



KATHOLIEKE
UNIVERSITEIT
LEUVEN

Centre for Plasma Astrophysics

Department of Mathematics

PostDoc Fellowship in Space Science within SOTERIA (soteria-space.eu)

Salary – 26,000-35,000 net salary in Euro (depending on qualifications)

The Centre for Plasma Astrophysics (CPA) of the Katholieke Universiteit Leuven (Belgium) accepts applications for one postdoctoral position within the framework of the SOTERIA consortium funded by the European Commission within the FP7 program. SOTERIA encompasses 16 centers in 11 European countries.

The activities will focus on the study of processes in the solar corona (flares, CMEs), the propagation of the solar wind and its disturbances and the study of the magnetosphere and its connection with solar activity. The work will be theoretical and observational, focusing on linking observations and simulations. The work will be based on the extensive previous expertise in the field of space science and its application to space weather at the CPA and within the SOTERIA consortium.

The selected candidates will have expertise in at least one of the following areas:

- Solar physics,
- Magnetospheric physics
- Solar wind
- Expertise on computer programming with C, C++ or Fortran,.
- Plasma physics, astrophysics or space physics,
- Numerical methods for fluid dynamics, MHD and kinetic physics.

The researchers will have access to large parallel computer facilities and to a stimulating research environment within the SOTERIA consortium. The researchers will be employed by the K.U.Leuven, but collaborations with other centers of SOTERIA are encouraged. The work place is Leuven, a historic university town (our university is one of the oldest in Europe, founded in 1425) located just 20 minutes from the center of Brussel and 15 minutes from the Brussel airport, making it easily reachable to international travelers. Leuven is an international city located in the Flemish (Dutch speaking) part of Belgium where English and French are spoken routinely in all places (from University and public offices to shops and entertainment venues).

Informal enquiries are welcome and should be made to Prof. Giovanni Lapenta, tel: 0032 16 327965, at jobswpl@exascience.com. Formal application should be made by uploading the required documents (see below) at:

http://phd.kuleuven.be/set/postdoc/voorstellen_departement?departement=50000430

Employment details:

- Salary: 26,000-35,000 Euro net salary (depending on qualifications)
- Duration: One year, renewable after positive evaluation.
- Application Closing Date: Position will be filled as soon as possible.
- The K.U.Leuven is committed to equality of opportunity.

An application should include:

- A cover letter expressing the candidate's research background, including a clear indication of the level of expertise in the areas mentioned in the job description above,
- A curriculum vitae detailing personal information, English language skills, the degrees obtained and the major research achievements,
- The names of two contact persons willing to provide a recommendation letter,
- A complete list of publications listing peer-reviewed publications and other types of scientific communications (clearly distinguish between both),
- A statement of when you are able to fill the position.