



Part-time associate researcher to support ICI's projects related to Green Electronics Network

GreEN: The *Green Electronics Network* is a Pan-Canadian, global strategic network in the field of printed electronics funded by the Natural Sciences and Engineering Research Council of Canada (NSERC), led by Professors Mario Leclerc of Laval University in Quebec City and Tricia Carmichael of the University of Windsor. The network includes 19 academic researchers, thirty industrial partners, Canadian government research organizations as well as international organizations and associations. All of its members concentrate their efforts on the creation of new, carbon-based green printed electronics to gradually replace the use of unsustainable, non-recyclable materials that are harmful to the environment.

The network is divided into two themes: 1. *Green Materials and Processes for Printed Electronic Devices*, led by Drs Yunning Li (University of Waterloo) and Greg Welsh (University of Calgary) devoted to research into new materials; and 2. *Printing Processes and Device Fabrication* led by Drs. Konrad Walus (University of British Columbia) and Chloe Bois (ICI - Ahuntsic College, Montreal).

Over the course of five years, the network will develop new materials, formulate them into inks, print them on a lab scale and on an industrial scale, and train staff to a high level for participation in the Canadian and international high-tech labor markets.

ICI: The Institute of Graphic Communications and Printability (ICI) is located in Montreal. It is a Collegial Centre for Technological Transfer at the provincial level, and a Centre for Access to Technology at the federal level that accompanies manufacturers through their development process via consultation mandates and applied research innovation projects. In Canada, the ICI is a prototyping centre for universities and industry for the development of innovative printed applications. The multidisciplinary research team works mainly on product industrialization, including printed graphics, printed electronics and silicon electronics.

The team is made up of researchers, engineers, specialist technicians and students in the fields of printing technology, graphic communication, chemistry, materials and processes.

Principal tasks

- Production of written reports, regular presentations, and progress updates for industrial and academic partners.
- Participation Green electronics projects.
- Participation in formulation projects at ICI.
- Participation in the organization of ICI laboratories.
- Contribution to the good atmosphere of the ICI team and that of the strategic network.
- Presentation and explanation of work performed to the other partners of the ICI.

Requirements

- PhD or PhD student in Chemistry, Process Engineering or Materials Sciences. Appreciated: experiences in printed electronics, organic electronics or flexible electronics, advanced materials, formulation, graphene.



- Project management experiences appreciated, but the applicant will be trained at ICI.
- English written and spoken fluently, French will be a plus.
- Strong interest in industry and applied research.
- Team player.
- Curiosity, determination, proactivity, and the ability to summarize and explain the project to non-technical audiences.

Working conditions

- 75% On-site but depends on the tasks.
- Position currently open, to be filed as soon as possible.
- Renewable working contract of 3 months.
- 21\$/h – 20h/week.

Diversity and gender equality

One of the strongest commitments of members of the GreEn network is to promote and value diversity and gender equality. The network is committed to providing an inclusive environment and to support the integration to all of its personnel.

Among other things, personalized mentoring and networking activities are offered to promote the inclusion of under-represented groups in the fields of science, technology, engineering and mathematics, as well as to support various academic, industrial and entrepreneurial careers envisaged for the futures of the highly qualified personnel trained by the network.

Please send CV, cover letter, and any documents with relevance to:

ressources.humaines@i-ci.ca

With the present situation, please take the latest Canadian and Québec transport restriction into consideration before applying.