

QIHAN LIU

Department of Mechanical Engineering & Materials Science
Swanson School of Engineering, University of Pittsburgh

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EDUCATION

Harvard Graduate School of Arts and Sciences

PhD in Materials Sciences and Mechanical Engineering 2016

Advisor: Dr. Zhigang Suo

Dissertation: Mechanics and Physics of Soft Materials

University of Science and Technology of China, Special Class for Gifted Young

BS in Theoretical and Applied Mechanics 2010

Advisor: Dr. Linghui He

Thesis: Phase Field Simulation of Post-Buckling Pattern in Thin Film Systems

PROFESSIONAL EXPERIENCE

University of Pittsburgh Swanson School of Engineering

2020-present

Assistant Professor

Department of Mechanical Engineering and Materials Science

Wyss Institute for Biologically Inspired Engineering at Harvard

2017-2019

Postdoctoral fellow in Bioengineering

Faculty Mentor: Dr. Kevin Kit Parker

Project: Manufacturing of 3D nanofibrous scaffold for regenerative heart valve

Harvard John A. Paulson School of Engineering and Applied Science

2016-2017

Postdoctoral fellow in Material Sciences and Mechanical Engineering

Faculty Mentor: Dr. Zhigang Suo

Project: Bonding in multi-material soft devices in various manufacturing processes

RESEARCH INTERESTS

Advanced manufacturing of soft materials
Mechanical failure of soft materials

Biomimetic functional materials

PUBLICATIONS

<https://scholar.google.com/citations?user=XYmVFlkAAAAJ&hl=en>