

## Contact

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## Top Skills

Medical Devices

Biomedical Engineering

Simulations

# Conor Walsh

Professor of Engineering and Applied Sciences at Harvard University  
Cambridge, Massachusetts, United States

## Summary

Conor Walsh is the Paul A. Maeder Professor of Engineering and Applied Sciences at the John A. Paulson Harvard School of Engineering and Applied Sciences and an Associate Faculty Member at the Wyss Institute for Biologically Inspired Engineering. He is the founder of the Harvard Biodesign Lab, which brings together researchers from the engineering, industrial design, apparel, clinical and business communities to develop new disruptive robotic technologies for augmenting and restoring human performance. This research includes new approaches to the design, manufacture and control of wearable robotic devices and characterizing their performance through biomechanical and physiological studies so as to further the scientific understanding of how humans interact with such machines. Example application areas include, enhancing the mobility of healthy individuals, restoring the mobility of patients with gait deficits, assisting those with upper extremity weakness to perform activities of daily living and preventing injuries of workers performing physically strenuous tasks. His multidisciplinary research spans engineering, biology and medicine and has led to multiple high impact scientific papers as well as technology translation. Multiple technologies from the lab have been licensed to industry. He is a co-founder of Verve, Inc. commercialization a back assist exosuit and the ReStore soft exosuit from ReWalk Robotics is now FDA and CE mark approved for use during gait rehabilitation poststroke. He is the winner of multiple awards including the Presidential Early Career Award for Scientists and Engineers and the MIT Technology Review Innovator Under 35 Award.

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## Experience

Harvard University

14 years 2 months

Paul A. Maeder Professor of Engineering and Applied Sciences

July 2018 - Present (6 years 3 months)

Cambridge, Massachusetts

**John L. Loeb Associate Professor of Engineering and Applied Sciences**

January 2016 - June 2018 (2 years 6 months)

Cambridge, MA

**Assistant Professor of Mechanical and Biomedical Engineering**

January 2012 - December 2015 (4 years)

Cambridge, MA

**Lecturer in the School of Engineering and Applied Sciences**

August 2010 - December 2011 (1 year 5 months)

**Wyss Institute for Biologically Inspired Engineering**

12 years 9 months

**Associate Faculty Member**

July 2020 - Present (4 years 3 months)

**Core Faculty Membe**

January 2012 - June 2020 (8 years 6 months)

Greater Boston Area

**MIT**

**Research Affiliate**

June 2010 - December 2011 (1 year 7 months)

**Massachusetts General Hospital**

**Instructor in Radiology**

July 2010 - September 2011 (1 year 3 months)

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## Education

**Massachusetts Institute of Technology**

PhD, Mechanical Engineering · (2006 - 2010)

**Massachusetts Institute of Technology**

Master of Science (MS), Mechanical Engineering · (2003 - 2006)

**Trinity College, Dublin**

BS, Mechanical Engineering · (1999 - 2003)

