

The **University of Saskatchewan** is the headquarters for the **Canadian SuperDARN, Super Dual Aurora Radar Network**, program. SuperDARN is an international collaboration involving 9 principal countries and more than 30 radar systems installed around the world. The Canadian SuperDARN program is a key partner in the international collaboration. Canada's strong technical team is currently responsible for the operation of five SuperDARN radar systems. These radars are located at Saskatoon, SK; Prince George, BC; Rankin Inlet, NU; Clyde River, NU; and Inuvik, NT.

SuperDARN - Radar Engineer

Job Description

There is a requirement for a radar engineer within the Canadian SuperDARN program. The main duties will relate to **routine operations and maintenance** of the remote sites, and development of radar operating system components, as well as sub-system firmware and software as needed for hardware integration and radar operation. Due to the complexity of the radar system, the individual will also be required to work with and develop a thorough understanding of the electronic sub-systems integrated in the complete instrument. The individual must be able to communicate scientific and technical details to the stakeholders. The individual must also be able to offer creative solutions, including complete and workable deliverables. The individual will be required to identify and prioritise potential development areas, while working both independently and within a team environment. **Multitasking** will be required to provide support in a **diverse** project environment, while maintaining an organised program. Part of the responsibilities will include travel to the radar sites for system installation, upgrades and maintenance.

Minimum Requirements

The successful candidate will hold an engineering degree in one of the following disciplines: engineering physics, electrical engineering or computer engineering. Electronic circuit design and **analysis skills**, along with a working experience of RF test and measurement equipment is essential. The candidate must also have a **working knowledge of UNIX-based** computer operating systems.

Advantages

Advanced knowledge of UNIX-based computer operating systems, experience with C programming and a knowledge of IT are of advantage to the candidate. Familiarity with antenna and transmitter/receiver design in the HF band, and knowledge of broadband RF modem systems are also desired.

Salary

Salary will be commensurate with experience, in the target range of \$60,000 - \$80,000 CAD per year.

Term

The initial appointment will be a full-time position with a 2 year term. Renewal will be based on performance.

Applications should be sent by mail or electronically to:

Prof Jean-Pierre St-Maurice
c/o Cindy Jelinski (Administrative Assistant)
Institute of Space and Atmospheric Studies
University of Saskatchewan
116 Science Place – Room 260
Saskatoon SK S7N 5E2 Canada

Email: cindy.jelinski@usask.ca

This job opportunity will be open until the position is filled.