

NEWS

ENGINEERING RESEARCH
ADMINISTRATION



AUBURN
UNIVERSITY

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College of Engineering

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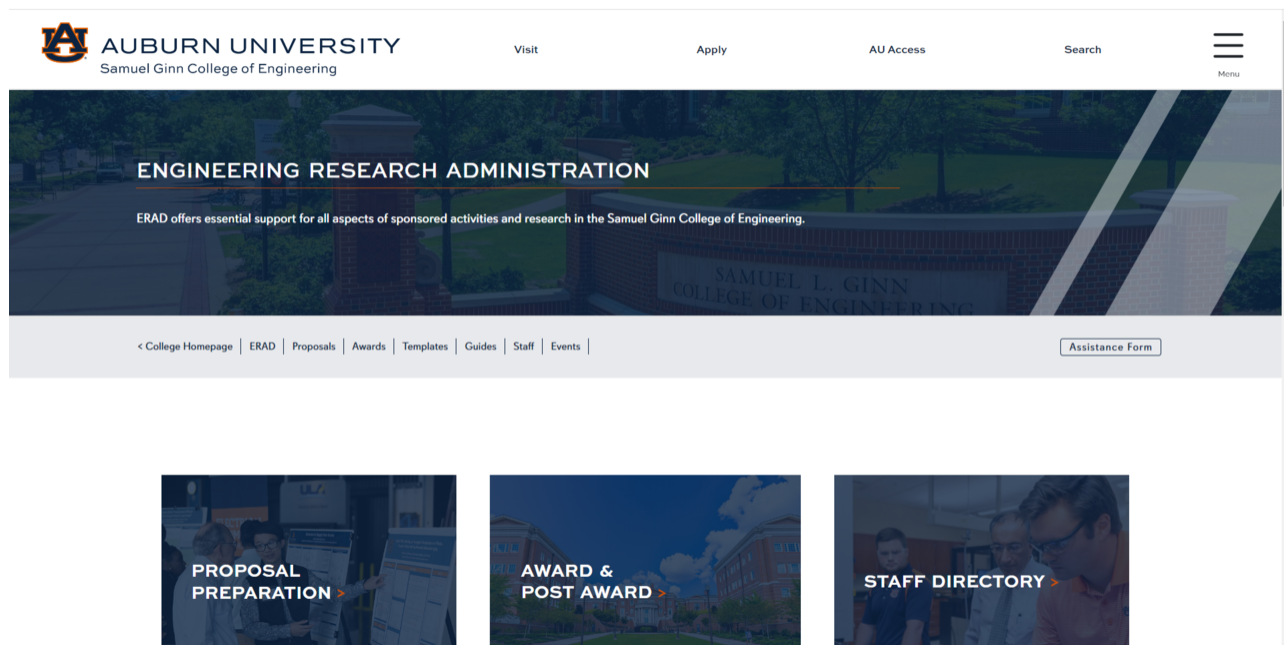
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Announcements

New ERAD Website

Engineering Research Administration has updated its website! Our redesign process aimed to keep faculty in mind as they seek out information and assistance with proposal development and submission. The new ERAD site features pre- and post-award information as well as templates, guides, and resources to make the proposal process easier.

Visit our new site [here!](#)



Best Practices for Research Excellence

Last call for registration for the Best Practices for Research Excellence Workshop. These sessions are open to any Engineering faculty, staff, and students **who have not attended previously.**

Monday, August 7, 2023
Faculty, Researchers, Postdocs, Staff
8:30 am - 4:00 pm
Brown-Kopel Engineering Student Center Grand Hall

Register Here

Tuesday, August 8, 2023
Graduate Students
8:30 am - 4:00 pm
Brown-Kopel Engineering Student Center Grand Hall

Register Here

Funding Opportunities

University Research Program

Concept Paper due 31 August 2023
Proposals due 31 October 2023
Raymond Corporation
Areas of interest: logistics, supply chain, ergonomics, mechatronics, robotics

The Raymond Corporation, through the University Research Program, seeks proposals focused on the material handling industry. Themes include the future of logistics, improving material handling, and truck and operation evolution.

The Future of Logistics

- Material handling in an uncertain future
- Material handling in a "smart city"
- Warehouse design
- Urban and suburban package delivery

Improving Material Handling

- Automation and material handling
- Advanced sensors for material handling
- Advanced vision systems and material handling

Truck and Operation Evolution

- Industrial design of vehicles
- Operator ergonomics
- Neurotechnology applications in material handling

Read more [here](#).

Civil Infrastructure Systems (CIS)

Full proposals accepted anytime

NSF

Areas of interest: infrastructure systems, sustainable/resilient construction, water resources, sustainable transportation

The Civil Infrastructure Systems (CIS) program supports research in civil infrastructure that contributes to creating smart, sustainable, and resilient communities at local, national and international scales. Transportation, power, water, pipelines and other critical civil infrastructure systems are areas of interest. This opportunity encourages proposals that addresses novel system and service design, system integration, big data analytics, and socio-technological-infrastructure connections.

Read more [here](#).

Tips: Understanding Use-Inspired Science

Adapted from the Research Development & Grant Writing Newsletter,
June 2023

See the full article [here](#).

NSF has recently introduced the term “use-inspired science” into funding solicitations, but what does it mean?

To ensure a competitive advantage in your proposal, it is important to have a firm understanding of what funding agencies mean when using this term as the foundation of the program’s conceptual framework.

The National Academies Press defines use-inspired science as:

- Research driven by the potential **use of the results**;
- Investigations involved in the **application** of fundamental science;
- Investigations that **advance** and **transform** scientific disciplines; and
- Research that **creates entirely new scientific fields**.

Fully grasping the nuances of this definition will help researchers convince reviewers that their proposals meet the solicitation’s goals.

NSF has described this definition in a variety of ways and in many contexts. Be sure to read the solicitation carefully to determine which goals NSF and other funders are aiming to achieve by including “use-inspired science” in their descriptions.

To further your understanding and advantage in proposal submission, consider digging into the various descriptions of “use-inspired science” NSF has used in different contexts (i.e., reports, funding solicitations, Dear Colleague Letters, references, etc.)

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