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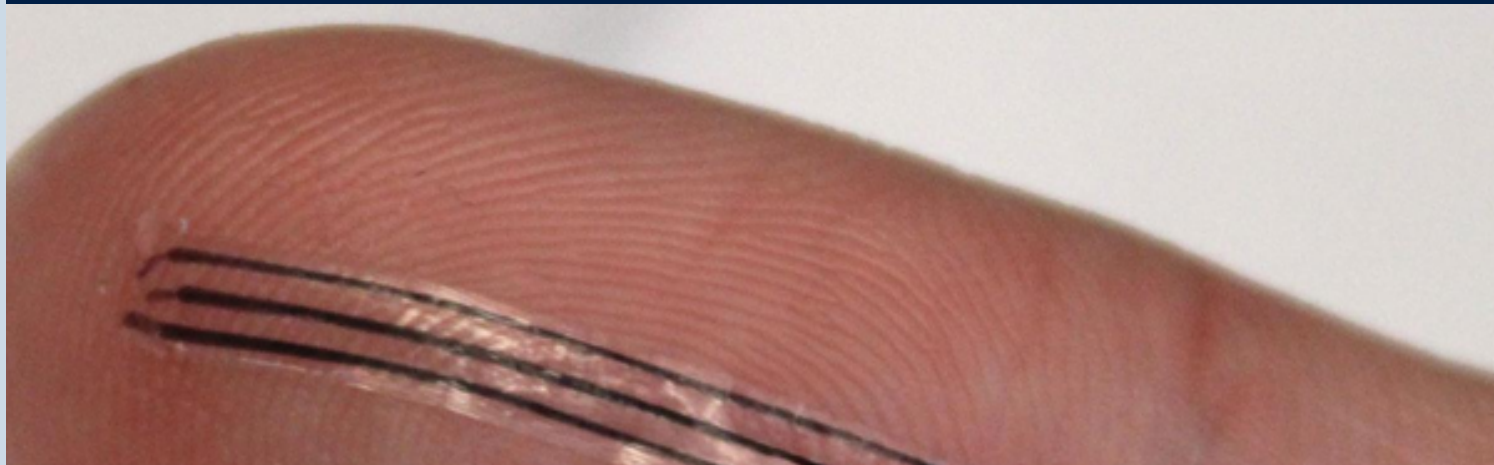
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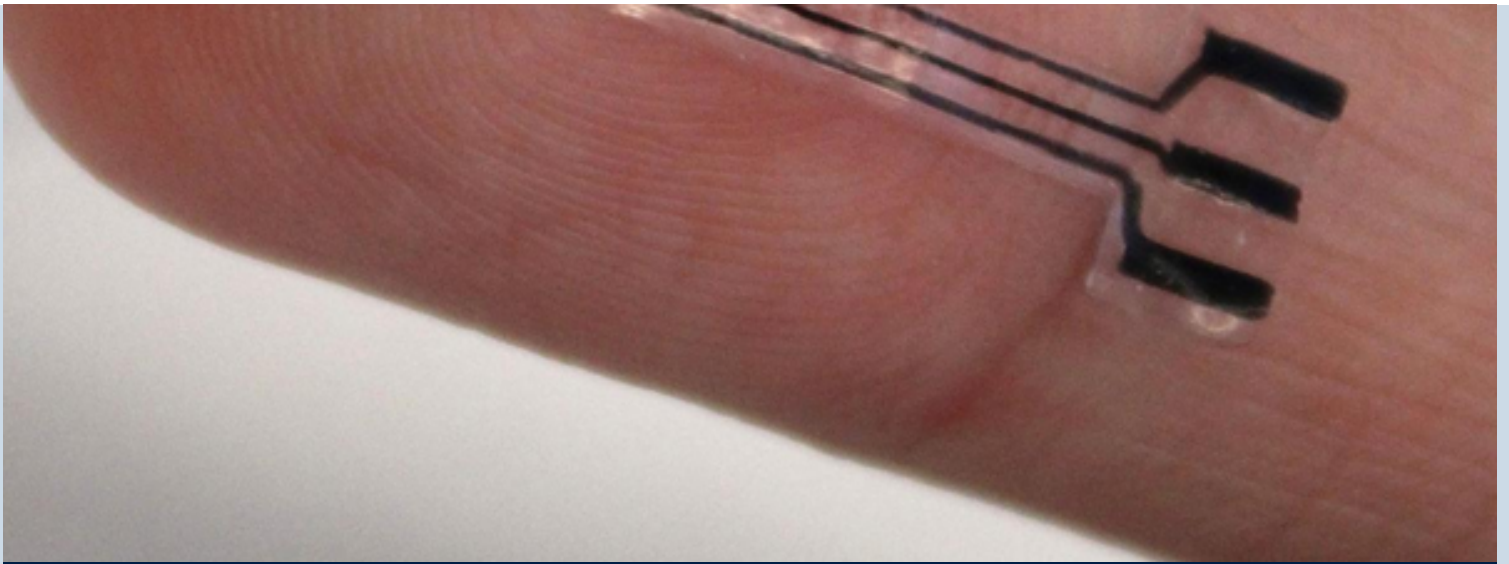
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FEATURED STORY



STRETCHY IMPLANTS COULD
stick to arteries to treat high blood pressure

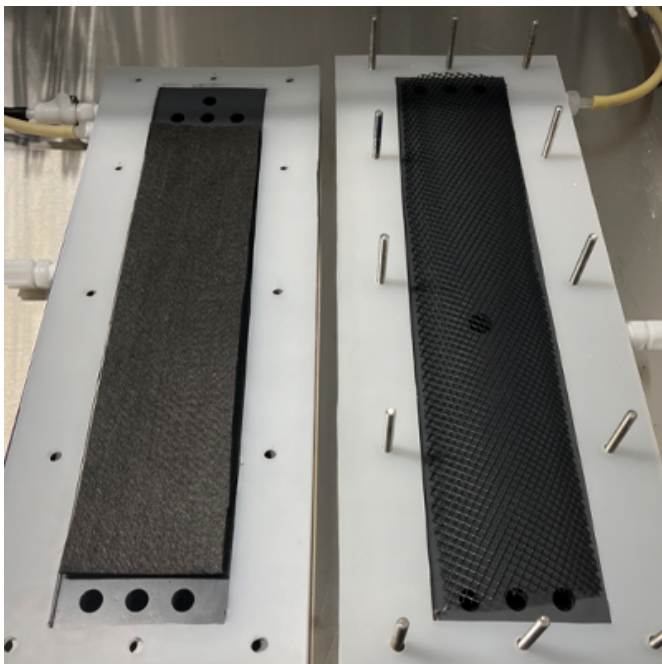


LEAD: PROF. TAO ZHOU

The team developed a new class of 3D-printed bioelectronics made of soft, stretchy materials, as well as an adhesive component that helps the device painlessly stick to biological tissue. The team reported that their new design, which they call CaroFlex and tested in a rodent model, relieved hypertension while causing much less damage to surrounding tissue.

[READ THE LEAD STORY](#)

OTHER NEWS



New reactor design produces renewable methane from carbon dioxide

LEAD: PROF. BRUCE LOGAN

An international team, led by Penn State's Institute of Energy and the Environment Director Bruce Logan, has developed a new reactor design that efficiently converts carbon dioxide and renewable electricity into methane — the primary component of natural gas — while scaling the system up by roughly an order of magnitude without sacrificing performance.

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3D-printed speaker cover can focus audio into a private 'sound spot'

LEAD: PROF. YUN JING

The team designed a system that can manipulate sound waves so that they are only audible at a precise spot slightly wider than an inch. Despite this tiny focal point, their system can produce high-quality audio, potentially offering listeners a crisp, yet private, sound experience.

Penn State names five new Evan Pugh University Professors

Five Penn State professors have been named Evan Pugh University Professors, an elite and prestigious distinction conferred by the University on only 84 faculty members since the establishment of the designation in 1960.

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Novel biogel may solve a hairy problem for wearable brain-monitoring systems

LEAD: PROF. HYANYU (LARRY) CHENG

Researchers at Penn State have developed a reusable material designed to solve two common problems in wearable brain-monitoring systems: hair interfering with contact between electrodes and skin, and the gels used to improve those connections drying out over time and weakening signal quality. The material, a thermoreversible semiconducting ionic biogel, becomes liquid when gently heated so it can move

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through hair and reach the scalp, then returns to a stable gel as it cools while maintaining its conducting and semiconducting properties.

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EVENTS



2026 CIMP-3D Practicum

Penn State Center for Innovative Materials Processing through Direct Digital Deposition (CIMP-3D)

WHEN:

June 23 - June 25, 2026

WHERE:

CIMP-3D Guion S. Bluford Jr. Building
230 Innovation Blvd., State College, PA 16803

WHY:

A three-day hands-on metal additive manufacturing practicum, plus two hands-on case studies provided by industry partners.

For information and to register for the **CIMP-3D Practicum**, please visit the event website [here](#).

[Details & Registration](#)

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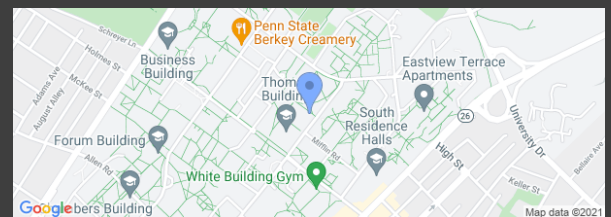
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