

Ph.D. Position in 3D Printable Soft Robots

Prof. Nemitz in the Department of Mechanical Engineering at Tufts University is seeking a highly motivated Ph.D. student to join his research group. The successful candidate will work on cutting-edge projects related to 3D printable soft robots, with a focus on:

- Autonomous robot factories using genetic algorithms for design, manufacturing, testing, and recycling of soft robots.
- Real-time adaptive additive manufacturing (closed-loop printing) for reliable, low-cost soft robotic fabrication.
- Rapid design and fabrication of electro-fluidic soft robots incorporating mission details into robot designs.

Qualifications

- Hold a Bachelor's or Master's degree in Computer Science, Electrical and Computer Engineering, Material Science, Mechanical Engineering, or Robotics.
- Have an excellent track record and meet the general admission requirements for a doctorate at Tufts University.
- Possess prior research experience in robotics or related areas.
- Have a keen interest in machine learning, computer graphics, CAD, 3D printing, and hands-on robotics hardware.
- Demonstrate the ability to work collaboratively in an interdisciplinary team.
- Have experience in the design and fabrication of soft robotic systems.
- Willing to work on military-related projects.

Start Date

- Earliest: Spring 2025
- Latest: Fall 2025

Your application

Find further details on the application process [here](#). For questions about the position, please contact Prof. Nemitz via email.