

JOB OFFER

The Operational Directorate “Solar Physics and Space Weather” of the Royal Observatory of Belgium, in Brussels, is looking for a collaborator to help developing and operating its set of solar radio experiments of the Humain radioastronomy station. The Observatory currently runs several spectrographs and flux patrol systems monitoring, on a daily basis, the level of solar activity over a large frequency range. These data are used for scientific and operational activities linked to the surveillance of the space weather conditions. We are looking for a candidate with experience in scientific data processing and having a diploma (master’s degree or PhD) either in computer science, telecom engineering or physics to:

- ⑩ develop new data processing techniques for the automated extraction of pertinent information from data (burst detection, classification...)
- ⑩ contribute to the development and maintenance of the different data pipelines and develop a monitoring system for insuring proper daily operations and delivery of operational products
- ⑩ contribute to the development and maintenance of softwares operating the different Software Defined Radio receivers (GnuRadio library)
- ⑩ contribute to the different calibration procedures

All these activities will be done in coordination with the rest of the solar radio team (3 persons).

Requirements

- The candidate must be knowledgeable in Python programming, in particular in scientific data processing, and have experience with linux systems, and shell commands.
- The candidate should be willing to do regular field missions in Belgium to work with the rest of the team on instruments.
- A good knowledge of English is necessary

Employment conditions

We offer a one year contract possibly renewable. The work place is the Royal Observatory of Belgium in Uccle, a green district in the southern part of the Brussels Region. The Royal Observatory of Belgium is a Federal Scientific Institute and offers to its contractual employees a set of social benefits including health insurance and legal pension scheme. Employees work 38h per week on a flexible time schedule. The job is opened as a SW1 position and the salary will depend on experience in equivalent positions. The Solar Physics department is an international group of scientists, technicians and engineers.

People interested should send a CV and a motivation letter in PDF via email to:
Christophe Marqué: christophe.marque@oma.be

The deadline for applying is: 13 June 2021, 17:00 CET / 15:00 UT