Post-Doctoral Fellowship Opportunity

The Department of Linguistics and Languages in the Faculty of Humanities and
The Department of Computing and Software in the Faculty of Engineering
at McMaster University invites qualified candidates to apply
for a 2-year Post-Doctoral Fellowship.

Job Title: Post-Doctoral Fellowship

Posting Date: July 21, 2015
Application Deadline: Open until filled
Position Start Date: Fall 2015 (negotiable)
Position End Date: Fall 2017
Supervisors: Dr. Victor Kuperman (McMaster), Dr. Fei Chiang
                             (McMaster)
Remuneration: $50,000

Department: Linguistics and Languages,
                             Computing and Software

***This position is included within the Canadian Union of Public Employees
("CUPE") Local 3906 Unit 3, representing Post-Doctoral Fellows.***

Description of Role:

Applications are solicited for a postdoctoral fellowship in the Cognitive Science of
Language graduate program at McMaster University for the topic of developing
psychologically grounded tools for sentiment analysis. Applicants would have their
primary affiliation and work location in the Department of Linguistics and Languages at
McMaster University, and will be working closely with a vibrant cross-faculty team of
linguists, psychologists and computer scientists. The selected candidate will contribute to
a research program that explores individual and group (gender, age) variability in
perception and regulation of emotion. Primary responsibilities will include investigating
new algorithmic techniques for identifying fine-grained sentiment on textual data, and
semi-structured data, including social media. Equally important to the project is the
development of lexical-semantic tools allowing big data analyses of text corpora for the
purposes of text classification, topic modeling, development of semantic networks, and
estimation of semantic similarity. The postdoctoral fellow will also have a teaching load
of one one-term course a year as well as minor advising duties.

Qualifications:

A Ph.D. in computer science, computational linguistics, artificial intelligence or similar

disciplines is required. The candidate's primary expertise will be in natural language processing, sentiment analysis, and/or computational linguistics. Proficiency in machine learning techniques is highly desirable.

Application Procedure:

The successful applicant will join the Department of Linguistics and Languages at McMaster University. The Department hosts a vibrant graduate program in the Cognitive Science of Language that has a strong research orientation and offers expertise in all major areas of Cognitive Science and Linguistics.

The successful applicant will also be affiliated with the Department of Computing and Software, and regularly engage with members of the McMaster Data Science Lab. The supervision will be conducted jointly by Dr. Victor Kuperman (Linguistics and Languages), Dr. Fei Chiang (Computing & Software), with substantial contributions from members of the Psychology, Neuroscience and Behavior department.

Interested applicants should contact Dr. Victor Kuperman (vickup@mcmaster.ca) with cover letter, statement of research interests, CV, and three letters of recommendation, and 2 representative publications reflecting expertise from the desired research areas. The appointment will be made for one year, and will be renewed for another year based on evidence of successful progress. The position will begin in Fall 2015 (a later date negotiable). The application process will be ongoing until the position is filled. International applicants are welcome.

McMaster 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, Aboriginal persons, members of sexual minorities and persons with disabilities.