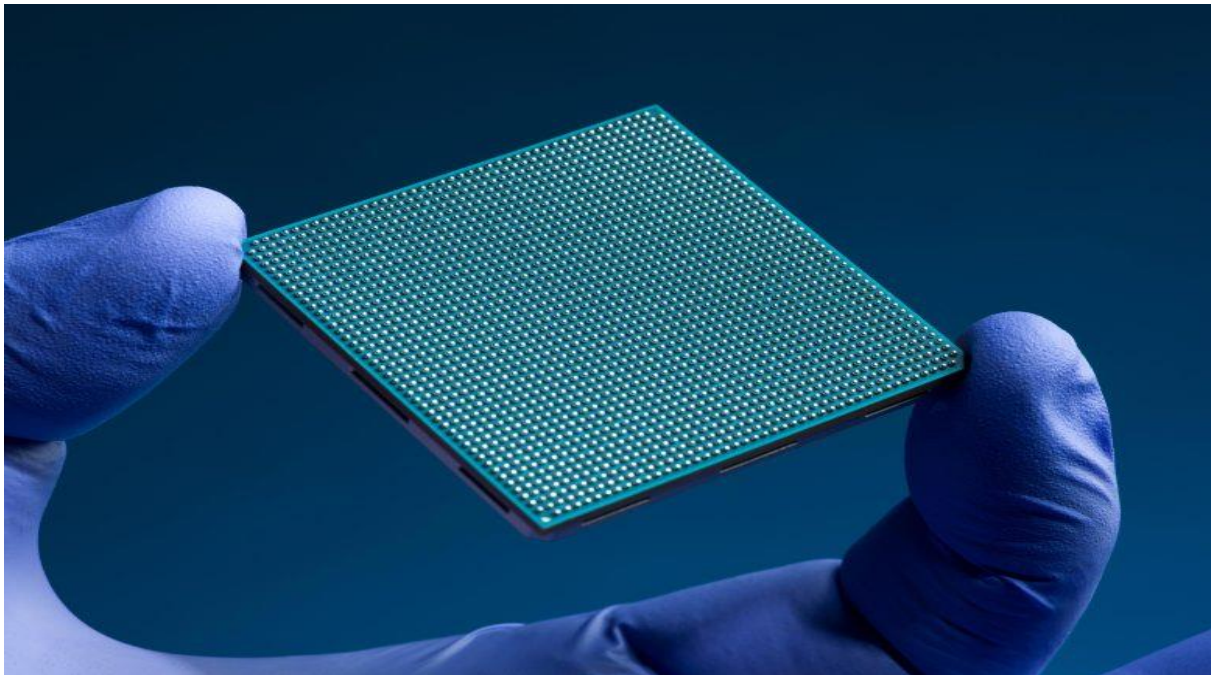

Department of Data Science
Weekly Data Science Bytes

NASA's New AI Processor Is 500x Faster Than Current Space Computers



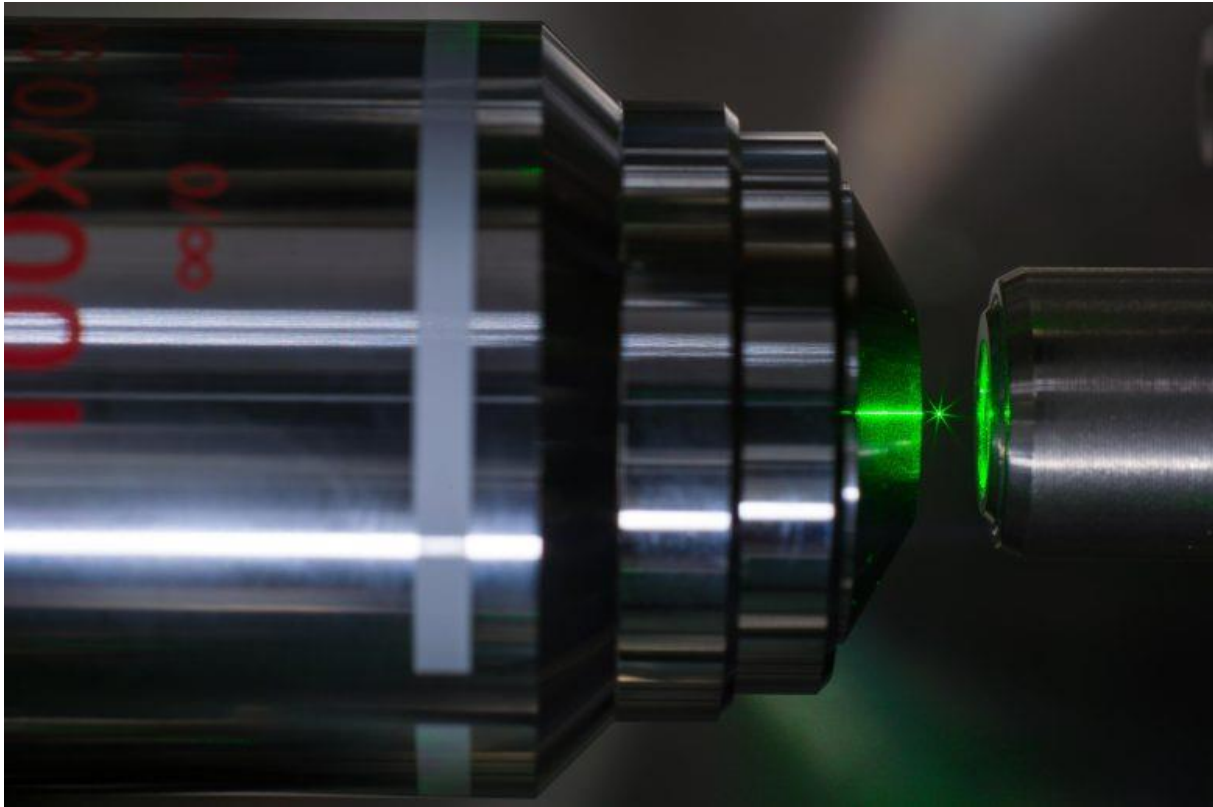
NASA's new AI-ready space chip could give future spacecraft a brain of their own.

NASA is developing a powerful new computer chip that could dramatically change how future spacecraft operate in deep space. Created through a commercial partnership, the advanced processor is designed to give spacecraft the ability to process information far more quickly and even make certain decisions independently during missions far from Earth.

NASA's Push for Smarter Spacecraft

The agency's High Performance Spaceflight Computing project is focused on increasing the computing capabilities of spacecraft used for exploration missions. Current spacecraft rely on older processors because they are reliable and durable enough to survive the harsh conditions of space. However, those chips lack the performance needed for the next generation of missions.

This New “Sound Laser” Could Measure Gravity With Stunning Precision



Squeezed Phonon Laser Advances Precision

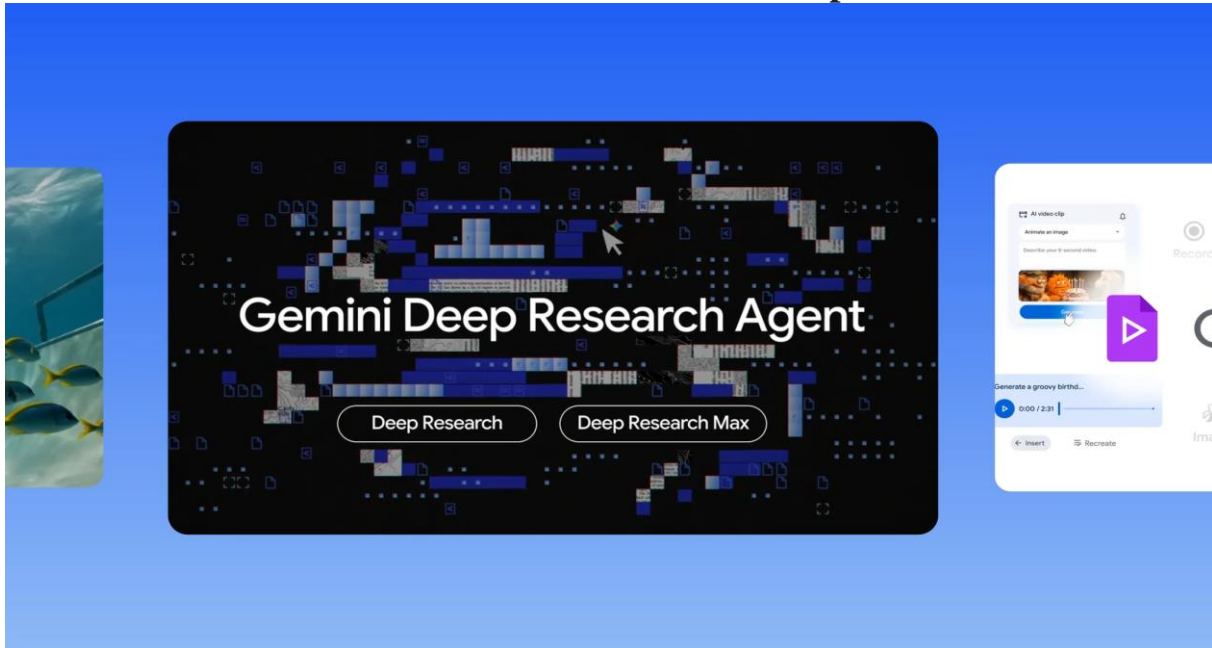
A team from the University of Rochester and Rochester Institute of Technology has developed a new squeezed phonon laser that can precisely control vibrations at the nanoscale. This level of control may help scientists better understand gravity, particle acceleration, and the principles of quantum physics. In their study published in Nature Communications, the researchers explain how they guided these small units of mechanical motion to behave in a coordinated, laser-like manner.

Nvidia CEO Jensen Huang warns employees across industries: You are going to lose your job, if you do no



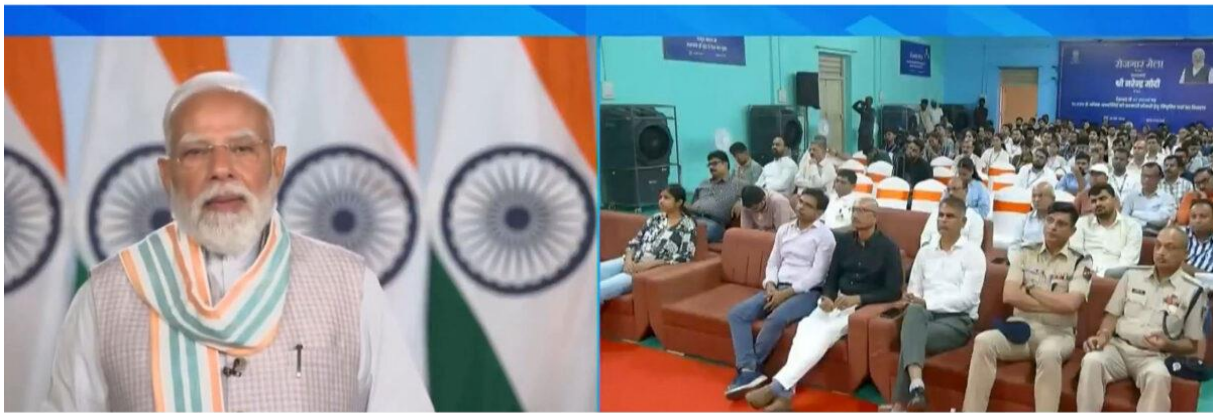
- Nvidia CEO Jensen Huang has now issued one of his issued one of his starkest warnings yet on the future of work, telling employees across industries that failure to adopt artificial intelligence could cost them their dream jobs. Speaking in an interview with Time, Huang said that AI will not erase human purpose but will automate repetitive tasks, freeing workers to focus on creativity and decision-making. ““Our job is not to wrangle a spreadsheet, our job is not to type into a keyboard,” he explained, stressing that AI will fundamentally reshape workflows.
- Huang further predicted that AI could double or even quintuple global GDP, expanding the world economy from \$100 trillion today to \$200–500 trillion over time. He further argued there is ‘no fundamental limit’ to economic growth once AI is fully integrated into industries. Jensen Huang’s blunt warning to workers The Nvidia CEO also cautioned that every worker will need to use AI tools. “Everybody will have to use AI because if you don’t use AI, you’re going to lose your job to somebody who does,” Huang said.

The latest AI news we announced in April 2026



- For more than 20 years, we've invested in machine learning and AI research, tools and infrastructure to build products that make everyday life better for more people. Teams across Google are working on ways to unlock AI's benefits in fields as wide-ranging as healthcare, crisis response and education. To keep you posted on our progress, we're doing a regular roundup of Google's most recent AI news.
- April 2026 was a huge month for AI at Google. [Cloud Next '26](#) was all about helping businesses make the most of agentic AI with new releases like the Gemini Enterprise Agent Platform and our eighth-generation TPUs — two specialized chips designed for the agentic era. We also released Gemma 4 (byte for byte the most capable open model), Deep Research Max for advanced data analysis and the new Learn Mode in Colab, which transforms Gemini into your personal coding tutor. These new tools and features can help with everything from stronger and more energy efficient enterprises to helping students reach their full potential.

PM Modi highlights global interest in India's youth and technology progress



- Addressing the event, the Prime Minister reflected on his recent five-nation diplomatic tour, where he engaged with political leaders and heads of major corporations. “I just returned from a trip to five countries two days ago.
- It was only a five-nation trip, but during this time, I spoke, had detailed discussions, and met with leaders of major companies from dozens of countries, and I felt one thing in common everywhere: The world is very excited about India's youth and India's technological progress,” he said