Artificial Intelligence

The U.S. and China Are Pursuing Different AI Futures

More money has been invested in AI than it took to land on the moon. Spending on the technology this year is projected to reach up to $700 billion, almost double last year's spending.

This is the most misunderstood graph in AI

To some, METR's "time horizon plot" indicates that AI utopia-or apocalypse-is close at hand. The truth is more complicated.

How AI slop is causing a crisis in computer science

Preprint repositories and conference organizers are having to counter a tide of 'AI slop' submissions. Preprint repositories and conference organizers are having to counter a tide of 'AI slop' submissions.

The End of the Office

I write this filled with sadness. Last week, I wrote about how AI is now replacing white-collar workers in earnest as Claude's Co-work released plug-ins for legal, financial and marketing functions.

The Adolescence of Technology

Confronting and Overcoming the Risks of Powerful AI

Robotics

GE Aerospace uses robots to fix jet engine blades, reduce repair delay

GE Aerospace is teaching robots to repair jet engine blades as global maintenance backlogs stretch into months.

Infrastructure

2026 Predictions: AI Sparks Data Center Power Revolution

As AI workloads scale from pilots to production, experts say 2026 will test the limits of data center energy, operations, and sustainability.
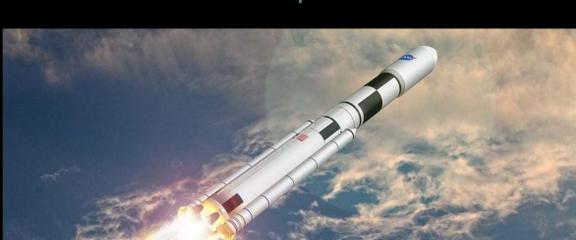
Energy

Solving AI's Power Demands

Mark Whitney, president of energy and environment at Amentum, explains how the U.S. can meet AI's growing need for energy with nuclear-powered data centers.

Aerospace

Data Centers May Be Skyrocketing... Literally

AI Data Centers may soon be moving to space, but that move may have significant environmental and consumer impacts without environmental impact assessments and regulations.

Life Sciences

**Pills Are Becoming Machines That Work Inside the Gut**

Engineers are building ingestible electronic capsules to sense conditions in the gut, deliver drugs, and collect samples-all without invasive procedures.

Breakthrough CRISPR system could reverse antibiotic resistance crisis

Antibiotic resistance is racing toward a global crisis, with "superbugs" projected to cause over 10 million deaths annually by 2050. Now, scientists at UC San Diego have unveiled a powerful new CRISPR-based tool that doesn't just fight resistant bacteria-it can actively strip away their drug resistance.

In the Lab
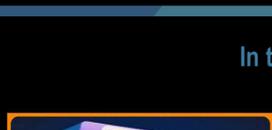
2025's Biggest Breakthroughs in Computer Science

2025's most surprising computational revelations included a new fundamental relationship between time and space, an undergraduate who overthrew a 40-year-old conjecture, and an important milestone in quantum computing.

Could the discovery of a tiny RNA molecule explain the origins of life?

One of the greatest mysteries of our planet is how a soup of lifeless chemicals transformed into the first living cell. There are several competing theories about where this happened, from frozen polar ice to superheated hydrothermal vents. But one thing that most scientists agree on is that life could not begin until a molecule appeared that could spontaneously copy itself.

After Hours

Social pressure forces baby clownfish to lose their bars faster

Researchers investigate how and why fish color patterns form and change, revealing insights into the evolutionary origins of this environmental adaptability