Postdoctoral Research Fellow
Computational Statistics

UNIVERSITY OF GUELPH

CHANGING LIVES
IMPROVING LIFE

Dept. of Mathematics & Statistics, University of Guelph

Supervisors: Dr. Paul McNicholas, Associate Professor & University Research Chair

Funding Sources: NSERC Collaborative Research and Development Grant

University Research Chair in Computational Statistics

Start Date: February 1, 2013, or as soon as possible thereafter.

Duration: Initial one year appointment, renewable.

Salary Range: $45,000 to $50,000 gross, depending on experience.

Overview: An exciting opportunity exists for a Postdoctoral Research Fellow to join a vibrant research group in the Department of Mathematics & Statistics at the University of Guelph. The group is led by Dr. Paul McNicholas and specializes in computational statistics, specifically, in the development of novel clustering and classification methodologies. The group currently comprises two faculty (Dr. McNicholas and Dr. Ryan Browne), two postdoctoral research fellows, eleven doctoral students, as well as several Master's students.

Description: The work involves the development of novel mixture model-based techniques for clustering and classification of complex, often high dimensional, data. These include problems with missing data, problems with manifest variables of mixed type, and problems around model misspecification. This project is the result of ongoing collaboration between Dr. McNicholas, Dr. Browne, and an industry partner; therefore, the successful candidate will gain experience working with an industry partner.

Qualifications: A Ph.D. in Statistics or a closely related field is required. The ideal candidate will have demonstrated research ability in relevant areas of statistics and will be a capable programmer. Excellent written and oral English language communication skills are crucial.

Application: To apply, send a *curriculum vitae* including contact information for three referees who can speak to your research abilities, a list of publications, a statement outlining your other research activities, and a brief description of your programming abilities to Dr. McNicholas at paul.mcnicholas@uoguelph.ca. Please indicate that you are applying for position **CSPM2**. Applications will be considered until the position is filled.