



JOB OPPORTUNITY

ROB HIRES A SOLAR PHYSICIST WITH EXPERIENCE IN OPTICAL DESIGN



The Royal Observatory of Belgium (ROB) is hiring a scientific collaborator to participate in the activities of its solar physics and space weather group (SIDC).

We seek an experienced professional with a scientific background and experience in the field of solar physics and space weather.

The candidate is expected to design an innovating optical system for spectral imaging.

Funding for a pioneering project have been obtained. The deliverables of this project constitute the design of an optical system capable of creating simultaneous 3D images of solar coronal structures, including the optics design, specifications, and scientific applications.

As the sole employee funded by the project the successful candidate will be responsible for all aspects of the project and its successful completion.

Furthermore, the successful applicant will be required to pursue his own research interests in solar physics and/or space weather in parallel to the optical design work. (S)He will be expected to utilise existing or future ROB instruments (such as PROBA2, PROBA3, etc) and integrate with existing research teams towards this end

More information can be found at <http://sidc.be> and <http://proba2.sidc.be>

WE ASK

- a PhD degree in astrophysics publications in solar physics
- Experience with space and ground instrumentation projects, with emphasis to imagers
- Proven ability to obtain research funding from competitive calls and managing budgets
- Experience with development of data reduction software
- knowledge of optical design, in particular experience with Zemax's OpticStudio package
- Knowledge of the programming languages: IDL, Python, C/C++

WE OFFER

We offer a contract at the SW2 salary scale. Salary, social security, pension scheme and working conditions are according to Belgian contractual civil servant regulations. This includes a flexible system of working-hours and the possibility to teleworking.

ROB is a Belgian federal institute in the southern green outskirts of Brussels (Uccle). Check out <http://observatory.be>

HOW TO APPLY?

A complete application includes a motivation letter and a full CV in PDF format (with details of previous work & study career). Please send your application no later than Sept 29, 2017 to david.berghmans@oma.be