

# ARTIFICIAL INTELLIGENCE

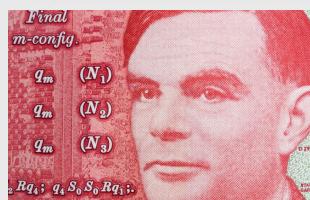
Which Economic

in occupations

A\ anthropic.com

Tasks are





Performed with AI? Evidence from Millions of Claude Conversations Al pioneers scoop Turing Award for

reinforcement learning work the 2024 Turing Award for their work in

Two trailblazing computer scientists have won reinforcement learning.

techcrunch.com

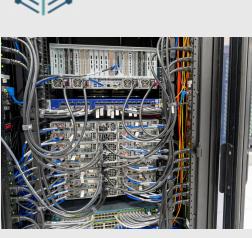
ANTHROP\C The Anthropic Economic Index Announcement of the new Anthropic Economic

Index and description of the new data on AI use

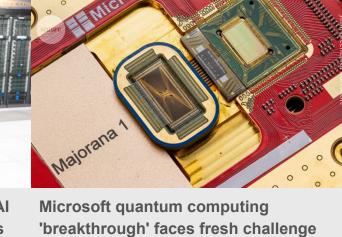
**INFRASTRUCTURE** 







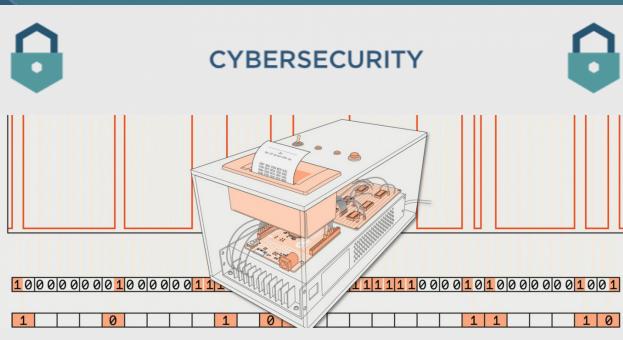
Next top model: Competition-based Al study aims to lower data center costs Who, or rather what, will be the next top model? Data scientists and developers at the U.S. Department of Energy's Thomas Jefferson National Accelerator Facility are trying to find out, exploring some of the latest artificial intelligence (AI) techniques to help make highperformance computers more...



topological qubits. Analysis pokes holes in created the first topological qubits. nature.com

> techxplore.com

Analysis pokes holes in protocol that underpins Microsoft's claim to have created the first protocol that underpins Microsoft's claim to have



**Build a Perfect Cryptographic Machine** 

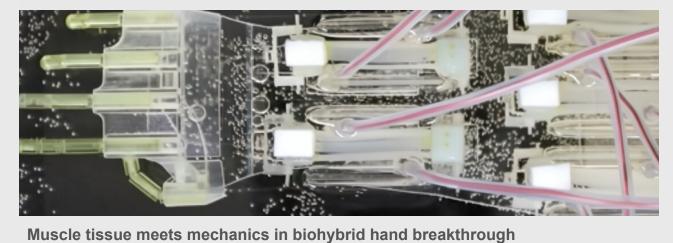
One-time pads are the only future-proof form of cryptography, but they are hard to create. The Pad-O-Matic generates one-time pads in convenient rolls of paper using a hardware random-number generator.

spectrum.ieee.org



### **ROBOTICS**



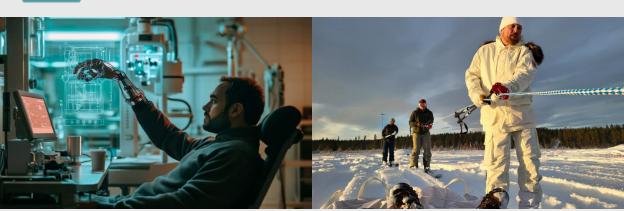


Combining lab-grown muscle tissue with a series of flexible mechanical joints has led to the development of an artificial hand that can grip and make gestures. The breakthrough shows the way forward for a new kind of robotics with a range of potential applications. newatlas.com



## **ARTIFICIAL SENSING**





**AI-Powered Brain Implant Lets** Paralyzed Man Control Robotic Arm A new brain-computer interface (BCI) has enabled a paralyzed man to control a robotic arm by simply imagining movements. N neurosciencenews.com

MIT researchers developed a single-fiber computer that is soft, durable, and elastic. The fiber can be sewn into a garment to make wearable devices that provide richer and more accurate health data in real-time. news.mit.edu

Fiber computer allows apparel to run

apps and "understand" the wearer



LIFE SCIENCES



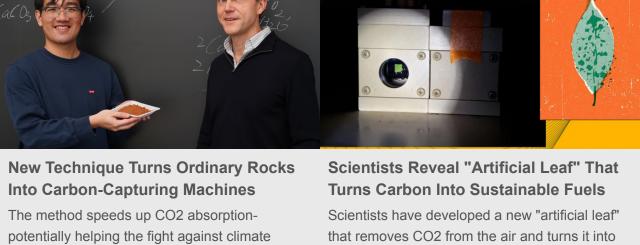


DNA letter pairs-spanning all branches of life. singularityhub.com

**ENERGY** 







**G** gizmodo.com

change.

sustainable fuel. futurism.com VIRTUAL AND



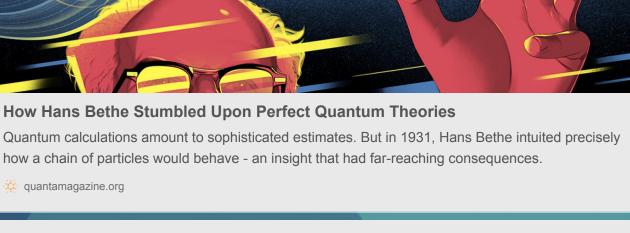
**AUGMENTED REALITY** 



phys.org

IN THE LAB





**AFTER HOURS** 





The Mystery of the World's Oldest Oscars Consider Requiring Films to **Writing System Remained Unsolved Disclose Al Use After 'The Brutalist' Until Four Competitive Scholars Raced** and 'Emilia Pérez' Controversies to Decipher It Advancing AI tech can be used in a wide range In the 1850s, cuneiform was just a series of of ways in motion picture production. baffling scratches on clay, waiting to spill the variety.com secrets of the ancient civilizations of

Mesopotamia

S smithsonianmag.com











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