

*Institut national de la recherche scientifique (INRS) is a research-intensive university offering graduate-level training. One of Canada's leading research universities in terms of grants per professor, INRS brings together some 150 professors and close to 700 students and post-doctoral fellows in its centers in Montreal, Quebec City, Laval, and Varennes. Conducting fundamental research essential to the advancement of science in Quebec as well as internationally, INRS research teams also play a critical role in developing concrete solutions to problems facing our society.*

The Centre Énergie Matériaux Télécommunications of INRS is currently seeking a

## PROFESSOR-RESEARCHER ULTRAFAST MATERIALS CHARACTERIZATION (Tenure-track position – Research Chair – Tier II)

The areas of expertise aimed at, but not limited to, are: time-resolved electron microscopy, electron microscopy, ultrafast electron diffraction, ultrafast characterization of materials, ultra-fast lasers and photonics and their applications in materials science for various areas such as, for example, biomedical and energy.

The candidate should be able to establish collaborations with research teams already in place, while developing or maintaining partnerships with groups outside the Centre. The ability to develop partnerships with companies is particularly valuable.

This position is incorporated within an environment where about forty professors-researchers undertake leading-edge research and training in diverse fields of sustainable energy, advanced materials, ultrafast photonics, telecommunication systems and nanobiotechnology.

The Centre hosts unique major research infrastructure including the Advanced Laser Light Source and the Laboratory of Micro and Nanofabrication, comprising the Infrastructure of Nanostructures and Femtoscience (<http://lmn.emt.inrs.ca/EN/inf.htm>).

This new position is intended to lead a recent major **\$15M** addition, the Infrastructure for Advanced Imaging (IAI), which consists of a time-resolved electron microscope awarded by the Canada Foundation for Innovation (CFI) in the 2012 competition. **This microscope will be unique worldwide.**

### REQUIREMENTS:

- Doctorate in a relevant discipline (physics, materials science, engineering, chemistry).
- An outstanding record of research accomplishments that will enable her/him to successfully develop a strong independent research program.
- The aptitude for teaching and supervising graduate students and other trainees.
- The ability to work in a multidisciplinary team and within research networks.
- The ability to collaborate with industrial partners.

We actively seek an outstanding candidate who is eligible to be nominated for a Tier II Canada Research Chair.

Potential sources of funding include the Natural Sciences and Engineering Research Council of Canada (NSERC) and the Fonds de recherche du Québec – Nature et technologies (FQRNT).

The Centre is located in Varennes, on the South Shore of Montreal.

The working language of INRS is French. Candidates whose native language is not French are encouraged to apply. The Centre will provide them with all the resources necessary to facilitate their learning of the French language.

Salary and benefits are in accordance with the current collective agreement at INRS.

Interested candidates should submit a full curriculum vitae by e-mail and registered mail, a statement of research interests (max. 3 pages), a statement of teaching philosophy, a copy of their three most representative publications, and the name and coordinates of three references, before **July 15<sup>th</sup>, 2013**, indicating competition number **DS 13-05** to:

**Dr. Federico Rosei, Director**, Centre Énergie Matériaux Télécommunications  
1650, boul. Lionel-Boulet, Varennes (Québec) J3X 1S2  
[rosei@emt.inrs.ca](mailto:rosei@emt.inrs.ca)

INRS is committed to equity in employment and diversity.  
INRS welcomes applications from indigenous people, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations. Priority is given to Canadian citizens and residents.

Currently, we plan to hold interviews at the end of August and/or beginning of September 2013.

[WWW.INRS.CA](http://WWW.INRS.CA)

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