

# State of the Woodruff School

"Inclusive Excellence"

Devesh Ranjan

April 19, 2024



Georgia Tech College of Engineering  
George W. Woodruff School  
of Mechanical Engineering

# Agenda: Morning Meeting

# Spring 2024 Advisory Board

8:30 – 9:00 a.m.

*Networking and Breakfast*

9:00 – 9:05 a.m.

Welcome, schedule, new member introductions

**Rebecca Brown**, *Board Chair*

9:10 – 9:45 a.m.

State of the Woodruff School, Q&A

**Devesh Ranjan**, *School Chair*

9:45 – 10:10 a.m.

Institute Corporate Strategy and Woodruff School Engagement

**Mark Nolan**, *Associate Vice President of Corporate Engagement*  
**Ric Hubler**, *Senior Director of Corporate Engagement, College of Engineering and Office of Corporate Engagement*

10:10 – 10:45 a.m.

*Q&A and Strategizing*

10:45 – 11:00 a.m.

*Break, Group Photo*

11:00 – 11:50 a.m.

Industry Engagement within Undergraduate Student Population and Curriculum

**Brandon Dixon**, *Associate Chair for Undergraduate Studies and Professor*

# Agenda: Afternoon Meeting

# Spring 2024 Advisory Board

12:00 – 1:00 p.m. *Lunch*

1:00 – 1:30 p.m. Student Poster Session

**Select student groups working with industry**

1:35 – 2:35 p.m. Novelis Innovation Hub

**Shreyes N. Melkote**, *Executive Director,*  
*Novelis Innovation Hub*

2:35 – 2:50 p.m. *Committee Updates*

2:50 – 3:00 p.m. *Break*

3:00 – 3:30 p.m. *Executive Session, Bylaws Vote*

3:30 – 4:00 p.m. *Debrief*

4:00 p.m. *Adjourn*

**Next Meeting: Friday, October 18, 2024**

# Welcome New Advisory Board Members



**Lisa Margonis**  
Partner & Patent Attorney  
Osha Bergman Watanabe & Burton LLP



**Mihir Pathak**  
Chief Operating Officer  
Mayvenn



**John Williams**  
VP of Business Operations  
Southern Nuclear Operating Company

# CoE Alumni Awards



**GEORGIA TECH ALUMNI**

**F O R T Y  
U N D E R  
F O R T Y**

**CLASS OF 2024**

**NOMINATIONS OPEN**





Introducing the *inaugural* Woodruff

# Young Alumni Council



Georgia Tech College of Engineering  
 George W. Woodruff School  
 of Mechanical Engineering



# ME's Velin Kojouharov Wins Tech's Top Honor for Graduating Students





# 2024 First-Year Admitted Profile

## Institute

59,760

TOTAL APPLICATIONS

▶ 8,250  
Admitted

▶ 3,900  
Class Goal



## CoE

27,353

APPLICANTS (46% of total)

▶ 7.5%  
FIRST-GEN  
(among applicants)

▶ 3,564  
Admitted

40%  
Female

8%  
Black\*

11%  
Hispanic\*

▶ 923

Deposits as of 3/20/24  
(24.4% increase from 2023)

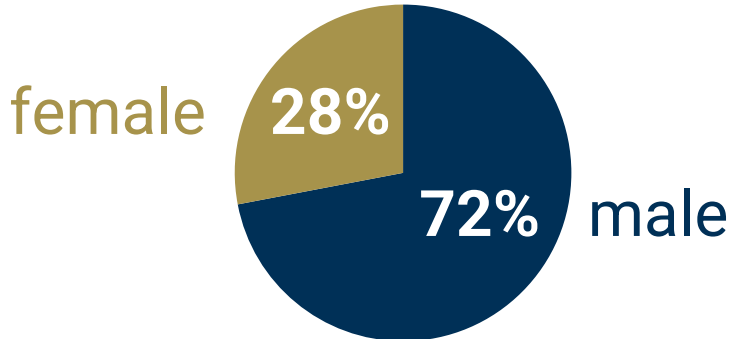
\*includes multiracial students with Black or Hispanic for at least one race

# 2024-25 ME First-Year Application Overview

**6,690**  
**TOTAL APPLICATIONS**

**635**  
admitted

**▶ 9.5%**  
**ADMIT RATE**



**ADMIT RATE**  
**28%** Georgia  
**7%** non-Georgia

**9%** Hispanic  
**8%** Black



**▶ X**  
**GEORGIA**  
**COUNTIES**

**▶ X**  
**STATES**

**▶ X**  
**NATIONS**

# 2024-25 NRE First-Year Application Overview

**357**  
TOTAL APPLICATIONS

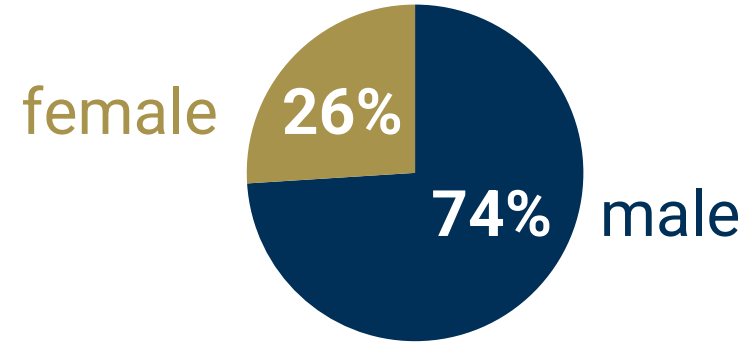
**61**  
admitted

**25**  
deposits as of 4/16/24

**▶ 17%**  
ADMIT RATE

ADMIT RATE  
**32%** Georgia  
**14%** non-Georgia

**▶ X**  
GEORGIA  
COUNTIES



**7%** Hispanic  
**9%** Black

**▶ X**  
STATES

**▶ X**  
NATIONS

# Undergraduate Rankings: U.S. News & World Report

## Mechanical Engineering Undergraduate Programs (2024)

1 <sup>st</sup>	Massachusetts Institute of Technology
2 <sup>nd</sup>	<b>Georgia Institute of Technology</b>
3 <sup>rd</sup>	University of California, Berkeley
4 <sup>th</sup>	Stanford University
5 <sup>th</sup>	University of Illinois Urbana-Champaign
6 <sup>th</sup>	California Institute of Technology
6 <sup>th</sup>	Purdue University--Main Campus
8 <sup>th</sup>	University of Michigan--Ann Arbor
9 <sup>th</sup>	Carnegie Mellon University
10 <sup>th</sup>	Cornell University



# FY 24 UPDATE

## GA TECH

Overall Progress to Goal: \$1,215,706,714 (60.8% of Goal)	FY24 Campaign Total: \$164,784,944
Total Number of Campaign Donors: 88,307	Number of First-Time Donors: 40,024

## WOODRUFF

Overall progress to goal: \$78,926,342 (105.2% of Goal)	FY24 Campaign Total: \$11,281,207
Total Number of Campaign Donors: 753	Number of First Time Donors: 309

### DONORS BY SOURCE

ALUMNI: 43.5%  
 FOUNDATIONS: 20.5%  
 CORPORATIONS: 19.5%  
 FACULTY/STAFF: 1.7%  
 PARENTS: 1.5%  
 OTHER: 13.3%

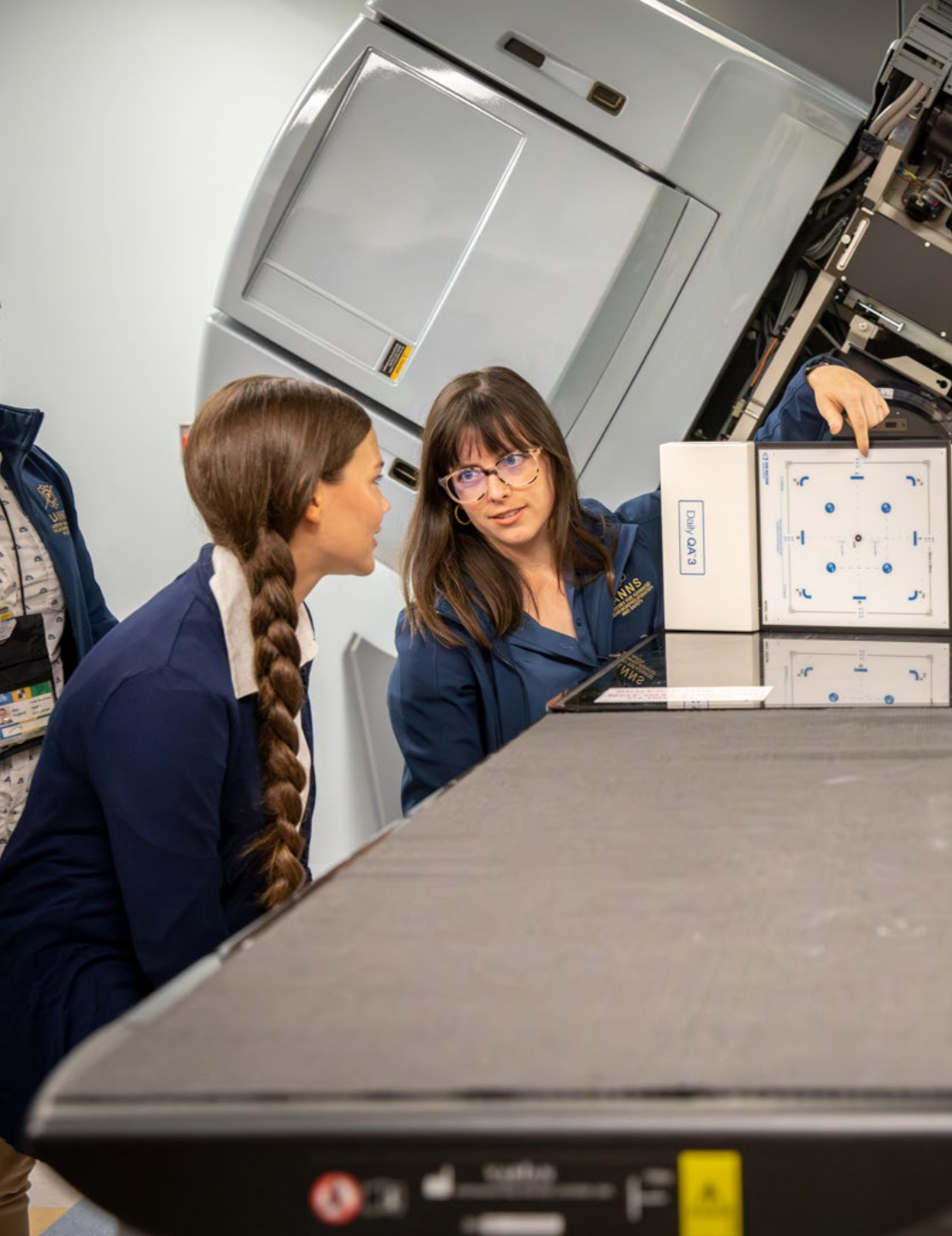
### DONORS BY SOURCE

ALUMNI: 24.4%  
 FOUNDATIONS: 40.8%  
 CORPORATIONS: 9.1%  
 FACULTY/STAFF: 11.4%  
 PARENTS: .002%  
 OTHER: 14.3%

Woodruff Priorities	Goal	Raised to Date
Undergraduate Student Support	\$20,000,000	\$13,665,531
Graduate Student Support	\$15,000,000	\$1,751,712
Faculty Support	\$15,000,000	\$13,206,510
General Program Support	\$13,000,000	\$11,443,757
Facilities and Equipment	\$10,000,000	\$474,427
Research Support	\$10,000,000	\$38,384,404
<b>Total</b>	<b>\$75,000,000</b>	<b>\$78,926,342</b>

37.5% of the ME Advisory Board Gave To Date In CY 2024

\$33,399 Total Raised On Georgia Tech Giving Day

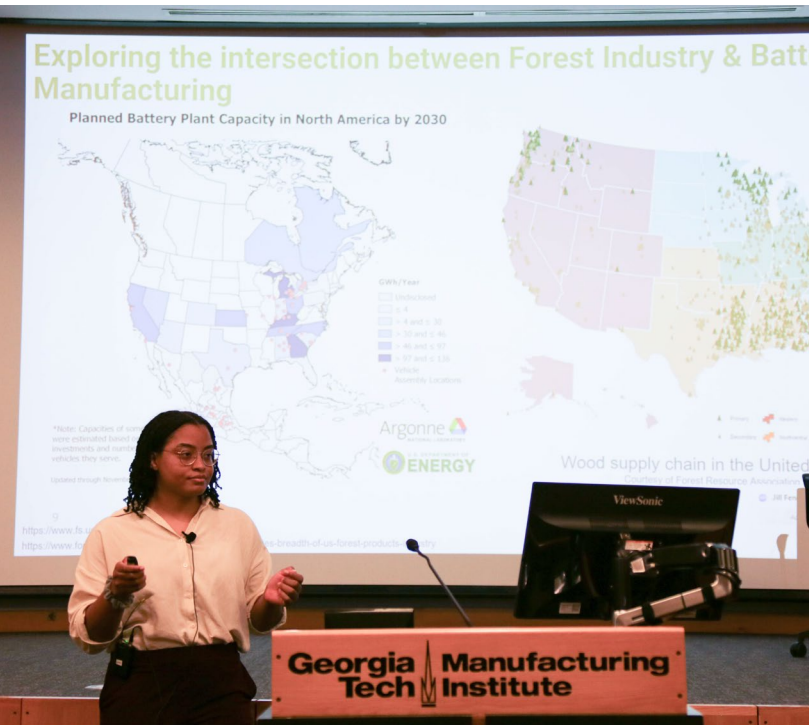


## Graduate Fellowships

The Woodruff School has raised \$1.7M for fellowships during the campaign:

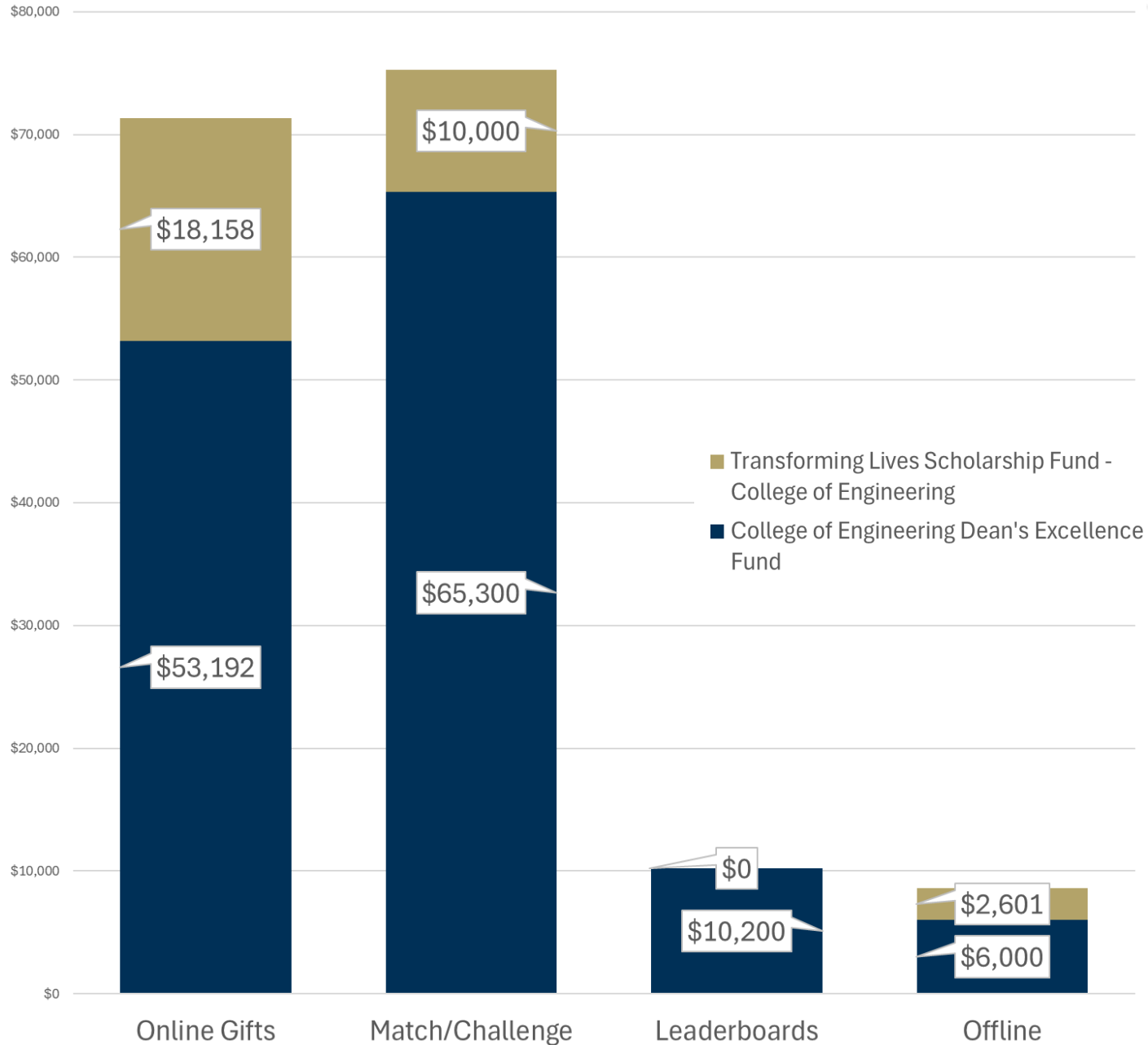
- \$15M goal for fellowships during the campaign

# Interdisciplinary Research Fellowship (IRF) Showcase



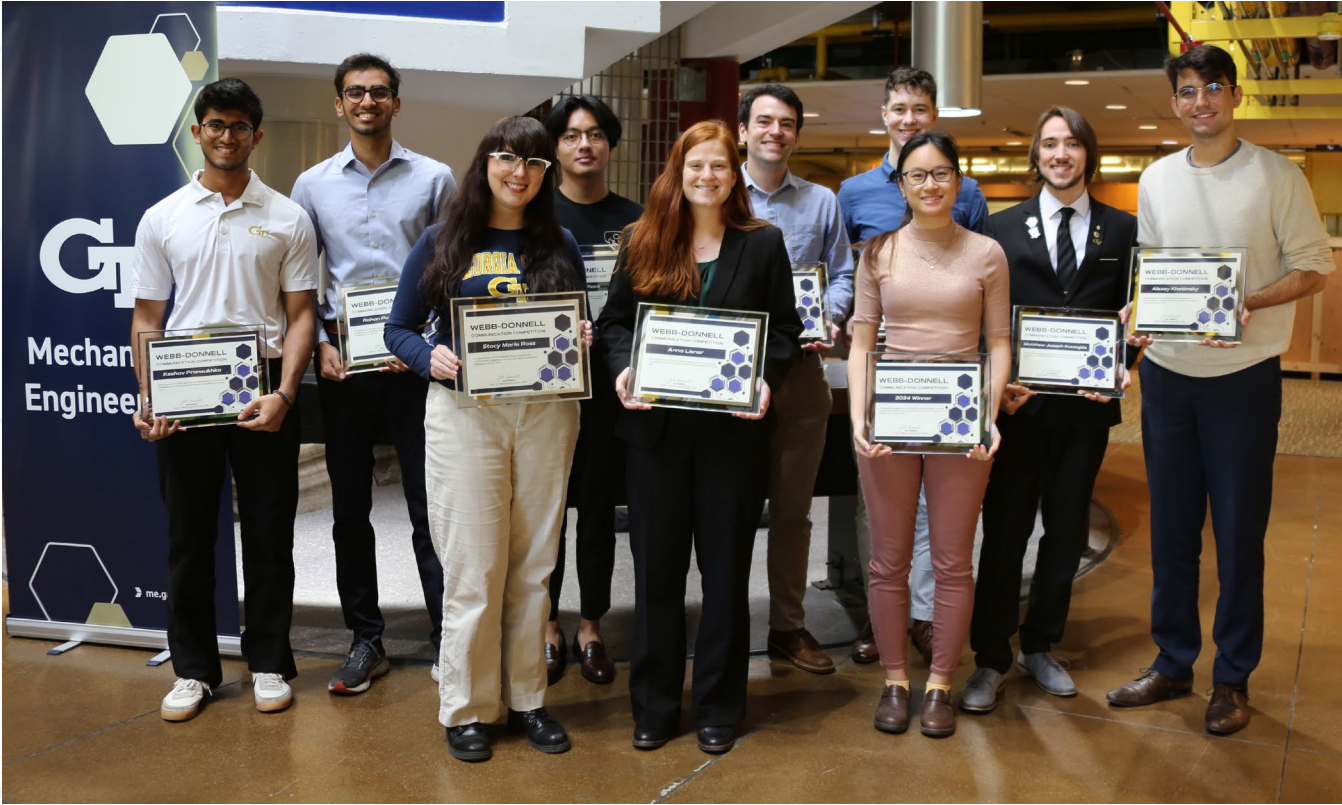
# Giving Day Update

- 317 gifts; \$165,451 raised in CoE



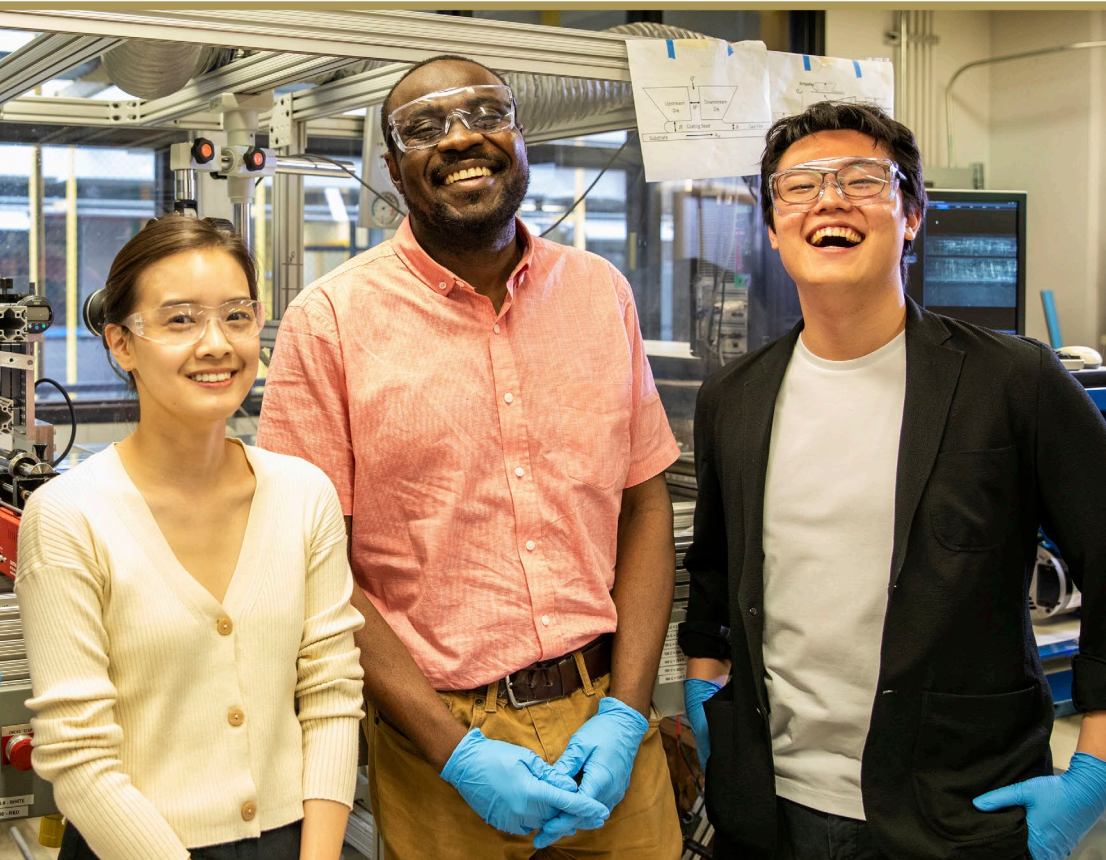


# Webb-Donnell Communication Competitions



# Woodruff Buzz

GEORGE W. WOODRUFF SCHOOL OF MECHANICAL ENGINEERING • GEORGIA INSTITUTE OF TECHNOLOGY



Achieving a Culture of *Inclusive Excellence*

► 2022-23 ANNUAL MAGAZINE



Georgia Tech College of Engineering  
George W. Woodruff School  
of Mechanical Engineering

## Communications Efforts

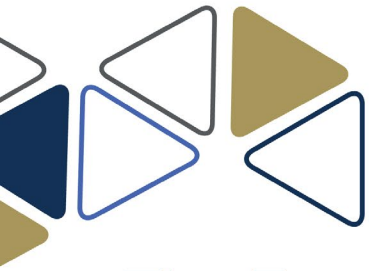
- Woodruff Buzz Annual Magazine
- Weekly Digest Newsletter
- Quarterly Alumni Newsletter
- Quarterly Advisory Board Newsletter
- Woodruff Pulse
- Social media posts (4-5 per week)

# Starting this Summer, Students Can Minor in Applications of Artificial Intelligence and Machine Learning



# Georgia Tech Unveils New AI Makerspace in Collaboration with NVIDIA





Women of Woodruff (WoW) Spring Biannual Event

# Let's Talk About The Future ME: The Intersection of AI, ML and Mechanical Engineering

Friday, April 19, 2024 • 4:30-6:30 p.m. • GTMI 114

featuring panelists

*Amanda Bock, Senior Propulsion Analytics Engineer, Delta*

*Ahmad Haider, Senior Director of Data and Advanced Analytics, Vertex Pharmaceuticals*

*Kevin Ligonde, Graduate Research Assistant, SMART Lab, Georgia Tech*

*Mayur Singh, Graduate Research Assistant, MiNDS Lab, Georgia Tech*

*Fan Zhang, Assistant Professor, Woodruff School, NREMP program, Georgia Tech*

with moderator *Shay Natarajan, Partner of Strategy, Mobility Impact Partners*



Sponsored by:  **WOODWARD**



Georgia Tech College of Engineering  
**Women of Woodruff**



*Free food!*





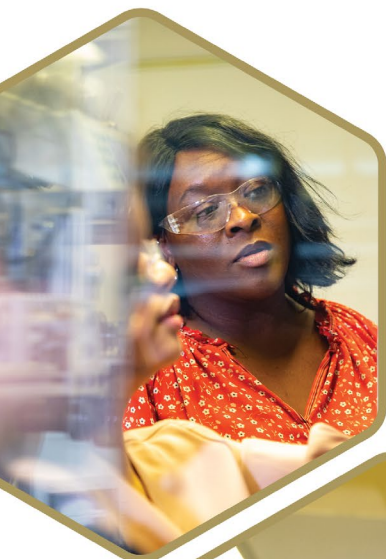
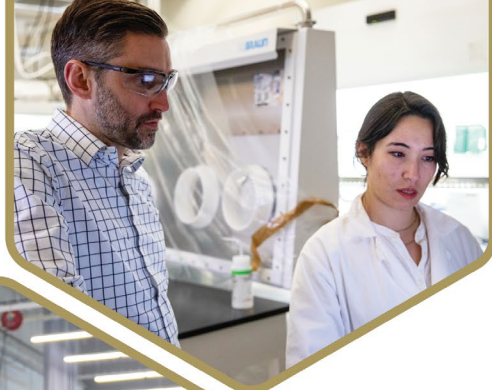
**Innovation  
and Education:**  
*The Woodruff School's  
Unique Approach to  
Design for Mechanical  
Engineers*



# New Sponsored Research Awards, FY23

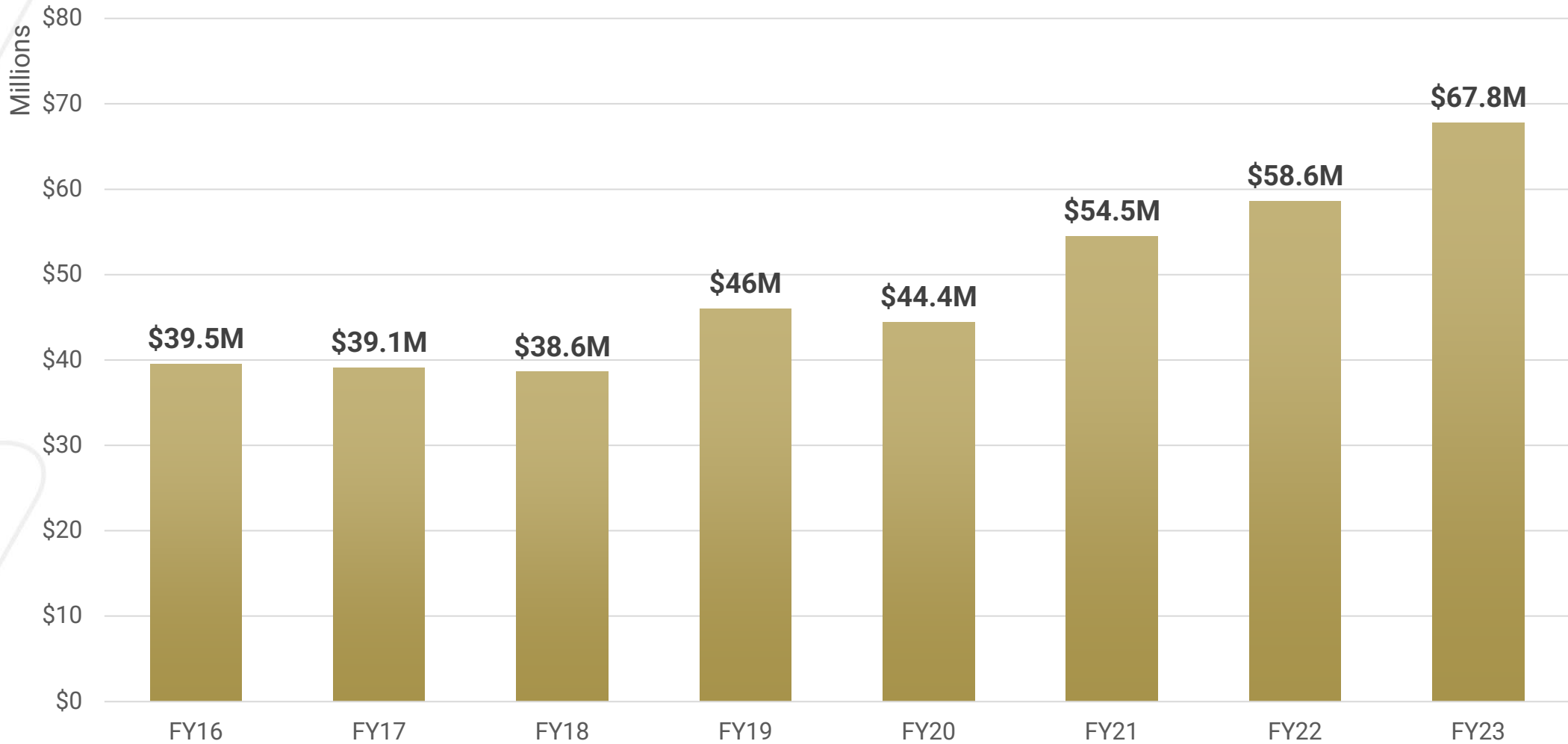
# \$67.8M

➤ setting a School record for the 5th year in a row



# New Sponsored Research Awards, FY16-FY23

*All numbers as of August 15*





# Woodruff Strong



- **Access**

*The School will expand access to one of the top programs in the nation by increasing the number of need-based and merit-based scholarships and fellowships awarded annually.*

- **Success**

*The School will enhance student success by increasing academic support services, developing cohort, alumni, and corporate mentorship programs, and hosting career and culture-building activities.*

- **Academic Wellbeing**

*The School will improve academic well-being by increasing health and wellness resources, such as 24/7 online counseling services, hosting mental health awareness events, and offering mindfulness programming.*



# Thank You

