

NEWS

ENGINEERING RESEARCH
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College of Engineering

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Announcements

Hanover Research Webinar Tomorrow

Writing Your Data Management Plan

Thursday, February 29, 2024, 11:00-11:45 CT

[Register](#)

A strong Data Management Plan (DMP) demonstrates how you will manage data generated over the course of your research project. This Hanover Research Webinar session covers key components of DMPs and provides tips for ensuring your plan is comprehensive and persuasive. New requirements for NIH and other agency requirements will be specifically covered.

Best Practices for Research Excellence

May 7 and 8, 2024, 8:30am - 4:30pm

Grand Hall | Brown-Kopel Engineering Student Achievement Center

[Register](#)

The next two Best Practices for Research Excellence seminars will be held this May. All engineering faculty, staff, and graduate students involved in research *who have not already completed the in-person training* are invited to attend one of these one-day seminars. Speakers Dr. James DuBois, Dr. Carey Andrzejewski, and Dr. Alan Wilson will lead the seminar. For more information, contact [Sam Allbrook](#).

Funding Opportunities

Engineering Research in Artificial Intelligence

Due April 30, 2024

National Science Foundation

Areas of interest: artificial intelligence, machine learning, civil infrastructure systems, bioimaging technologies, assistive technologies, and more

This Dear Colleague Letter from NSF encourages research and education proposal submissions related to Artificial Intelligence as an Emerging Industry. Due to the widespread use of AI technologies in a range of sectors, from commerce to healthcare to transportation, NSF's AI portfolio spans various topics in AI research. These include theory, algorithms, robotics, human-AI interaction, and advanced cyberinfrastructure for AI, as well as use-inspired research in neuroscience, design and performance of engineered civil infrastructure systems, electric power grid, intelligent integrated manufacturing systems, intelligent transportation, robotics, and many other areas.

This letter recommends proposal submissions in these research areas to various programs. It also encourages proposals for research centers. Read more about these opportunities [here](#).

Engineering Design and Systems Engineering (EDSE)

Due Full proposals accepted anytime
National Science Foundation

Areas of interest: industrial and systems engineering

The Engineering Design and Systems Engineering (EDSE) program supports fundamental research that advances design science and/or systems science through the creation of new knowledge about the design of engineered artifacts. Engineered artifacts include, but are not limited to, devices, products, processes, platforms, materials, organizations, systems, and systems of systems. The EDSE program strongly encourages proposals that embrace the multidisciplinary nature of design and supports well-defined collaborations.

In particular, the EDSE program supports fundamental contributions in areas that include but are not limited to design representation; design optimization; design validation; mechanism design; robotics and intelligent system design; design of engineered materials systems; design cognition; design collaboration; data science and artificial intelligence in design; design in under-resourced communities; immersive design; and design at extreme scales and in extreme environments.

Read more about this opportunity [here](#).

Updated NSF Proposal and Award Policies & Procedures Guide

The National Science Foundation has updated their [PAPPG](#) effective **May 20, 2024**. The entire document has been edited to clarify or enhance the intended meanings of certain sentences or sections. Website and document references have been updated to reflect current information, and data or terminology used in other NSF documents or systems has been updated to ensure consistency. Several of the major changes to the PAPPG will be discussed in further detail in upcoming newsletters.

Biosketches for Senior/Key Personnel

- Each individual designated as a senior/key person must provide a separate biographical sketch and current and pending support information through SciENCv.
- SciENCv will produce an NSF-compliant PDF which proposers must save and submit as part of their proposal via Research.gov or Grants.gov.
- Except where noted, no page or character limits exist in this section. **The Synergistic Activities section has been removed.**

The revised format of the Biographical Sketch Common Form has been condensed below. See [this section of the PAPPG](#) for more details.

Identifying Information

ORCID ID: Researchers are encouraged to create an ORCID ID as federal funders will require grantees to obtain a unique digital persistent identifier in the future. **Contact AU Librarian [Patricia Hartman](#)** for more information concerning the creation of ORCID IDs.

Organization and Location

Name and Location of primary organization: city, state/province, and country

Professional Preparation

List education and training in reverse chronological order. Include postdoctoral and fellowship training and baccalaureate degrees.

- Organization name
- Location: city, state/province, country
- Degree received (if applicable)
- **Start date**
- Month and year of degree receipt
- Field of study

Appointments and Positions

List academic, professional, or institutional appointments in reverse chronological order. Only identify positions for a period of **up to three years** from the date of proposal submission.

- Start date: YYYY
- End date: YYYY
- Appointment or position title: include full-time, part-time, voluntary, etc.
- Organization
- Department
- Location: city, state/province, country

Products

List up to five products most closely related to the proposed project; and up to five other significant products that demonstrate the person's qualifications to carry out the project.

- names of authors
- product title
- date of publication or release
- website URL
- other persistent identifier (if available)
- other relevant citation information (e.g., in the case of publications, title of enclosing work such as journal or book, volume, issue, pages)

Certification

Certify the information provided in the Biosketch is current, accurate, and complete. Also certify that, at the time of submission, you are not a party in a malign foreign talent recruitment program.

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