

mrs.org/careers-advancement



MRS Career Central is a one-stop shop for all your career development needs.

Hosted on our Career Central website, **the MRS Job Board is FREE to job seekers**, serving as the first place to turn to find job openings in the materials science field. The Job Board allows quick and easy access to hundreds of industry-specific job listings, anonymous resume posting and job-alert options to meet your specific needs.

Career Fairs at MRS Spring and Fall Meetings continue to serve as forums to expand your career or your company—providing on-site job interviews, mentoring sessions, resume critiques and mock interviews.

Additional Professional Development sessions or workshops are also offered at MRS Meetings and may include:

- ◆ Preparing for Your Next Job Interview
- ◆ Negotiating a Job Offer
- ◆ Essentials of Getting Your Work Published
- ◆ How to Use Your Social Media to Connect with Your Colleagues and the Press

FACULTY POSITIONS



Materials Science and Engineering University of Pennsylvania

The Department of Materials Science and Engineering within the School of Engineering and Applied Science at the University of Pennsylvania seeks outstanding applicants for tenure-track assistant professorships. Applicants for tenured associate and full professorships will also be considered. The department is interested in candidates with expertise in any aspect of materials science and engineering.

Deadline for applications is **November 1, 2019**.

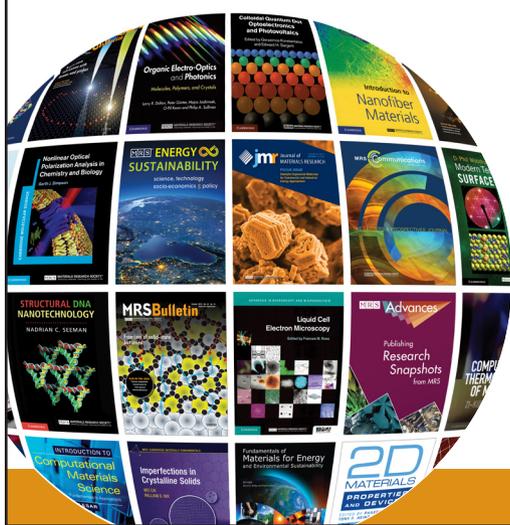
Applications must be submitted online at <https://apply.interfolio.com/65160>.

Additional instructions are available at <https://mse.seas.upenn.edu/open-faculty-positions/>.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class.

PUBLISH WITH MRS!

The Materials Research Society has a journal for every materials topic and every stage of your research. Explore your options at mrs.org/publications-news.



- **MRS Advances** mrs.org/mrs-advances
Reports snapshots of work in progress on key materials topics identified by MRS Meeting programming. Accepts Contributed Articles and Invited Reviews.
- **MRS Communications** mrs.org/mrc
Publishes materials research that is impactful, urgent and of broad interest to the materials community. Accepts Research Letters and Prospective Articles—forward-looking authoritative assessments of specific topics.
- **Journal of Materials Research** mrs.org/jmr
Publishes advances in new materials and novel functionalities and development of performance improvements relative to state of the art. Accepts full-length Research Articles and Reviews.
- **MRS Energy & Sustainability** mrs.org/energy-sustainability-journal
Addresses broad perspectives in energy and sustainability as they relate to the impact of materials research on society. Accepts Review Articles, Commentaries and Perspectives by proposal or invitation.
- **MRS Bulletin** mrs.org/bulletin
Provides thematic materials overviews, research news, industry and policy developments, and MRS and materials community news and events. Accepts Theme Topics and Articles by invitation or proposal.







PROFESSOR IN PLASMA SCIENCE AND APPLICATIONS

(AP 18-05)

Institut national de la recherche scientifique (tenure-track position)

Context and summary

Institut national de la recherche scientifique (INRS) is the only institution in Québec (Canada) dedicated exclusively to graduate level university research and training. The influence of our faculty and students extends around the world. In partnership with the community and with industry, we are proud to contribute to the development of society through our discoveries and through the training of young scientists.

INRS would like to fill a new faculty position in the area of plasma science and applications. The successful candidate will collaborate with the multidisciplinary research program at the INRS Énergie Matériaux Télécommunications Research Centre by bringing recognized expertise in experimental plasma physics applied to materials synthesis, characterization, and treatment.

Main duties and responsibilities

- Develop an original and innovative program of applied and fundamental research in plasma physics oriented preferably (but not exclusively) towards the following applications:
 - Plasmas for the synthesis of thin film and nanomaterials relevant to various fields of application (catalysis, energy conversion, photonics, 3D printing, etc.);
 - Plasmas for the treatment of organic and inorganic materials relevant to various fields of application (etching or nanostructuring of materials, modification of polymers, treatment or destruction of cells, restorative surgeries, etc.);
- Secure external funding from a variety of funding agencies, both provincial and federal, also involving various partners from the public and private sectors whenever needed/pertinent;
- Participate in teaching and training at the graduate level (both M.Sc. and Ph.D. students), as well as supervising post-doctoral fellows and research personnel.

Requirements

- Doctorate in physics, chemistry, physical engineering, chemical engineering, materials science or related fields, with specialization in experimental plasmas or plasma-assisted processes;
- Have a thorough knowledge of plasma physics (atomic-scale mechanisms, properties of plasmas and sources, plasma diagnostics);
- Relevant postdoctoral research experience would be an asset;
- Strong scientific publishing record illustrating leadership and innovation;
- Ability to work in multidisciplinary teams and networks as well as in collaboration with representatives of various agencies.
- Aptitude for basic and applied research, as well as multidisciplinary teaching and mentoring at the masters and doctorate levels;
- Entrepreneurial qualities and demonstrated ability to secure external research funding;
- Preference will be given to junior candidates. However, exceptional senior candidates will also be considered.

Working language

French is the official language at INRS. Fluency in English is required. 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.

Workplace

Institut national de la recherche scientifique (INRS)

Centre Énergie Matériaux Télécommunications

1650, boulevard Lionel-Boulet, Varennes (Québec) J3X 1S2 CANADA

Varennes is located on the South Shore of Montreal.

Salary

In accordance with the collective agreement in effect at INRS.

How to apply

Interested applicants should send their application including a complete curriculum vitae, a copy of their three most significant publications, a three-page summary of their research interests, a statement of teaching experience and philosophy, and the names and contact information of three referees, before **October 31st 2019** indicating position number AP 18-05 by e-mail at concours@emt.inrs.ca or by mail to:

Director

Institut national de la recherche scientifique (INRS)

Centre Énergie Matériaux Télécommunications

1650, boulevard Lionel-Boulet, Varennes (Québec) J3X 1S2 CANADA



**Institut national
de la recherche
scientifique**

INRS subscribes to an equal access employment program and an equity employment program. The Institute invites women, visible minorities, ethnic minorities, natives and people with disabilities to apply. Priority will be given to candidates with Canadian citizenship or permanent resident.

INRS.CA