



***Master's and PhD Students in Electrical, Computer or Biomedical Engineering***

**DESCRIPTION:**

Carleton University (in collaboration with Bruyère Research Institute) is seeking exceptional Master's and PhD students in Electrical, Computer or Biomedical Engineering to contribute to research supported by AGE-WELL NCE. The project, **WP5.1 Ambient-Based Physiological and Functional Monitoring (AMBI-MON)** aims to develop sensor systems that can be embedded in the person's environment and that deliver health and functional information in real time. WP5.1 AMBI-MON is co-led by Dr. Rafik Goubran (Vice-President Research and International at Carleton University) and Dr. Frank Knoefel (Care of the Elderly Physician and Senior Investigator at Élisabeth Bruyère Hospital).

Successful candidates will conduct their thesis in areas that focus on smart sensors, data analytics and signal processing applied to mobility, medical monitoring and memory.

**QUALIFICATIONS:**

- Excellent interpersonal and communication skills
- Ability to work independently and in a team to meet strict deadlines
- Knowledge of digital signal processing, data analytics and real-time systems
- Technical skills includes programming, MATLAB and interface design

**APPLICATION:**

Interested individuals are asked to send their CV and academic transcript to:

**Caroline Ethier, AGE-WELL's Work Package (WP) 5 Coordinator at: [cethier@bruyere.org](mailto:cethier@bruyere.org)**

Please note: Successful applicants must meet the admission requirements and be admitted to a graduate program at Carleton University.

Further details are available at the following links: [www.ociece.ca](http://www.ociece.ca), and [www.ocibme.ca](http://www.ocibme.ca).



***Part-time or Full-time Technologist in Electrical, Computer or Biomedical Engineering***

**DESCRIPTION:**

Carleton University (in collaboration with Bruyère Research Institute) is seeking exceptional Electrical or Computer Technologist to contribute to research supported by AGE-WELL NCE. The project, **WP5.1 Ambient-Based Physiological and Functional Monitoring (AMBI-MON)** aims to develop sensor systems that can be embedded in the person's environment and that deliver health and functional information in real time. WP5.1 AMBI-MON is co-led by Dr. Rafik Goubran (Vice-President Research and International at Carleton University) and Dr. Frank Knoefel (Care of the Elderly Physician and Senior Investigator at Élisabeth Bruyère Hospital).

Successful candidates will support research on smart sensors, data analytics and signal processing applied to mobility, medical monitoring and memory.

**QUALIFICATIONS:**

- Excellent interpersonal and communication skills
- Ability to work independently and in a team to meet strict deadlines
- Technical skills including programming, MATLAB, interface design and real-time systems

**APPLICATION:**

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