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Happy second day of spring! (It's true! Talk about "March madness" - lol!) In this issue we have (as always) exciting events you won't want to miss, student and faculty award announcements...plus a fun story about an MSE alum who was in the movie *Oppenheimer*! Read on to learn more.

Our next issue will be published on Wednesday, April 3. If you have anything you'd like to contribute, please email krisfres@umich.edu by Monday, April 1.

Events Recap

Graduate Recruiting Visits Host 41 Prospective Students





Forty-one prospective students visited campus March 7-9 and 14-16. Activities included facility/lab tours, meetings with faculty, poster presentations, dinners at Pretzel Bell and Pizza House, and other social events. **THANK YOU** to the many volunteers who drove carpools and organized special activities for the prospectives. Your gracious help was invaluable to the weekends' success!

Upcoming Events

Next two MSE 890 speakers



Judith Yang,
Brookhaven Center for Functional
Nanomaterials

Title: "The Surface Dynamics of the
Initial Stages of Cu Oxidation"

When: Friday, March 22, 10:15



Daniel Fredrickson,
University of Wisconsin

Title: "Discerning the molecular in the
metallic: lessons in materials designs
from complex intermetallic phases"

When: Friday, March 29, 10:15

a.m.**Where:** 1013 H.H. Dow**Zoom link:**umich.zoom.us/j/95851585548,

passcode: mse890

a.m.**Where:** 1013 H.H. Dow**Zoom link:**umich.zoom.us/j/95851585548,

passcode: mse890

MSE Holi celebration Monday, March 25



Join us for our first-ever MSE Holi celebration on **Monday, March 25**, 2:00-3:30 p.m. in the MSE conference room. Also known as the festival of colors, Holi is an Indian holiday that celebrates the triumph of good over evil. Stop by to enjoy samosas, carrot halwa, mango lassis, and more. While supplies last. All are welcome!

PhD Defense: Alex Moy - Monday, April 1

**PhD candidate:** Alex Moy**Groups:** Sakamoto/Dasgupta**Title:** "Ceramic Processing Effects on the Multiscale Structure and Transport of $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ "



When: Monday, April 1, 11:30 a.m.

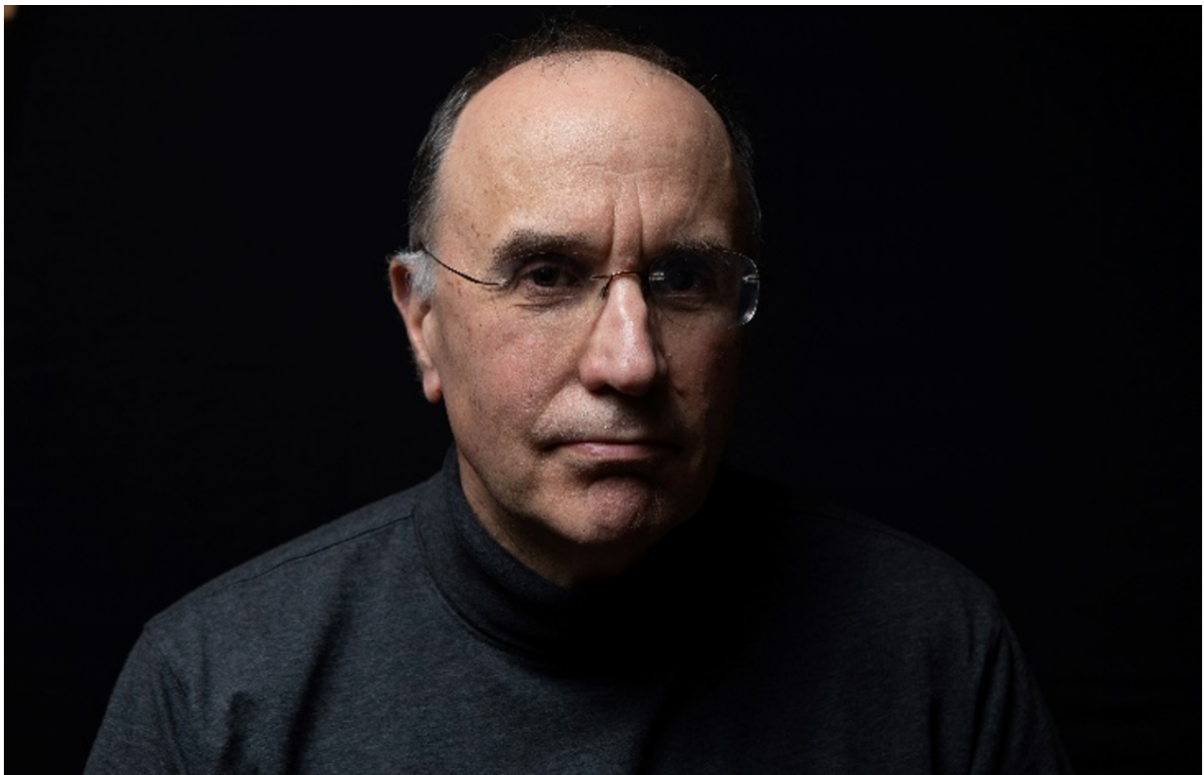
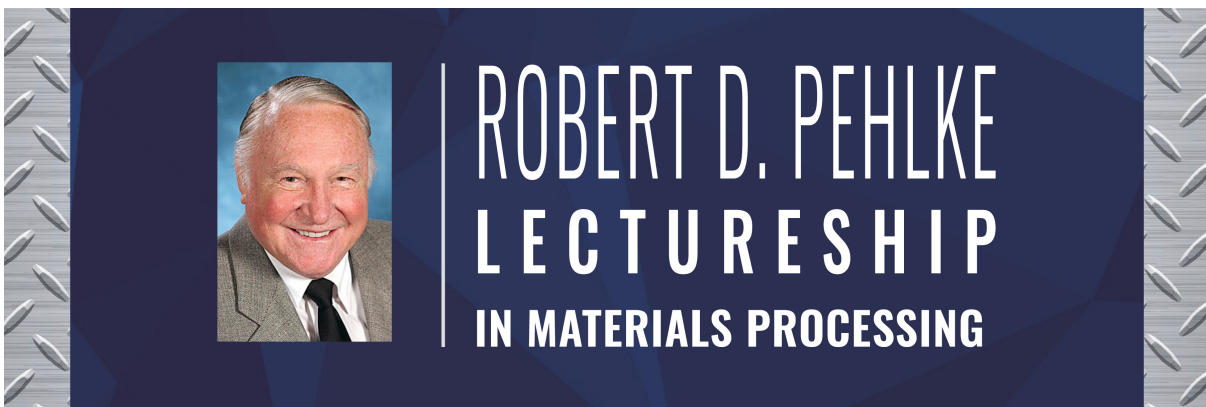
Location: 2000 PML or via Zoom:

umich.zoom.us/j/93821362966,

Passcode: Garnet

Best of luck, Alex!

MIT's Michael Cima to present 2024 Pehlke Lecture April 5

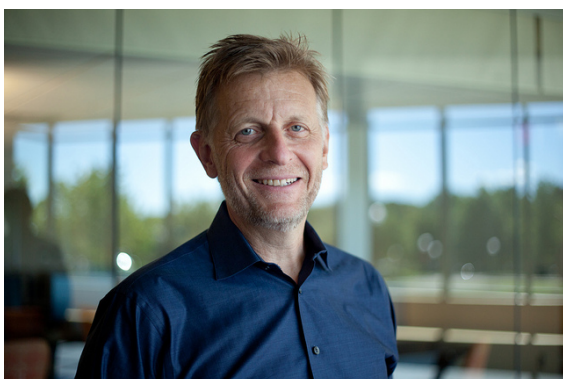


As the 2024 Pehlke Lecturer, **MIT Professor Michael J. Cima** will present

"*Translational biomedical engineering*" on **Friday, April 5 at 10:15 a.m. in 1013 Dow**. Prof. Cima is actively involved in materials and engineered systems for improvement in human health such as treatments for cancer, metabolic diseases, trauma, and urological disorders. *The lectureship is open to everyone, so please join us for this special event!*



Graduate Student Bootcamp with John Kieffer April 5



"Keeping Lab Notebooks Updated"

Presenter: Professor John Kieffer

When: Friday, April 5, 12-1:00 p.m.

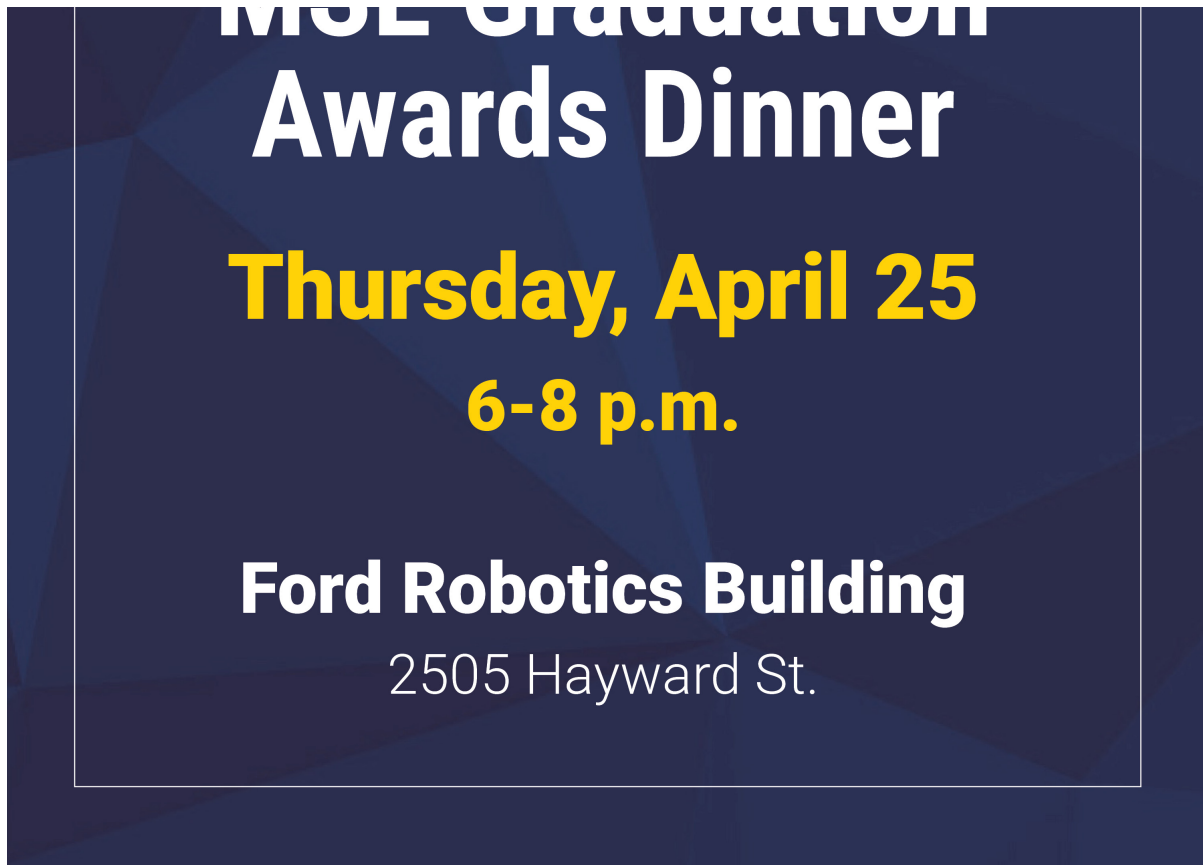
Where: 1005 H.H. Dow

Lunch will be provided for all registrants

[Register here](#)

Registration open for 2024 Graduation Awards Dinner





The Class of 2024 - seniors and all graduating master's and PhD students - plus all MSE faculty and staff are invited to attend our annual MSE Graduation Awards Dinner on **Thursday, April 25, 6-8 p.m.** at the Ford Robotics Building. Please [RSVP by Thursday, April 11](#).



Disability Visibility Symposium this Friday will feature MSE's Daniel Delgado Cornejo as student keynote

DISABILITY VISIBILITY IN ENGINEERING SYMPOSIUM PART 1: MARCH 22 9 AM – NOON LURIE ENGINEERING CENTER JOHNSON ROOMS 3213 + ZOOM STUDENT KEYNOTE	LIGHTNING TALKS FROM... mechanical engineering, computer science + engineering, CAEN, robotics, design science
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Friday, March 22
9 a.m. - 12 p.m.
Johnson Rooms, LEC

This Friday, March 22, is the second Disability Visibility in Engineering Symposium. Our own MSE PhD student **Daniel Delgado Cornejo** will give the student keynote! **RSVP:** bit.ly/4cgaCUZ

Faculty News & Awards

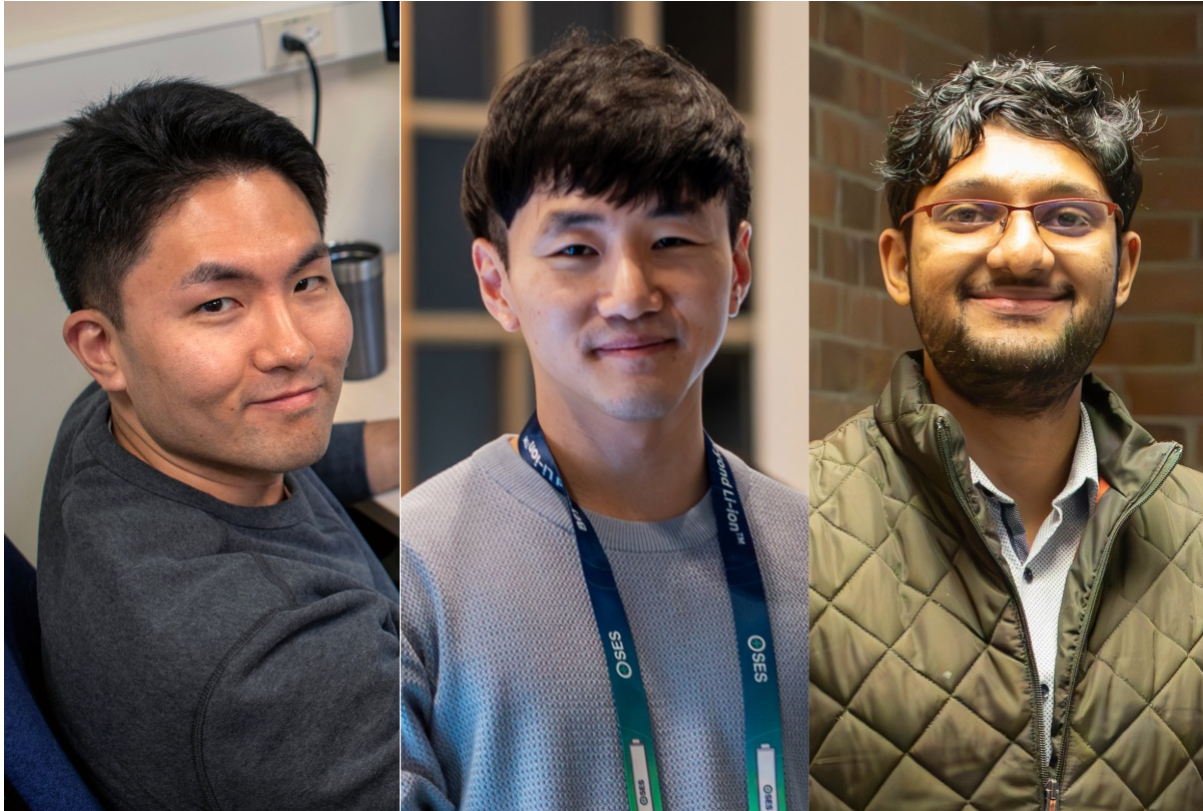
Anish Tuteja receives CoE Research Excellence Award



Considered a world leader in surface science research, **MSE Professor Anish Tuteja** was recently honored with the College of Engineering's 2024 David E. Liddle Research Excellence Award. Utilizing polymers to fabricate innovative materials, Tuteja has engineered ice-phobic, ice-shedding and anti-fouling properties that are key to many real-life applications. [Read more.](#)
Congratulations, Anish!

Student News & Awards

Three receive prestigious Rackham Predoctoral Award



Congratulations to Ph.D. students (pictured above, from left) **Joonsoo Kim** (Sun group), **Jinhong Min** (Li group) and **Vishal Subramanian** (Gavini group). Each received a Rackham Graduate Award for 2024-25. [Read more.](#)

Alumni News

And the Oscar for Best Extra goes to...





MSE alum Ben Derby (PHD '20), a scientist at Los Alamos National Laboratory, worked as a background actor in the Oscar-winning film *Oppenheimer*, which was filmed in and around Los Alamos. [Read more.](#)

Opportunities for grad students



COLLEGE OF ENGINEERING
 CENTER FOR ENTREPRENEURSHIP
 UNIVERSITY OF MICHIGAN

graduate courses



find us
3rd Floor Duderstadt Center

contact us
entrepreneurship@umich.edu

follow us
@umcfe



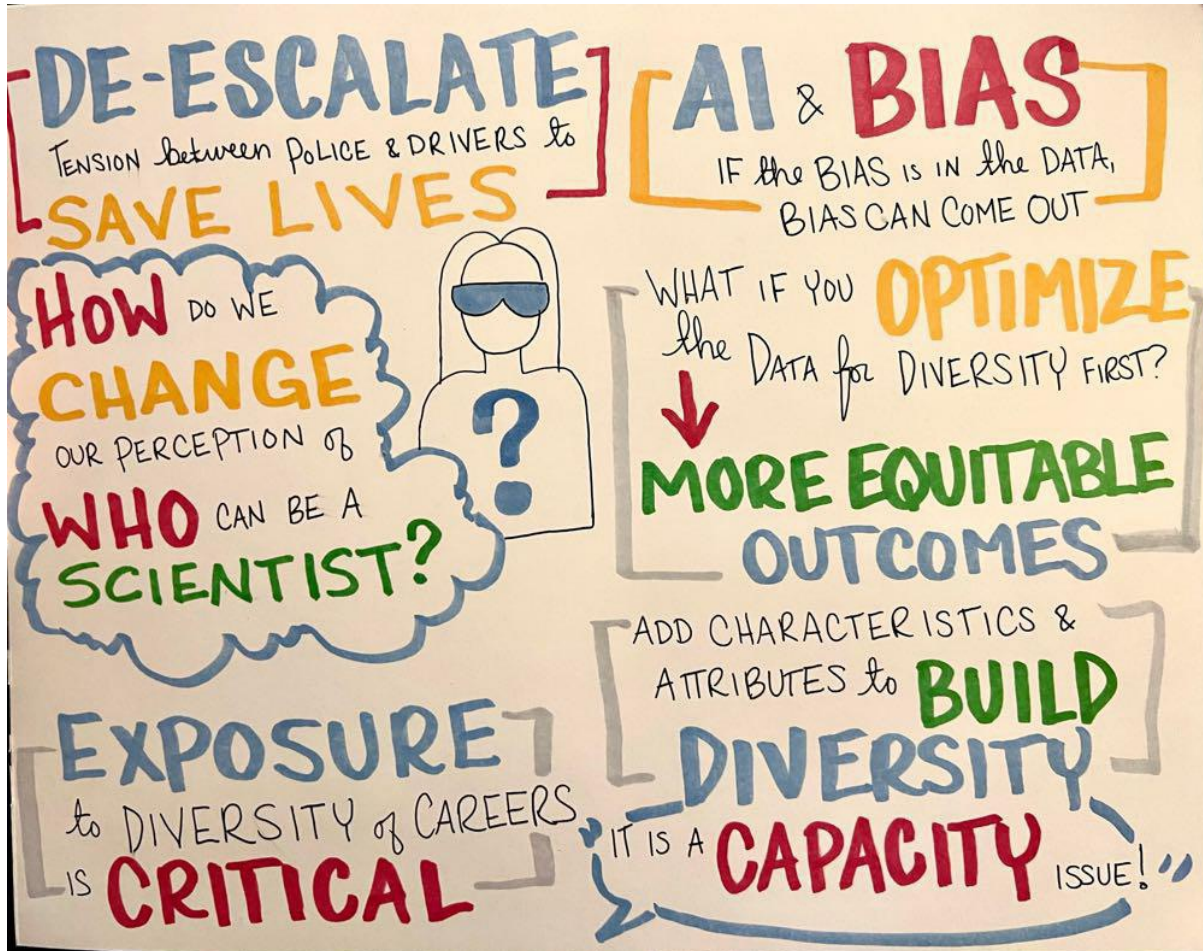



learn entrepreneurship from **real** entrepreneurs

ENTR 407 Entrepreneurship Hour (1 credit) This weekly seminar series invites influential and disruptive entrepreneurially-minded leaders to share their personal experiences founding, financing, and managing an emerging business venture.	ENTR 500 Intro to Innovation Careers (3 credits) You'll learn a wide range of skills designed to set you up for career success, including project management, marketing, investing and communications.	
ENTR 510 Compensation, Funding & Ownership (3 credits) You'll learn about the various types of compensation, funding, and ownership from the perspective of an employee, founder and investor.	ENTR 520 Tech-Inspired Business Models (3 credits) You'll learn how to identify business opportunities, construct a business model and assess fundability so you can bring your ideas to life.	ENTR 530 Innovation & IP Strategy (3 credits) You'll learn intellectual property (IP) strategies for new ideas and startups, including barriers to entry for competitors and infringement risk reduction.
ENTR 550 Interpersonal Skills (3 credits) You'll learn how to build your emotional intelligence to gain insight, self control and produce consistently positive results for yourself and others.	ENTR 560 Project Management & Consulting (3 credits) You'll be introduced to tasks and challenges fundamental to project management through complex projects and real-world consulting.	ENTR 599.262 Innovation for Impact: Climate Change (3 credits) Learn about emerging companies making an impact on the carbon balance of the planet and collaborate on the deployment and market development of their breakthrough innovations.
ENTR 599.050 Organizational Values & Ethics in Startups (2 credits) Learn how to critically think through the process of creating a diversity, equity and inclusion plan to develop team culture, high-performance and collaborative personnel growth.	ENTR 599.425 Innovation for Impact: Defense and Security (3 credits) Gain hands-on experience understanding and working with the defense and intelligence communities to innovate at speed, working on current national security problems.	ENTR 599.344 Reimagining Companies through Innovation (3 credits) Analyze all aspects of a company, develop market intelligence, and meet directly with entrepreneurs. Provide advice that will be used by real companies as they reinvent their firms.
ENTR 599.413 Entrepreneurial Marketing (2 credits) Growing an idea or company with little to no resources can be hard. You will learn how to build a strategic marketing plan for repeatable, scalable growth.	ENTR 599.417 Entrepreneurship Hour Discussion (1 credit) This companion course to ENTR 407: Entrepreneurship Hour will give you the opportunity to dive deeper into key topics in entrepreneurship with the weekly guest speaker.	ENTR 560.816/.862 Patent Law (1 credit) You will learn the fundamentals of intellectual property and leave the class able to identify patentable ideas, possible infringement issues, and create an IP strategy. *Short course
ENTR 599.409 Intro to Venture Capital (1 credit) In this course you'll work in teams and learn about the investor mindset: how to identify an innovative idea, evaluate opportunities, perform due diligence, and make informed investment decisions. *Short course	ENTR 599.410 Finding Your Venture (2 credits) It's hard to start a company, but it doesn't have to be complicated. This course dramatically improves your odds of starting a viable business by providing a practical framework for identifying large, attractive opportunities.	

And on that note...

Associate Professor Geeta Mehta (along with Professor Max Shtein and research group members Chao Huang and Eva Pontrelli) attended the Emerging Researchers National Conference in STEM last week in Washington, D.C. with six mentees from last summer's NSF REM program. Prof. Mehta shared these inspirational messages on diversity, setting priorities and mentoring. Enjoy!





MENTORING 101

FINDING YOUR MENTORS & BECOMING A GREAT MENTEE

WHO IS A MENTOR?

- A SOUNDING BOARD!
- AN ADVOCATE!
- A SAFE SPACE!

WHAT MAKES A GOOD MENTEE?

- A GOOD LISTENER!
- RECEPTIVE to FEEDBACK!
- WILLING to ENGAGE!

COMMON FORMS OF MENTORING

- ▶ PATRICIA CAMERON
- ▶ NICQUET BLAKE
- ▶ VICTORIA FREEDMAN
- ▶ NANCY SCHWARTZ
- ▶ CHERILYNN SHADDING
- ▶ DAVID VAN VACTOR

AAMC GREAT GROUP!

ALIGNED EXPECTATIONS

FOSTERED TRUST

EFFECTIVE COMMUNICATION

NOT ALWAYS a SUPERVISOR

GIVES **GUIDANCE** & **ADVICE** over **TIME**

ENHANCED SELF EFFICACY

BENEFITS

- ▶ RESEARCH PRODUCTIVITY
- ▶ HIGHER CAREER & GRADUATE ED SATISFACTION
- ▶ PERSISTENCE
- ▶ SHORTER TIME to DEGREE
- ▶ CREATES EFFECTIVE COMMUNICATION & INDEPENDENCE

A "WE CAN DO THIS" APPROACH

HELP GETTING in the **DRIVER'S SEAT**

DIVERSIFY YOUR MENTORS



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Our mailing address is:

2300 Hayward St.
3062 H.H. Dow Building
Ann Arbor, MI 48109

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