

Centre de Données astronomiques de Strasbourg (CDS)

24/11/2015

Observatoire astronomique de Strasbourg, UMR 7550
11, rue de l'Université 67000 Strasbourg, France

We hire a software engineer for the European ASTERICS (Astronomy ESFRI & Research Infrastructure Cluster) project.

Contract:

As soon as possible, one year renewable.

MSc or PhD degree.

The salary depends on the degree and experience (based on CNRS (Centre National de la Recherche Scientifique) pay scales (MSc from 1625 euros net; PhD (and some MSc, under condition) from 1890 euros net).

Complements: participation to daily transport costs, family benefits.

Context:

The Strasbourg astronomical data center is a team of about thirty people (astronomers, computer scientists and librarians). One of its missions is to develop and maintain services (Simbad, VizieR, Aladin) recognized and widely used by the international astronomical community.

The CDS is a partner of ASTERICS, a European project funded (€ 15 million) by the European Union within the framework of Horizon 2020 (Accreditation No. 653 477, from 01/05/2015 to 30/04/2019).

The engineer will work in the frame of the Work Package DADI (Data Access, Discovery and Interoperability), which includes the implementation of standards of the International Virtual Observatory Alliance (IVOA) in which the CDS is actively involved for many years. IVOA standards allow interoperability between astronomical data centers, services and tools.

The work of the engineer therefore is to test and implement IVOA standards (especially those concerning the access to the data) in CDS services, in the context of the continuous evolution of standards and services at CDS.

Technically we ask mainly a good knowledge of Java (server-side (e.g. with TOMCAT) and client developments) and a motivation for software development (rigor, code documentation, testing, etc.). The services of CDS are primarily interactive and performance is also important.

The following skills will be appreciated:

- ability to work with computer scientists and astronomers
- internal and external communication
- English (at least B1 level)

Possible participation to work meetings and conferences outside France.

Links: <http://cdsweb.u-strasbg.fr/>, <https://www.astron.nl/asterics/>, <http://www.ivoa.net/>

Interested?: send a curriculum vitae and a motivation letter to andre.schaaff@astro.unistra.fr

And feel free to request for additional information.