc.), to the integration of new GNSS signals, up to the development and employment of new processing strategies.

The position may also allow PhD studies in the field of orbit modelling for GNSS satellites. In that case the focus of the work will be rather on scientific tasks than on technical tasks.

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**Education:**

The candidate is expected to have successfully completed the master thesis (diploma / “Lizentiat”) in astronomy, geodesy, physics, or a related topic. Experience in GNSS data processing or in using the Bernese GNSS Software package, and in computer science (coding in Fortran90, C++, or perl) are not a requirement, but an advantage. The candidate should be able to speak and write English fluently. Good knowledge of the German language is expected, as well – or at least a commitment to learn German since this is the language used at the institute.

The candidate should start working in Bern on June 01, 2014 or by agreement.

The position is scheduled for three years. 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, possible references) should be received as soon as possible but no later than March 31, 2014 at the following address:

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Informal enquiries 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.