

Postdoctoral Associate Position Opportunity

Department: Electrical & Computer Engineering

Supervisor: Ana Luisa Trejos

Description of Research and Position:

This is one year, full-time position to work on research required to develop a wearable rehabilitation system using electronic textiles. The work will involve developing novel sensors and actuators and integrating them into a glove. It also involves data processing and machine learning. This work will take place at the Wearable Biomechanics Laboratory.

Accountabilities of the Role:

Conduct research on the design of mechatronic garments. Apart from standard research work, this will involve developing experimental setups, creating sensors via weaving, stitching and embroidery, designing and building circuit boards for data acquisition and testing, and developing machine learning algorithms to interpret the data.

Educational Requirements necessary for the Role:

Doctoral degree in biomedical engineering with experience in mechatronic system design and machine learning, as well as experience with e-textile development.

Number of Opportunities: 1

Proposed Start Date: 01/02/2024

Length of Appointment: 1 year

Please note that the length of appointment may change.

How to Apply:

Contact Ana Luisa Trejos (atrejos@uwo.ca)

Posting Expires: February 1, 2024

Note: Postings must be publicly available for a minimum of 10 days.