Harvard John A. Paulson School of Engineering and Applied Sciences

60 Oxford Street, Cambridge, MA 02138
dperry@seas.harvard.edu
seas.harvard.edu

David Perry
Executive Director | Assistive Technology Initiative

September 14, 2020

**Positions:** Research Fellow, Postdoctoral Research Fellow

**School:** Paulson School of Engineering and Applied Sciences, Harvard University, Boston, MA, USA; and Sargent College of Health and Rehabilitation Sciences, Boston University, Boston, MA, USA

**Location**: Boston, MA, USA

**Overview:** Harvard University's Assistive Technology Initiative has an immediate opening for a research fellow to coordinate and lead a research project at the intersection of wearable sensing, controls, neurophysiology, movement science, and clinical rehabilitation. The position will involve work underway at the Harvard Biodesign Laboratory (https://biodesign.seas.harvard.edu) and Boston University Neuromotor Recovery Laboratory (https://sites.bu.edu/nrl) with a focus on advancing research in the area of functional electrical stimulation towards commercialization. The research fellow will work as part of a highly multidisciplinary team with backgrounds in engineering, biomechanics and rehabilitation science. The position will involve contributing to the development of new technology as well as its evaluation on clinical populations. The position is ideal for preparing individuals for a career in medical technology innovation either in industry or academia.

**Duties and responsibilities:** The research fellow will be co-mentored by project faculty and staff leads to set the overall project direction and contribute technically to system development. The research fellows will work with a multidisciplinary team of graduate students, research physical therapists, and movement scientists to coordinate technical development, biomechanical and clinical testing, and planning for technology translation. Ideal candidates for this position will have strong team management experience, and excellent communication skills.

**Qualifications:**

- *Postdoctoral Research Fellow:* PhD in engineering
- *Research Fellow:* Bachelors or Masters in engineering
- Prior experience with embedded systems, robotics, or biomechanical analysis is desired
- Interest in the development and translation of rehabilitation technologies is strongly preferred

**Additional information:** These positions are for one year with a possibility for renewal of a second year. Applications should include a cover letter detailing research interests, CV, and links to any relevant prior work and send to Lou Awad and David Perry. We will begin review of applications immediately and continue until the position is filled.

David Perry | Executive Director | Harvard Assistive Technology Initiative
dperry@seas.harvard.edu

Lou Awad, PT, DPT, PhD | Director | Neuromotor Recovery Laboratory at Boston University
louawad@bu.edu