

JOB OFFER

THE ROYAL OBSERVATORY OF BELGIUM
SEEKS

**TWO SCIENTIFIC COLLABORATORS: COMPUTER SCIENTISTS
FOR THE "LARGE-MEM" PROJECT**



Your main activities will be:

This position is open within the Uccle Seismology-Gravimetry Service (<http://seismology.be>) at the Royal Observatory of Belgium. The activities of the service include instrument development, ground motion acquisition using seismic and accelerometric stations, real time monitoring, reporting and alerting of the seismic activity in and around Belgium. They also include the monitoring of the absolute gravity changes. In parallel to the monitoring duties, the SG scientists study many aspects of intraplate seismicity, ground motion and time-dependent physical properties of the upper crust. These activities are funded by the internal budget of the Royal Observatory of Belgium. This offer is made possible by the federal BRAIN.be LARGE-MEM project.

- valorise the scientific software developed in the framework of the project;
- optimize the MSNoise cross-correlation software workflow;
- adapt I/O to make use of HDF5

The above-mentioned activities include scientific software development and will lead to the release of Open Source software for studying the time-dependent behaviour of the physical properties of the subsurface using seismic noise.

More information on the LARGE-MEM project and MSNoise

<http://seismologie.be/large-mem/index.html>
<http://msnoise.org/doc>

WE SEARCH FOR

- Master in Computer Science, exact Sciences or Engineering. The candidate should have graduated before the beginning of the contract.
- Working and writing proficiency in English.
- Strong knowledge of the Python programming language
- Experience in scientific software development
- Proficient in git-based software development
- Practical knowledge of UNIX and databases (SQL).

Plus

- Basic knowledge of French and/or Dutch.

HOW TO APPLY?

A complete application includes a motivation letter and a full CV in PDF format.

Please send your application to
Thomas.Lecocq@oma.be before
31 July 2019

WE OFFER

The ROB (<http://www.observatory.be/>) is a Belgian federal institute in the green outskirts of Brussels (Uccle). The ROB Seismology-Gravimetry team (<http://seismology.be>) is involved in numerous research projects, as well as an important operational service of monitoring the seismic activity in and around Belgium. The team counts 16 collaborators.

This position is a fixed-term position of 1 month.