

NEWS

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Samuel Ginn
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Announcements

2024 Fall Faculty Colloquium Dates

Last Wednesday, August 28, marked the first faculty colloquium of the Fall semester. Please continue to join us in **Brown-Kopel's 2nd Floor Grand Hall from 12:00 pm–1:00 pm** to hear from a variety of speakers. The Fall schedule is as follows:

- Wednesday, September 11
- Wednesday, October 2
- Tuesday, October 29
- Tuesday, November 12
- Wednesday, December 4

Hanover Research Webinar

Scaling Up Your Research
Thursday, September 26, 2024
11:00 a.m. (CST)

This session will focus on grant-seekers interested in broadening the scope of their research, adapting to target larger-scale grant opportunities, or exploring collaborations across disciplinary lines. For information on registration, and to access past presentations via the Webinar Archive, visit the Proposal Services & Faculty Support web page and click on the [Training and Resources tab](#).

Proposal Assistance Available

Student interns in the Engineering Research Administration (ERAD) office are available to assist faculty with technical writing, editing, and preparation of graphics for proposals. If you would like assistance with your proposal, please email erad@auburn.edu.

Funding Opportunities

NIH Research Software Engineer (RSE) Award

National Institutes of Health (NIH)

Earliest Submission Date: November 4, 2024 (5:00 p.m. CT)

Letter of Intent Due: 30 days prior to the application due date

Areas of Interest: biomedical, behavioral and health related software, tools, algorithms

Award Amount: The NIH ODSS intends to fund **18–20 awards** in FY25. For a project duration of up to three years, the combined budget for direct costs (per award) may not exceed **\$300,000**.

Request an application forms package using [ASSIST](#).

The Research Software Engineer (RSE) Award is designed to provide salary support for RSEs contributing to NIH-funded biomedical, clinical, behavioral or health-related research software, tools, and algorithms, but who are *not* in a traditional independent investigator career path.

Institutions must include Letters of Support for the applicant who is applying for the Research Specialist (R50) Award. Two types of Letters of Support are required:

- A letter of support from the NIH-funded PI ("Other Significant Contributor")
- At least two letters of recommendations from PIs, research programs, or employers, who can attest to the RSE's qualifications and research contributions

For more information regarding eligibility, application, and submission information, please view the full notice [here](#).

Privacy-Preserving Data Sharing in Practice (PDaSP)

National Science Foundation (NSF)

Proposal Due: September 27, 2024 (5:00 p.m. CT)

Areas of Interest: data science & analytics, computer science, software engineering

In collaboration with industry funding partners and other federal agencies, NSF seeks to accelerate efforts to develop practical solutions that enable data sharing and analytics in a privacy-preserving manner. This solicitation is requesting proposals related to maturing PPDSA technologies to increase the utility of data, accompanied by clear plans for relevant demonstration of the viability of the proposed solutions for one or more identified use-cases and/or application contexts.

The PDaSP program is welcoming proposals within the following tracks:

- **Track 1:** Advancing key technologies to enable practical PPDSA solutions
- **Track 2:** Integrated and comprehensive solutions for trustworthy data sharing in application settings
- **Track 3:** Usable tools, and testbeds for trustworthy sharing of private or otherwise confidential data

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

Center Spotlight

Exciting Developments in SGCoe's Center for Occupational Safety, Ergonomics, and Injury Prevention (OSEIP)

Auburn University's Center for Occupational Safety, Ergonomics, and Injury Prevention (OSEIP) aims to address occupational health and safety burdens through innovative research, instructional excellence, and continuous partnerships with other organizations that value the health, safety, and well-being of workers.

Since its founding in 2017, OSEIP has remained an active member of the Deep South Center for Occupational Health and Safety, a National Institute for Occupational Safety and Health (NIOSH) Education and Research Center. Faculty members are also affiliated with Auburn's Interdisciplinary Center for Advanced Manufacturing Systems (ICAMS), sponsored by the Department of Defense's Office of Innovation Capability and Modernization.

The center houses two major programs: the Occupational Safety and Ergonomics (OSE) program and the Occupational Injury Prevention (OIP) program. According to OSEIP's director, Dr. Mark Schall, the OSE program trains graduate students to identify, analyze, control, and prevent OSE hazards through engineering methodologies and design. Students also get to participate as members of an interdisciplinary occupational safety and health team. Meanwhile, the OIP program trains graduate students to apply interdisciplinary approaches to problem-solving using the public health model—and through collaboration with experts in occupational epidemiology, public health, safety engineering, ergonomics, and other fields.

Dr. Schall said the center's vision is to be a leader in industrial safety and ergonomics by promoting sustainable technological solutions, and translating these into practice, to support community needs.

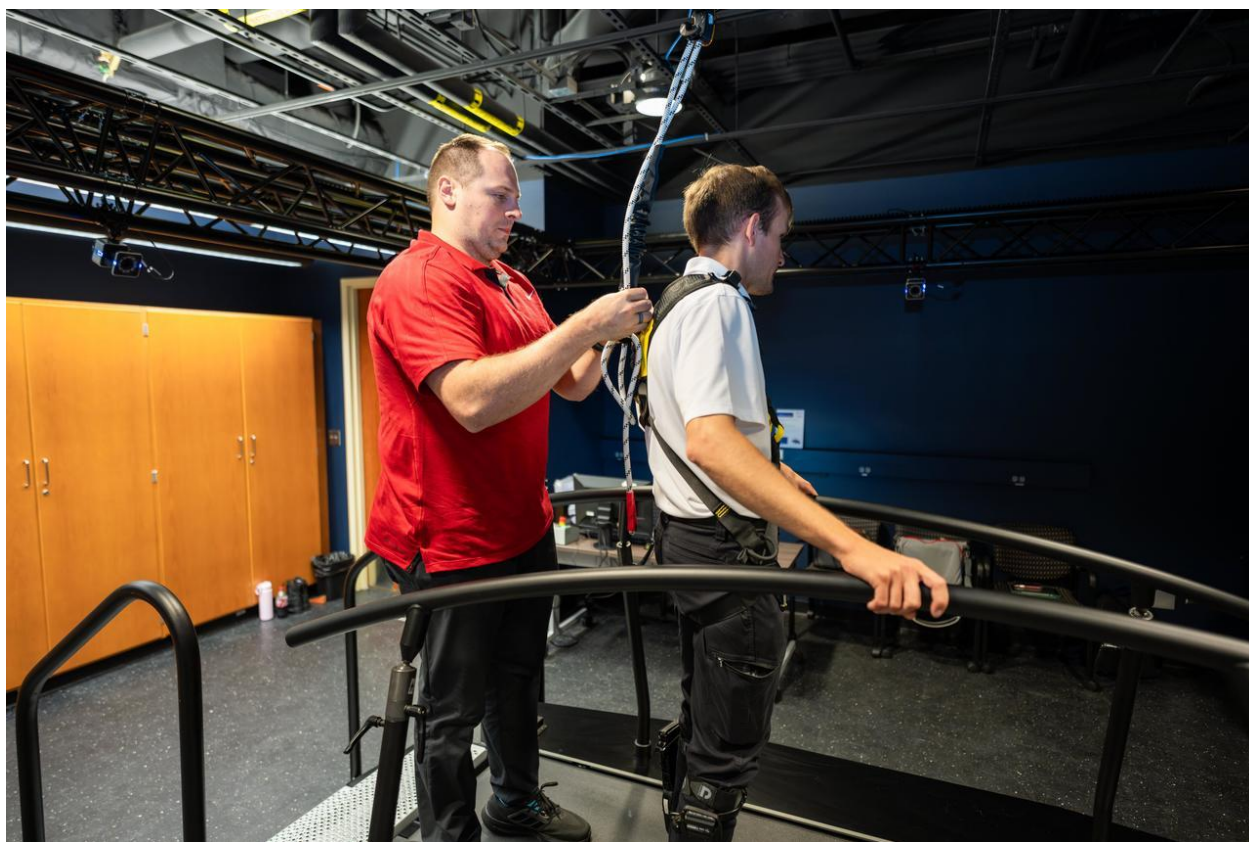


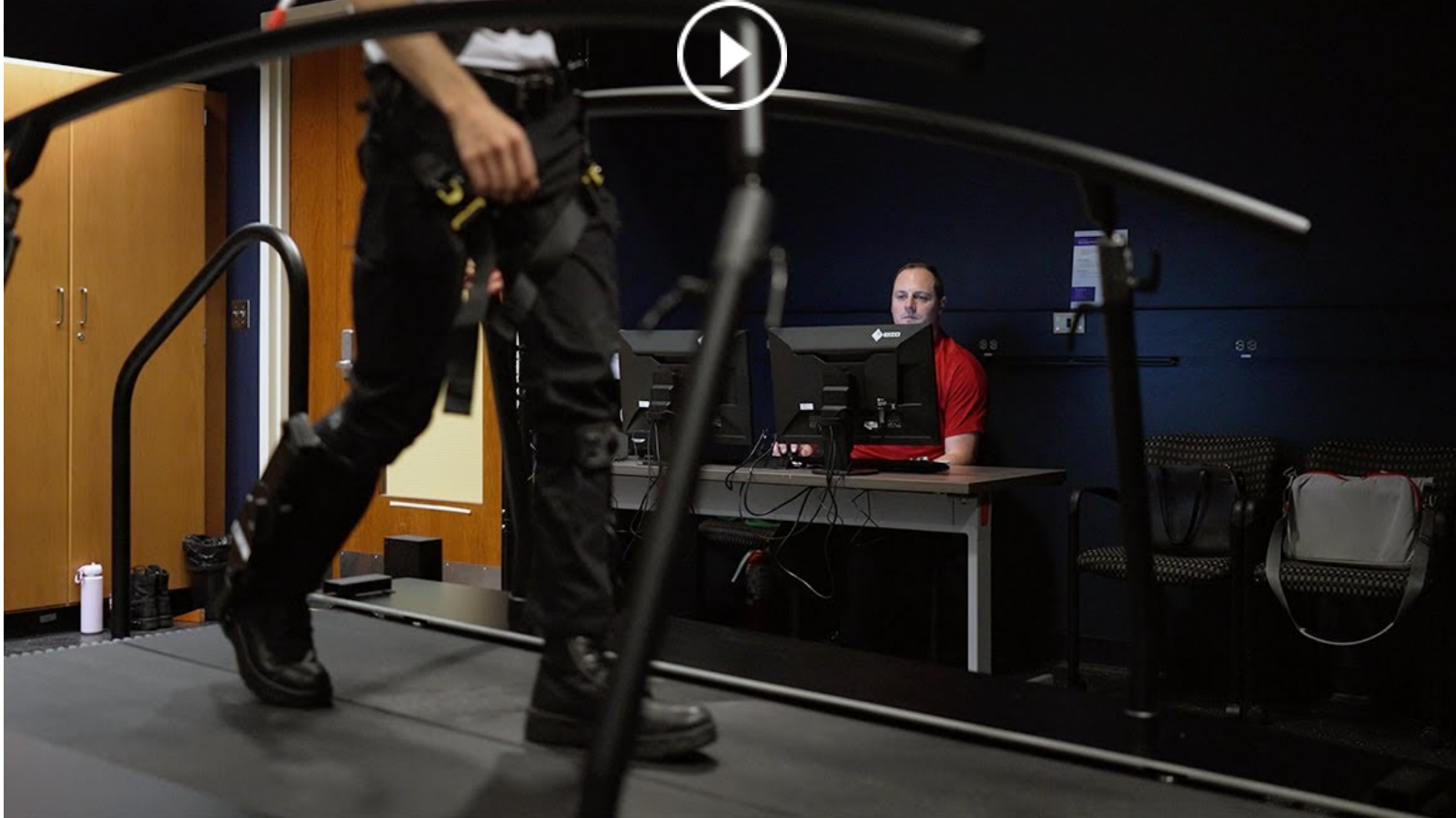
Photo provided by Marcus Kluttz, Media Production Manager in SGCOE's Office of Communications and Marketing

Recent Renovations

In Spring 2024, OSEIP underwent an extensive laboratory renovation to optimize work efficiency and boost productivity for students, faculty, and researchers.

The lab spaces are now equipped with an MGAIT-instrumented biomechanics treadmill and the latest motion capture equipment to facilitate research and education initiatives. "We are now better suited to complete biomechanical analyses without the typical space limitations that accompany many motion capture labs," Dr. Schall said.





Video provided by SGCOE's Office of Communications and Marketing

Advancements in Research

OSEIP's research is also rapidly expanding. According to Dr. Schall, the most recent extramurally-funded awards include:

- A project for creating a small and medium-sized manufacturer workforce training environment designed to facilitate the adoption of automation and exoskeletons (a component of a project with ICAMS)
- A field-based study exploring the use of wearable inertial sensors in the manufacturing industry
- A laboratory-based investigation of novel surface electromyography and inertial sensor signal processing techniques to classify and predict warfighter kinematics

For more information on the Occupational Safety, Ergonomics and Injury Prevention Center, visit their website [here](#).

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