

Faculty Member Contact Information

Name	Jeff Darabi, PhD
Contact Info	
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Campus Box	1805
Department	Mechanical Engineering

1 Funded, 0 Unfunded URCA Assistant(s)

Are you willing to work with students from outside of your discipline? If yes, which other disciplines?

- No

How many hours per week will your student(s) be required to work in this position?
(Minimum is 6 hours per week; typical is 9)

- 8

Will it be possible for your student(s) to earn course credit?

- No

Location of research/creative activities:

- MEMS and Microfluidics Lab, EB 0015

Brief description of the nature of the research/creative activity?

- The student will assist in conducting an experimental study of electrohydrodynamic (EHD) instabilities in superimposed fluids.

Brief description of student responsibilities?

- The student will assist with testing, data collection, analysis, and Image processing of EHD-driven instabilities in superimposed fluids.

URCA Assistant positions are designed to provide students with *research or creative activities* experience. As such, there should be measurable, appropriate outcome goals. What exactly should your student(s) have learned by the end of this experience?

- The student will gain hands-on experience in fluid dynamics and complex system interactions and observe firsthand how basic research is conducted.

Requirements of Students

If the position(s) require students to be available at certain times each week (as opposed to them being able to set their own hours) please indicate all required days and times:

- N/A

If the location of the research/creative activities involves off campus work, must students provide their own transportation?

- N/A

Must students have taken any prerequisite classes? Please list classes and preferred grades:

- N/A

Other requirements or notes to applicants:

- Preference will be given to a senior student.