

NEWS

ENGINEERING RESEARCH
ADMINISTRATION



AUBURN
UNIVERSITY

Samuel Ginn
College of Engineering

October 17, 2023

Vol. 1 No. 8

Announcements

SGCOE Colloquium This Week

Date: Wednesday, October 18, 2023

Time: 12:00 pm-1:00 pm

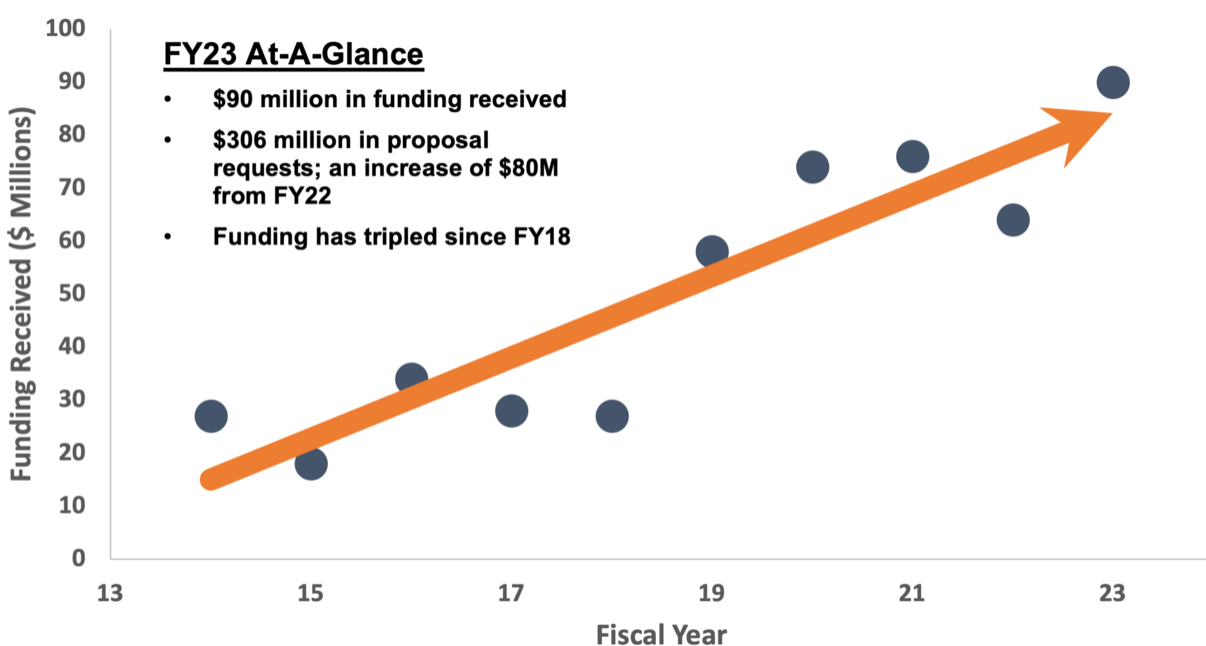
Location: Brown-Kopel | 3rd Floor Grand Hall

This Wednesday, SGCOE's Faculty Colloquium will meet to hear speaker Dr. Ernest L. Brothers from the University of Tennessee Knoxville. Dr. Brothers advocates recruiting, retaining, and graduating more underrepresented students with graduate degrees in science, technology, engineering, and mathematics (STEM). Some of his latest presentations are "Diversity and Mentoring in Academia", "Building a Robust Culture of Research Mentor and Mentee Training on Your Campus", and "How Generational Diversity Can Influence Graduate Education". Lunch will be provided to all attendees.

Year End Review

A Record Year for Auburn Engineering Research

The SGCOE had a record year in FY23 with our faculty winning \$90M in total research funding! During this period, faculty worked with ERAD to submit 478 proposals requesting over \$306M in research support. With the continued excellence of our faculty, students and staff, we expect that the SGCOE will continue to show robust growth in FY24. Thank you all for your diligent efforts and commitment to conducting exemplary research.



Funding Opportunities

Amazon Research Awards

Due: November 1, 2023

Amazon Science

Areas of interest: AI for information security, automated reasoning, cryptography and privacy, database services, sustainability

The Amazon Award program offers unrestricted funds and Amazon Web Services (AWS) promotional credits to support research that aligns with its mission to advance customer-oriented science. PIs may only submit one proposal to the Research Awards program.

Read more [here](#).

Desalination and Water Purification Research Program

Due: November 15, 2023

US DOI Bureau of Reclamation

Areas of interest: filtration, salinity, water resources engineering and environmental impacts, water treatment

The DWPR program strives to increase water supplies by reducing the cost, energy, consumption, and environmental impacts of treating impaired and otherwise unusable waters. Projects that address the following objectives will be considered: develop approaches to desalination and water treatment, improve existing membrane technologies, develop cost-effective methods for concentrate management, and develop technologies for selective removal of nutrients, among others.

Read more [here](#).

Analysis of the Energetic Returns of Electric vs. Internal Combustion Engine Vehicles

Due: May 31, 2024

BioPhysical Economics Institute (BPEI)

Areas of interest: automotive engineering, electric and hybrid vehicles, emission control

This program supports research that compares the life cycle (supply chain through operation or end-of-life) of electric vehicles and internal combustion engine light-duty or heavy-duty vehicles. Projects should aim to relate the work output and greenhouse gas emissions of vehicles to the energy and material inputs required during raw material extraction, manufacturing, operation, and end-of-life and recycling phases of a vehicle.
Read more [here](#).

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