



EISCAT Scientific Association

Kiruna 2016-02-04

Repost: Software Engineer for EISCAT Scientific Association

Updated terms Feb 2016

The EISCAT Scientific Association is seeking a highly motivated Software Engineer to join the EISCAT_3D project team to help develop a scalable and distributed system for a modern, multistatic, phased array radar system in Finland, Norway, and Sweden. This position will entail software design and programming work for subsystems that have 20- to 30-year anticipated lifetimes so it is critical that the candidates have modern, forward-looking, and standards-based approaches to design and development. The radar systems will initially consist of 20 000 channels at each of three sites, so engineering approaches that are properly scalable in a real-time environment are critical.

Qualifications:

- A Bachelors degree or higher in Information Technology/Computer Engineering/Software Engineering or a related field
- A minimum of 2 years experience
- Demonstrated good design as well as programming skills for distributed real-time processing
- Proficient programming skills in C and in some interpreted 4th generation language (e.g. Python or TCL)
- Expertise in hardware/software interfacing using APIs, especially with FPGA-based firmware design solutions
- Familiarity with structured design methodology covering specification, design, implementation, and testing of subsystems
- Good problem solving skills, pro-active hands-on mentality, a team player, driven to achieve success
- Excellent technical communication skills in English, both verbal and written, are necessary
- At least a category B driving license is required

Terms and how to apply:

The software engineer position is initially for two years, with an anticipated possibility of extension. EISCAT follows terms comparable to state employee rules. Headquarters is located at Space Campus situated a few kilometres away from central Kiruna, Sweden. For this, and other EISCAT_3D related project positions, we can offer a work location either at EISCAT Headquarters, or in a soon to be established project office in Uppsala, Sweden. We envisage a start date latest one to two months after signing an employment contract. This means that a successful candidate will have to either be already living in an EU or Nordic country or have a valid Swedish work permit at the time of signing. For further details about the position, please contact either Craig Heinselman, EISCAT Director, phone: +46 980 791 53, e-mail: Craig.Heinselman@eiscat.se or Sathyaveer Prasad, Project Engineer, phone: +46 980 791 71, email: Sathyaveer.Prasad@eiscat.se.

Applications should be sent to jobb@eiscat.se (subject: Software Engineer) at earliest convenience. The vacancy is open until filled.