

## Postdoctoral Associate Position Opportunity

**Department:** Biomedical Engineering

**Supervisor:** Ana Luisa Trejos

### Description of Research and Position:

Area of research: Development of Twisted Coiled Actuators for Wearable Devices

Position: Construction, testing and integration of software and hardware components required to integrate twisted coiled actuators into a wearable device for tremor suppression or for rehabilitation.

### Accountabilities of the Role:

- Software development and testing
- Embedded system design and construction
- Integration of hardware and software
- Data collection and analysis
- Student supervision

### Educational Requirements necessary for the Role:

PhD degree required, with background in mechatronics systems engineering and biomedical engineering. Relevant research background in the following areas: twisted coiled actuator construction, design and construction of embedded systems, control systems with emphasis on devices that are worn on the human body, knowledge of biosignal measurement and analysis, experience with modelling of human motion from measured biosignals (including EMG and motion data).

**Number of Opportunities:** 1

**Proposed Start Date:** 01/01/2021

**Length of Appointment:** 12 months

*Please note that the length of appointment may change.*

### How to Apply:

To apply, please send your CV, statement of research and three representative publications to Dr. Ana Luisa Trejos (atrejos@uwo.ca).

**Posting Expires:** December 5, 2020

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