6 Em 2025

E·materials

PennState Materials Research Institute

IN THIS ISSUE

FEATURED STORY

FACILITIES

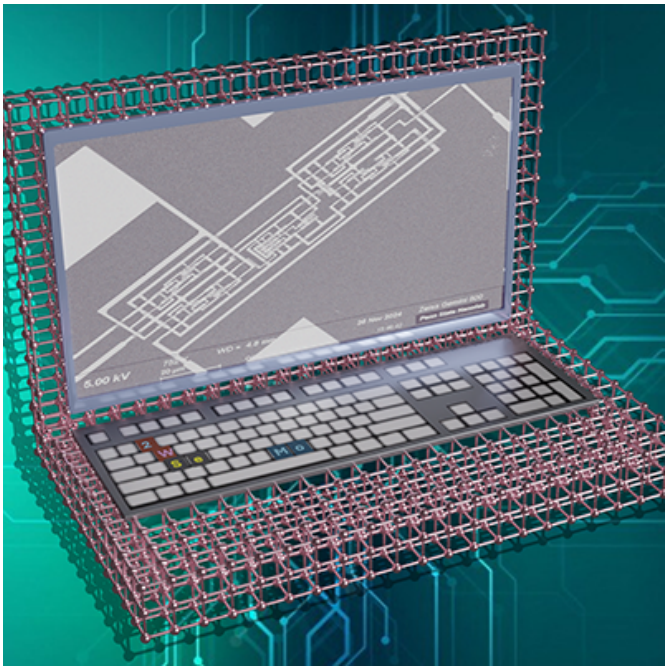
(and the people using them)

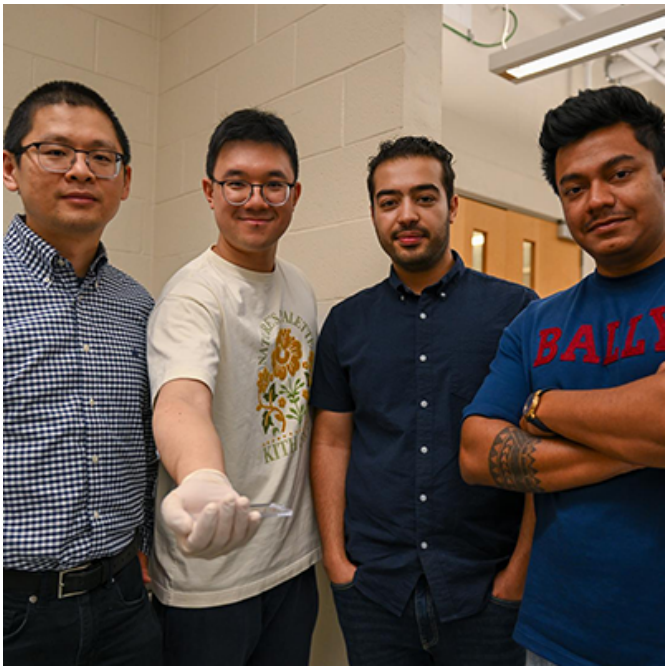
drive innovation at Penn State

LEAD STORY IN FOCUS ON MATERIALS MAGAZINE

In the heart of Penn State's University Park campus stands the Millennium Science Complex (MSC), a striking architectural feat that houses the Materials Research Institute (MRI). Beyond its impressive facade, the MSC is a hub of scientific discovery, education, and collaboration, embodying the University's commitment to advancing materials science for the greater good.

READ THE LEAD STORY





World's first 2D, non-silicon computer developed

LEAD: PROF. SAPTARSHI DAS

This development represents a major leap toward the realization of thinner, faster, and more energy-efficient electronics — without relying on silicon.

Read More

Rewriting a scientific law to unlock the potential of energy, sensing, and more

LEAD: ASST. PROF. LINXIAO ZHU

A research team from Penn State has broken a 165-year-old law of thermal radiation with unprecedented strength, setting the stage for more efficient energy harvesting, heat transfer and infrared sensing.

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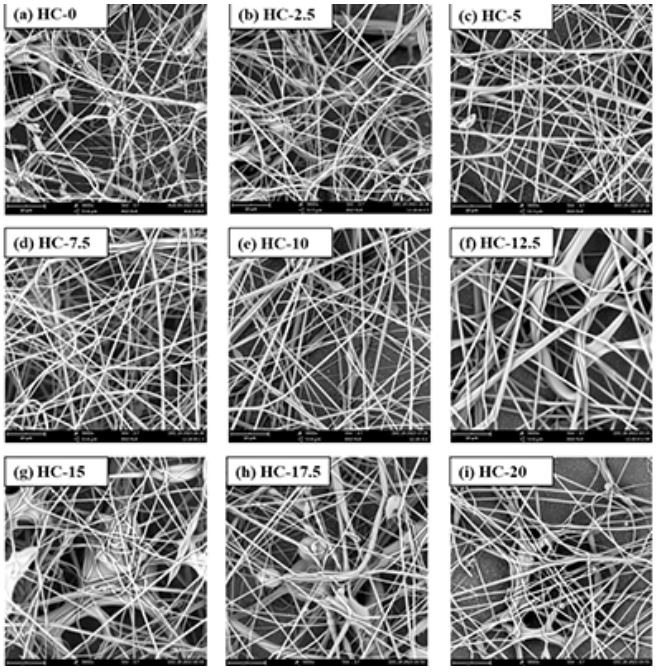


Edible, biodegradable fibers made from milk protein, cellulose

LEAD: PROF. GREGORY ZIEGLER

Researchers made mats from the tiny fibers as a proof-of-concept; report their work holds promise for sustainable food packaging, wound dressings, cosmetics, filtration, and more.

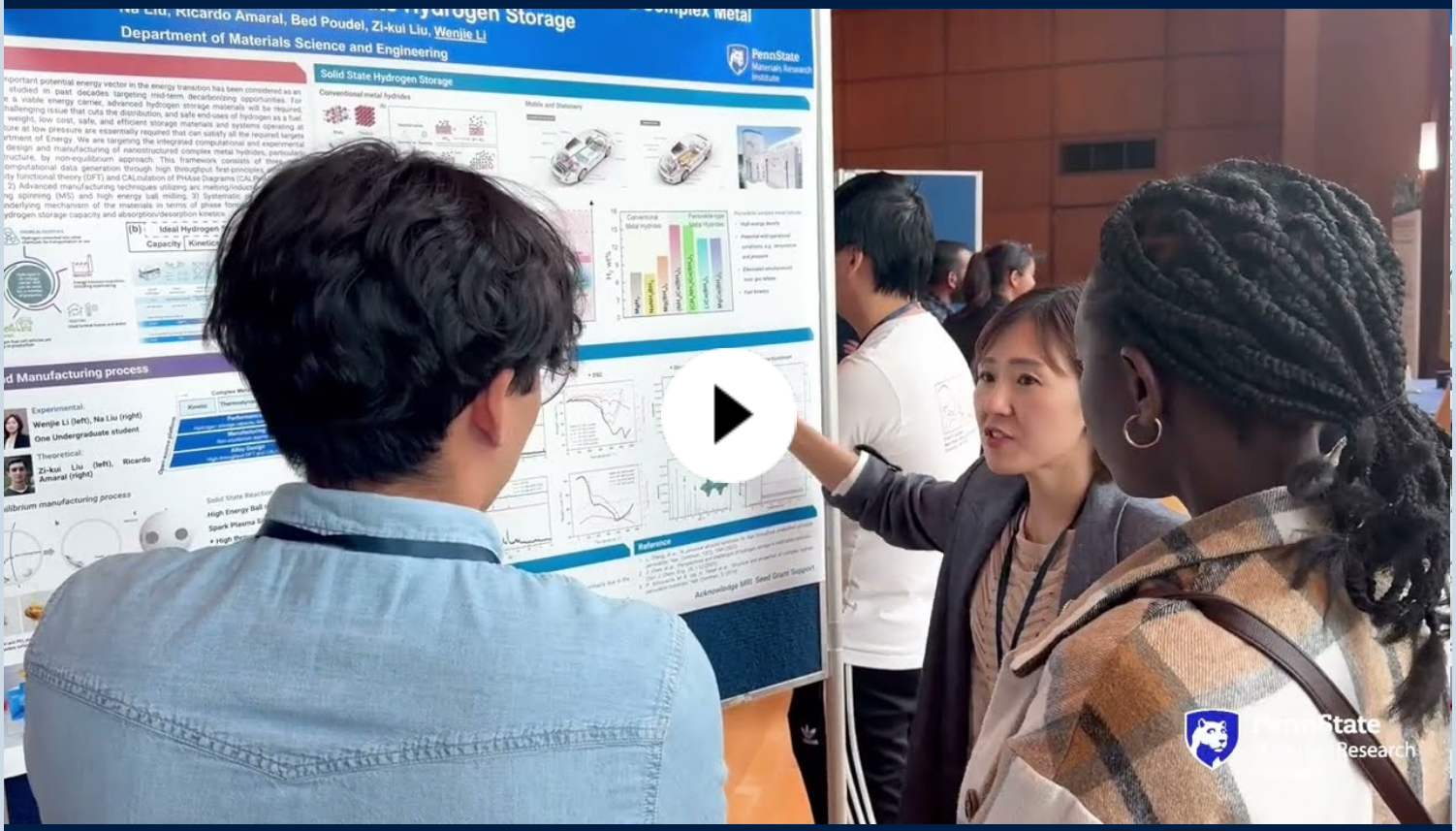
Read More

Focus on Materials Spring 2025 magazine is here!

In this issue, we delve deeper into the stories of Penn State's research facilities, exploring how they serve as both the physical and intellectual infrastructure of modern materials science. From fostering student engagement to enabling industry collaborations, these facilities are at the core of transformative research and education.

Read the Magazine

MATERIALS DAY 2025



REGISTRATION OPENING SOON!

October 28, 2025

Get ready for an exciting day of discovery and innovation at Materials Day 2025 — an open house event! Whether you're a student, researcher, industry professional, or just curious about cutting-edge science, this open house is your chance to:

- Explore world-class research facilities
- Meet interdisciplinary research teams and graduate students
- Experience live demos and hands-on science
- Check out poster sessions throughout the building
- Celebrate achievements with awards and more!

This is more than just a one-day open house material science event — it’s a launchpad for future collaborations between Penn State, industry, and government. Don’t miss this opportunity to connect, learn, and be inspired!

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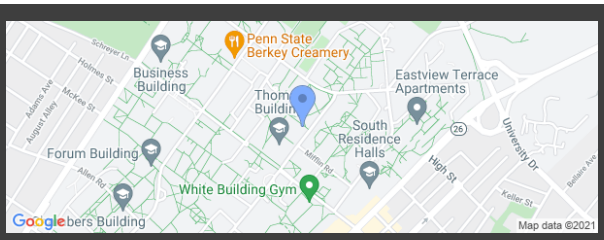

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