





Faculty Member Contact Information

Name	Jeff Darabi
Contact Info	
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Department	Mechanical and Mechatronics Engineering

1 Funded, Unfunded URCA Assistant

	This position is ONLY open to students who have declared a major in this discipline.	M
	This project deals with social justice issues.	
	This project deals with sustainability (green) issues.	
	This project deals with human health and wellness issues.	
	This project deals with community outreach.	
	This mentor's project is interdisciplinary in nature.	I

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)

9

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

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 me to develop phase change material (PCM) heatsink assemblies for electronics cooling.

Brief description of student responsibilities?

The student will assist me with the testing and data analysis of a (PCM) heatsink with various fin geometries.

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 have the opportunity to gain hands-on experience with advanced cooling technologies and see 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:

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

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

Other requirements or notes to applicants:

A senior student is preferred.