POSTDOCTORAL POSITION IN GRAPHENE DEVICE OPTOELECTRONICS (NANOTECHNOLOGY INITIATIVE)

The Nanotechnology Initiative is a collaborative research effort between the National Research Council of Canada’s Nanotechnology Research Centre and the University of Alberta. These projects will utilize the expertise and facilities of both organizations.

A postdoctoral fellow for Graphene Device Optoelectronics will assist in the development of novel nanodevice platforms that integrate nanoplasmonics and nanoelectronics. These devices include graphene field effect transistors (GFETs) with gratings incorporated within the device.

The ideal candidate will have demonstrated qualifications of the following:

- PhD in experimental Physics, Engineering Physics, Electrical Engineering, or a related field, with a background in device fabrication and electronic measurements;
- Skills in designing and executing experiments using theoretical understanding of plasmonics and device physics;
- Experience with optical measurement techniques (spectroscopy and optical microscopy);
- A strong record of peer reviewed publications, including preparation of manuscript drafts and production of materials for publication;
- Excellent written and oral communication skills;
- Ability to work independently and mentor other team members.

This position will be based in the Physics Department at the University of Alberta, with supervision by Al Meldrum and co-supervision by Adam Bergren at the Nanotechnology Research Centre (National Research Council Canada), with office space in the NRC building, and labs used at both organizations.

The position begins as soon as possible, and can extended until MAR 31, 2021, subject to yearly performance and project funding reviews.

To Apply:

Please send cover letter, CV, and contact information for three references to:

Adam Bergren, PhD
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11421 Saskatchewan Dr., Edmonton, AB, Canada, T6G 2M9
Adam.Bergren@nrc.ca
Phone: 780-641-1762

Closing Date: Open until filled.

While all applications are thanked for their interest, only applications selected for an interview will be contacted.

The University of Alberta offers appointments on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities and Aboriginal persons.