



Scientific software development

The eScience Group at the Niels Bohr Institute (NBI), University of Copenhagen, seeks a candidate to work at the Data Management and Software Center (DMSC) for the European Spallation Source (ESS). The positions will be on a one-year contract with a possibility for extension, given sufficient funds.

The group:

The eScience group at NBI currently has 20 members, including 7 Ph.D. students and post docs. The software development will include close cooperation with the ESS simulation group, counting around 10 persons at NBI and the Technical University of Denmark (DTU) in Lyngby.

Job description:

The software development will take place in close cooperation with the ESS design groups based at NBI, DTU, the ESS in Lund and various other European centers. A central activity is the integration of the McStas neutron simulation code and the Mantid neutron data reduction and analysis framework, both of which are international software collaborations. Part of the development involves cooperation with the neutron scattering centers where Mantid is being developed, namely ISIS at Rutherford Appleton Laboratories, UK and SNS at Oak Ridge National Laboratories, USA. Some travel activity must therefore be expected.

Qualifications:

You must have a relevant university degree (M.Sc. or Ph.D.) within Physics, Engineering, Computer Science or equivalent. You should be qualified within one or more of the following areas:

- Development of scientific software using C++ or Python.
- Experience in the development of analysis software for neutron or X-ray scattering.
- Development of parallel programs using MPI, OpenMP or CUDA.
- Fluency in spoken and written English is a must, and spoken Danish is an advantage.

Terms of employment:

Terms of appointment and payment are according to the agreement between the Ministry of Finance and The Danish Confederation of Professional Associations (AC) on Academics in the State. A negotiable supplement will depend on the qualifications and experience of the applicant. The positions will be on a one-year contract with a possibility for extension, given sufficient funds. The salary and appointment terms are consistent with the current rules for employment at universities. This includes the possibility of salary negotiations.

Application

Your application for must be submitted electronically by clicking "Apply online" below. The application must include the following documents/attachments:

A statement of interests and motivation

Transcript of examinations undertaken at your home university (for Ph.D. candidates).

Master degree / Ph.D. degree certificate (if relevant).

CV (max. 3 pages)

Please mention 2 contact references in the CV.

Application deadline: June 11, 2012.

University of Copenhagen wishes to reflect the diversity of society and welcomes applications from all qualified candidates regardless of personal background.

Contact:

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[Udfyld ansøgningsformular](#)

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