



6 PhD Students – McMaster Centre for Climate Change, McMaster University, Hamilton, Ontario, Canada.

McMaster Centre for Climate Change, McMaster University, Hamilton, Ontario, Canada (<http://climate.mcmaster.ca>) is recruiting 6 PhD students as part of a newly funded project to explore the impacts of climate change, extreme weather events and forest management activities on carbon, water and nutrient cycle processes in an age-sequence of temperate forests in Southern Ontario, Canada. The sites are part of the Turkey Point Flux Station (http://fluxnet.ornl.gov/site_list/site/Turkey%20Point). You will join and collaborate with a multidisciplinary team of scientists from McMaster, University of Toronto, Environment Canada, Ontario Ministry of Natural Resources, Natural Resources Canada-Canadian Forest Service and Long Point Region Conservation Authority.

POSITION (NAMES OF POTENTIAL SUPERVISORS):

- PhD student - Micrometeorological measurements (carbon and water fluxes) (Dr. Altaf Arain)
- PhD student - Belowground biomass estimation, using Ground Penetrating Radar (Dr. Joe Boyce)
- PhD student – Biometric and ecological measurements (Dr. Jing Chen, U of Toronto)
- Ph.D student – C and N cycle modelling, using ecosystem land surface-atmosphere interaction models (Dr. Paul Bartlett and Dr. Altaf Arain)
- PhD student – Catchment scale hydrologic modelling, using distributed hydrologic models (Dr. Paulin Coulibaly)
- PhD student – Environmental and Economic Modelling: Integrating biological and economic models to evaluate the economic potential and vulnerability of intensively managed forests to climate change (Dr. Dan McKenney and Dr. Altaf Arain)

REQUIREMENTS: A background in a relevant discipline such as: biogeosciences, climatology, economics, environmental science, forest science, forestry, hydrology, hydrologic or ecosystem modelling, or meteorology is required. Past experience in field work, data analysis, programming (for modelling students) and statistics is preferred. Five of the students will be located at McMaster University in Hamilton, Ontario, Canada and one at University of Toronto, Toronto, Ontario, Canada.

APPLY: Interested students are encouraged to send their (i) CV, (ii) one page statement of interest, (iii) copies of recent transcripts, (iv) TOEFL score (if international applicant) and (v) contact information of 2 referees. *Clearly indicate the position(s) you are applying to in your application and email subject line.* **Submit your application, electronically, before 20 January 2014**, to the Climate Centre coordinator Dr. Myroslava Khomik at khomikm@mcmaster.ca. If you have any additional questions regarding the application, please contact Dr.Khomik.

McMaster University is committed to employment equity. Women, aboriginal people, people with disabilities and visible minorities are encouraged to apply. Priority will be given to Canadian citizens and permanent residents. Positions open until filled.

Sincerely,

M. Altaf Arain (Ph.D)

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