Research associate in large-scale flood modelling

Posting period: March 10 to March 20, 2021

Position title: Research associate in large-scale flood modelling

Brief description of duties:

- Run ArcGIS Python tools to extract channel width and bed elevation of rivers from LiDAR data for several watersheds in Quebec;
- Run LISFLOOD-FP hydraulic simulations based on a series of discharge for several watersheds in Quebec;
- Complete the post-processing of simulated flood zones based on a series of GIS tools developed in collaboration with the Ministry of Environment of Quebec.

Qualifications of the generic job description and / or specific qualifications:

- Master’s degree in the field of environmental science with a thorough knowledge in hydrology and hydrogeomorphology
- Advanced Geographical Information System (GIS) knowledge
- Knowledge of Python programming

Principal Investigator or Immediate Supervisor: Dr. Pascale Biron

Salary information and classification: $26.22/hour

Planned start and end date of appointment: March 21, 2021 until March 15, 2022

Application instructions:

Send a CV to pascale.biron@concordia.ca

The University’s Employment Equity statement:

Concordia University is strongly committed to employment equity within its community, and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, members of visible minorities, Indigenous persons, members of sexual minorities, persons with disabilities, and others who may contribute to diversification; candidates are invited to self-identify in their applications.

Usual work schedule: 9:00 to 17:00

Approximate number of weekly hours of work: 35 hours