



November 1, 2013

Positions in Space Physics: Post-doctoral researchers, PhD students and Coordinator/Planning officer

are available at the University of Oulu within the Centre of Excellence in Research on Solar Long-term Variability and Effects (ReSoLVE) of the Academy of Finland.

The first funding period covers the years 2014 – 2016, with a possibility of extension to 2017 – 2019.

ReSoLVE Centre of Excellence is an integrated research consortium of three research teams located in Oulu and two in Helsinki. ReSoLVE studies the long-term (centennial) magnetic evolution of the Sun, which depicts a dramatic increase in the 20th century and a recent rapid decline, and the effects of this variability to the space around the Sun and to the near-Earth environment, focusing on the long-term evolution of solar poloidal magnetic fields and their role in varying the level of electromagnetic disturbances and the flux of energetic particles in the near-Earth space.

The specific themes of the three ReSoLVE teams working at the University of Oulu are the solar wind and heliospheric magnetic field and their interaction with the Earth causing electromagnetic disturbances (HELIOS team), energetic particles in the near-Earth space (ENERGETIC team) and cosmic rays and atmospheric ionization (COSMIC team). Note that the effects of electromagnetic disturbances and energetic particles in the atmosphere are known to cause natural climate forcing whose overall significance is still unknown.

The vibrant atmosphere of challenging front-end research in an international team, as well as the wild beauty of nature of the Northern Finland, including auroral displays, are guaranteed.

Post-doctoral researcher positions

A few post-doctoral researcher positions will be filled preferably from 01.01.2014 onwards for 2-3 years, including a 4-month trial period. Extension may be possible if ReSoLVE is continued. PhD in space physics or a closely related field is required. Research experience within the above themes is appreciated. A good command of English is mandatory. Successful candidates are expected to focus on research, but need to devote a fraction of time to supervising PhD students, lecturing and/or other education. The salary for Post-doctoral researcher will be based on the job demand level 5-6 of the salary system for teaching and research staff in use in Finnish universities. In addition, on the basis of personal work performance, up to 46.3% of the job demand level can be paid, the total salary range being 2820 – 4817 € per month (<http://www.hallinto oulu.fi/upj/ypj-palkat20130101.pdf>). A slightly later start and part-time employment may also be possible.

PhD student positions

A number of PhD student positions will be filled preferably from 01.01.2014 onwards for 2-3 years, including a 4-month trial period. MSc degree in space physics or a closely related field is required by the start of the position. A good command of English is mandatory. Successful candidates will perform PhD studies and related research at the University of Oulu under the supervision of the ReSoLVE team leaders. A description of PhD student admission requirements can be found at <http://www oulu.fi/uniogs/>. The salary for PhD student will be based on the job demand level 2-4 of the salary system for teaching and research staff in use in Finnish universities. In addition, on the basis of personal work performance, up to 46.3% of the job demand level can



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be paid, the total salary range being 1944 € to 3558 € per month (<http://www.hallinto.oulu.fi/upj/ypj-palkat20130101.pdf>).

Coordinator/Planning officer position

A position of Coordinator or Planning officer will be filled from 01.01.2014 onwards for three years, including a 4-month trial period. Extension may be possible if ReSoLVE is continued. PhD degree in physics or related area is required for the Coordinator by 01.01.2014. MSc degree in physics or related field is required for the Planning officer by 01.01.2014. The duties of the Coordinator/Planning officer include, e.g., the practical coordination of the ReSoLVE project, financial and staff issues, organization of meetings and seminars, maintaining web pages, producing PR and educational material, maintaining data archives etc. A good command of Finnish and English is needed. Experience in project administration is appreciated. Planning officer may be/become a part-time PhD student in space physics. Salary for Coordinator/Planning officer is based at the university salary scale (other staff of Finnish Universities), requirement levels 7-10 (basic salary of 2163 - 3262 euro/month). Additional payments based on individual performance constitute up to 46.3 % of the basic salary (<http://www.hallinto.oulu.fi/upj/ypj-palkat20130101.pdf>).

Positions start to be filled after November 15, 2013

Applications submitted by November 15, 2013, will be included for the first round of evaluation and selection, and should be sent by e-mail to Registrar's office [[kirjaamo\(at\)oulu.fi](mailto:kirjaamo@oulu.fi)] and to Prof. Kalevi Mursula [[kalevi.mursula\(at\)oulu.fi](mailto:kalevi.mursula@oulu.fi)]. The entire application must be merged into a single pdf-file and attached to the e-mail including a subject field text "ReSoLVE Application".

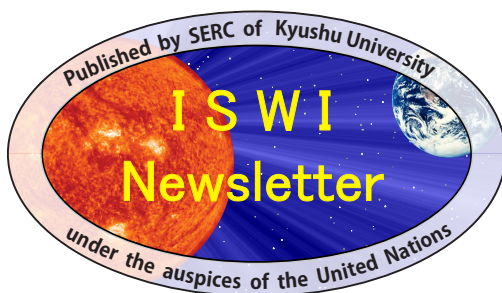
Positions will be filled as long as suitable applicants are found, which is expected to occur by the end of 2013.

The application must include the following parts:

- Curriculum vitae (max 4 pages).
- A brief description (max 2 pages) of research experience and/or interest and its relation to the research topics of ReSoLVE.
- A list of publications, with up to five most relevant publications highlighted (Only Post-doc and Coordinator positions).
- Names and contact information (incl. email and telephone number) of three persons willing to provide professional recommendations upon request.

For additional information, please contact:

Professor Kalevi Mursula, the Director of ReSoLVE
[kalevi.mursula\(at\)oulu.fi](mailto:kalevi.mursula@oulu.fi)



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