



The Royal Observatory of Belgium is one of the partners in the <Solar-Terrestrial Centre of Excellence> aiming at the creating a knowledge center for the valorization of research results in the research area of the Sun-Earth relationships. Therefore we are looking to strengthen our current team with a

scientific researcher

dealing with ionospheric tomography based on GNSS observations

Description of the function

The candidate shall collaborate closely with our research teams in the Section "Time, Earth Rotation, and Space Geodesy" and in the Department "Solar Physics". He/she must be ready to study in depth all aspects of GNSS-based ionospheric nowcasting and forecasting in support of space weather monitoring. We expect that the candidate acquires the necessary expertise regarding recent developments in ionospheric tomography based on GNSS observations.

The candidate must be willing to travel occasionally (short duration travels).

This job will be filled in as a full-time, contractual position of one year, based at the Royal Observatory of Belgium. The salary is fixed in accordance with the official Belgian public employee pay scale based on the diploma and the length of service recognized in a similar function. Recruitment is envisaged around Oct. 2009.

Required skills:

- Master or PhD in science (physics, mathematics) or applied sciences
- Knowledge in ionospheric tomography and/or TEC determination based on GNSS
- Expertise in scientific programming
- Being able to communicate fluently in English, orally as well as written, in order to participate in international scientific meetings and discussions, and to publish in peer-reviewed journals
- Being able to work in team

Knowledge in any or more of the following fields is a bonus:

- Parallel programming
- Ionospheric physics

More information about this vacancy and the project can be obtained from Pascale Defraigne (F) and Carine Bruyninx (NI), Project leaders, by mail p.defraigne@oma.be and c.bruyninx@oma.be.

Applications

Applicants should send a complete CV, including possibly a list of publications, together with their letter of motivation, to Royal Observatory of Belgium, att. C. Bruyninx, Avenue Circulaire 3, 1180 Brussels, or by e-mail to C.Bruyninx@oma.be, before July 15, 2009.