Stockholm University

Scientific programmer with focus on Earth System Modeling

within the Department of Applied Environmental Science (ITM) and the Bert Bolin Centre for Climate Research
Reference number SU 618-3622-12.
Deadline for applications: February 14, 2013

Background and position description

As part of the multidisciplinary Bert Bolin Centre for Climate Research, ITM contributes to the development and application of Earth System Models. These models are important tools for quantifying the past, recent and future states of the Earth System and the respective flows of matter and energy between and within the Earth system components. At ITM we contribute to Earth system science with respect to land surface and atmospheric aerosol processes. **The scientific programmer will support the development, testing, and running of Earth System Models such as EC-EARTH, mainly from a technical point of view.**

Tasks

The main focus of the work will be on land and atmospheric processes. The major tasks of the successful candidate will include maintaining code versioning and merging the individual developments of system compartments, designing numerical solutions and conceptualization, supporting the setting up and running of Earth System Models in the available computational facilities, designing optimal infrastructure for the modeling and data storage needs, and supporting the research staff in running the models.

Qualifications

Candidates with a minimum of a MSc degree in any quantitative science (e.g. physics, meteorology, geo-ecology or other geo-science, environmental and natural sciences, applied mathematics or computer science) are eligible for this position, given their strong motivation to complement their past training and to apply their expertise to Earth system modeling. A PhD in such fields of science is not mandatory but is considered beneficial. The candidate should have experience with prognostic models written in FORTRAN or C/C++ and the UNIX system environment. Demonstrated experience in scientific programming, solving numerical problems, and running Earth System Models (or equivalent large-scale models) for scientific purposes is considered strongly beneficial. In general, we seek a flexible and proactive person who is capable of independent thinking, likes to continuously learn about new scientific problems, and actively seeks solutions to these problems.

Employment conditions

This is a full-time, permanent position with a 6-month probationary. The expected starting date is as soon as possible after agreement.

Stockholm University strives to be a work place that is free from discrimination and with equal opportunities for all.

Information

For further information on the position, **contact Christian Beer, telephone +49 3641 576281**, email cbeer@bgc-jena.mpg.de or **Ilona Riipinen, telephone +46-73-5859251, email** ilona.riipinen@itm.su.se

Union representatives

Union representatives are Anqi Lindblom-Ahlm (SACO-S), Lisbeth Häggberg (Fackförbundet ST), telephone +46-(0)8-16 2000 (switch board), and Gunnar Stenberg (SEKO), telephone +46-(0)70-316 43 41.

Application

Your application, including *CV* with publication list and a cover letter outlining your qualifications and interest for this position, name and contact information to at least two reference persons, and any other documents (e.g., selected publications) you would like to include
should be submitted and labeled with the reference number SU 618-3622-12, no later than February 14, 2013, to:

Stockholm University
Registrar/PÄ
SE-106 91 STOCKHOLM
SWEDEN

or by e-mail to: registrator@su.se.

Applications sent by e-mail should be in Word- or pdf-format. Include the **reference number SU 618-3622-12 in the message line.**