Department of mathematics and statistics
Canada Research Chairs Competition
Call for External Applications

The Department of mathematics and statistics of the Faculty of Science and Engineering at Laval University (Quebec City, Canada) solicits applications for submission to a competition for NSERC Canada Research Chairs (tier 1 and tier 2).

Applicants for the chair in \textit{numerical strategies and stochastic models} must propose a research program involving the analysis, numerical simulation and applications of stochastic ordinary and partial differential equations. Candidates are solicited with interests for applications in fields, such as, but not limited to, the medical domain (infectious diseases, cardiovascular models, biomechanic, etc.); biology (ecology, animal behavior, etc.); environmental sciences (climate changes, global warming, etc.). Applicants must be applied mathematician demonstrating a strong interests in real life applications allowing adequate financing of his or her research. The selected candidate will join and complement the current group of researchers working on determinist partial differential equations. This chair will take a leadership role for all activities and numerical developments related to stochastic models and will benefit from the scientific and industrial partners already in place. The interdisciplinary approach of the applied mathematics group offering an environment facilitating the integration and development of the network of collaboration and partnerships of the selected candidate.

\textbf{University's commitment to equity, diversity and inclusion}

Laval University promotes excellence in research and research training and ensures equal opportunities for all candidates in accordance with its recruitment policies, including the "Access Equality of Employment Program".

For the University, excellence and equity are compatible and complementary. For example, Laval University has defined its \textit{Equity, Diversity and Inclusion Action Plan} to increase the representation of women, Aboriginal people, people with disabilities and those belonging to visible minorities in Canada Research Chair (CRC) positions at our institution.

As a result, this competition is open to all nominations, including those from minority groups i.e., women, Aboriginal peoples, persons with disabilities and persons belonging to visible minorities. However, due to the underrepresentation of persons belonging to visible minorities and persons with disabilities, priority will be given to applications from individuals who identify themselves as belonging to one or both of these groups and with a comparable level of excellence.

\textbf{Required profile}

The Canada Research Chairs Program (CRC) aims to attract and retain some of the most accomplished and promising researchers in the world.

For \textbf{Tier 1 Research Chairs}, applicants are outstanding researchers, recognized by their peers as world leaders in their field. They must provide an original, innovative research program of the highest quality and have skills in teaching and supervising graduate students.

For \textbf{Tier 2 Research Chairs}, applicants are new investigators, recognized by their peers for their potential or achievements in their field. They must offer a promising and innovative research program as well as
demonstrate interest and competency in teaching. They must have been active in their field for less than 10 years at the time of the nomination.

Candidates who obtained their most advanced degree more than 10 years ago (and whose career has been interrupted for reasons mentioned below) may have their eligibility to a Tier 2 Chair evaluated according to the CRC Program. For more information, please contact Jean-Philippe Marquis (jean-philippe.marquis@vrr.ulaval.ca) at the Office of the Vice Rector of Research, Creation, and Innovation (VRRCI) at Laval University.

Career interruptions and delays
To respect its commitments in terms of diversity and equity, Laval University recognizes that career interruptions like parental leave, medical leave, clinical training, health-related family issues or handicaps can have adverse effects on productivity and research accomplishments. Candidates are therefore encouraged to mention these aspects in their letter of intent, when applicable.

Furthermore, within the scope of this call for applications, conciliation measures can be confidentially offered to people living with a handicap. If you require such a conciliation measure, please contact the person in charge of equity, diversity and inclusion considerations at the Faculty of Science and Engineering, Patrice Bouchard at Patrice.Bouchard@fsg.ulaval.ca, Tel.: 418-656-2131 ext. 406543.

Submission of the documents
- A CRC curriculum vitae which has two sections, namely
  - The CRC CV form.
  - The CRC CV annex as required on pages 4 to 7 in the CRC CV form.
- Research project: a description of the research program (3 to 6 pages) as required in sections 2a to 2f of the CRC nomination form

Deadline for reception of applications by the Department
The deadline for receipt of applications for the department is June 11, 2019. Interested persons are invited to contact Lajmi Lakhal-Chaieb, the chair of the department, as soon as possible, by email (directeur@mat.ulaval.ca).

Additional information
Applications selected by the Department of mathematics and statistics must successfully pass an internal selection at Laval University (preselection of the Faculty of Science and Engineering and selection by the institutional committee) and evaluation by the Canada Research Chair. Applications will be evaluated according to the following criteria: quality of the chair holder, quality of the research program, structuring effect, and commitment of the community.