



Nexteq Navigation

GNSS Engineer

Nexteq Navigation is a leading innovator in precise GPS positioning based in Calgary, Alberta. Nexteq has focused on bringing cost-effective precise positioning to a single receiver, greatly reducing costs and labour as compared to existing solutions like RTK and DGPS.

Nexteq technologies enable the use of several different sources of GPS corrections, including satellite based and Internet based, to greatly improve the achievable accuracies from a wide array of GPS receivers. Even consumer grade single frequency GPS receivers can achieve decimeter level accuracy while professional class receivers can achieve accuracies to 10 cm.

Due to market demand, Nexteq is expanding its research team to develop new technologies and products to take advantage of these opportunities. The successful candidate will work closely with other researchers and engineers. The research work will focus on front edge precise GNSS satellite positioning technologies.

Responsibilities

- Maintain and improve Nexteq current positioning firmware
- Research and develop new precise positioning technologies
- Test and analyze the performance of new algorithms
- Implement new technologies into existing Nexteq firmware and products

Qualifications

The ideal candidate will demonstrate the following:

- M.Sc. or PhD in Geomatics Engineering or related positioning discipline
- Experience with Kalman filtering and Least Squares filtering
- Experience with carrier phase based positioning
- Strong problem solving skills
- Strong programming skills including C/C++
- Experiences with RTK or PPP is an asset
- Strong communication skills and the ability for independent work

Application:

Please forward your resume via email to:

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