MEMS PROCESS ENGINEER

We are a Technology Company
Norcada is a photonics, MEMS and nanotechnology company located in Edmonton, Canada. The company focuses on the development and manufacturing of products with applications in environmental sensing, microscopy, microanalysis, genomics and quantum science. Since our founding in 2002, Norcada has developed a broad customer base for its products, with sales and product development collaborations in four continents and more than 40 countries worldwide.

The Position
Norcada is currently seeking candidates for a full-time “MEMS Process Engineer” position to support key engineering functions within its MEMS operations group. Specifically, this position will be tasked to (1) Troubleshoot process and product quality issues, and take corrective actions as necessary; (2) Understand equipment capabilities and utilize baseline process performance indicators to control and optimize key processes; (3) Provide technical support to other team members for production runs. This position will spend most of the working hours inside the cleanroom fabrication facility.

Key Responsibilities:

• Support production team for fabrication of both standard and custom products
• Operate various processing equipment when necessary to support production
• Develop and optimize processes using Design of Experiment (DOE)
• Create, edit and maintain processing documentation
• Work closely with the production team to maintain and improve yield, efficiency, quality control, and safety of our MEMS fabrication processes

Qualification and Experience:

• Post-secondary education in Physics, Engineering, Chemistry, or Materials Science (with BSc or MSc. degree)
• Hands-on experience in MEMS or Semiconductor processing, prototyping, and production
• Experience with various wafer-processing equipment (lithography, plasma etch, wet etch, thin film deposition, etc.)
• Experience with metrology tools used for fabrication processing, including SEM, ZYGO, AFM, VASE, and other characterization tools
• A team player with great communication and interpersonal skills
The Ideal Candidate

- Has excellent written/verbal communication and interpersonal skills. Knowledge and skills, written and verbal, in English are must haves.
- Has the ability to collaborate with other team members
- Has experience in MEMS device fabrication and process development
- Has the ability to carry out investigative work and solve process related issues
- Preferably lives within the greater Edmonton Area

To apply, please submit your resume by email: yuebin@norcada.com