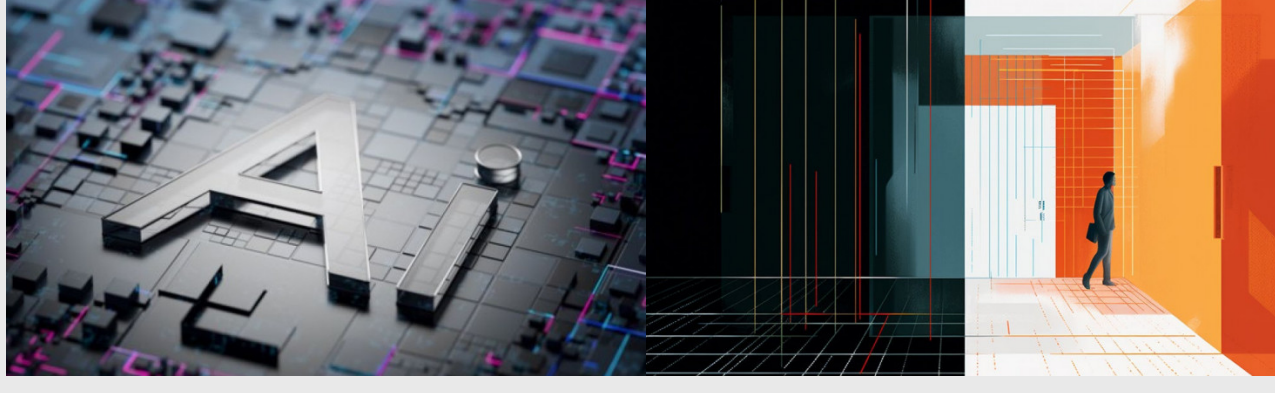




ARTIFICIAL INTELLIGENCE



4 Charts That Show Why AI Progress Is Unlikely to Slow Down

Progress in the capabilities of AI systems is predictably driven by progress in three inputs—compute, data, and algorithms.

[time.com](#)

The risks of AI are real but manageable

Bill Gates explains the risks associated with AI and argues that they are manageable. Innovations often create new risks that need to be controlled.

[gatesnotes.com](#)



The workers at the frontlines of the AI revolution

The global labor force of outsourced and contract workers are early adopters of generative AI - and the most at risk.

[festofworld.org](#)

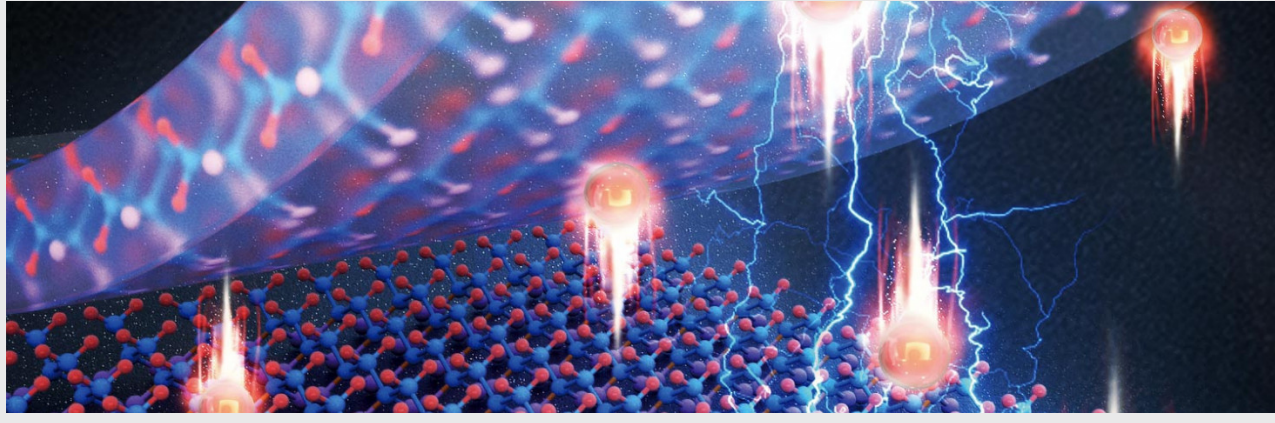
Liquid Neural Networks | Ramin Hasani TEDxMIT

Liquid neural networks are a class of AI algorithms that can learn to stay adaptable even after training. Liquid neural networks are inspired by how brain cells communicate with each other.

[youtu.be](#)



ROBOTICS



Artificial Muscles Flex for the First Time: Ferroelectric Polymer Innovation in Robotics

A new ferroelectric polymer that efficiently converts electrical energy into mechanical strain has been developed by Penn State researchers. This material, showing potential for use in medical devices and robotics, overcomes traditional piezoelectric limitations.

[scitechdaily.com](#)



Robopianist Is A Simulation For Advancing Robotic Control

Researchers at Google have posed themselves an interesting problem to solve: mastering the piano.

[hackaday.com](#)

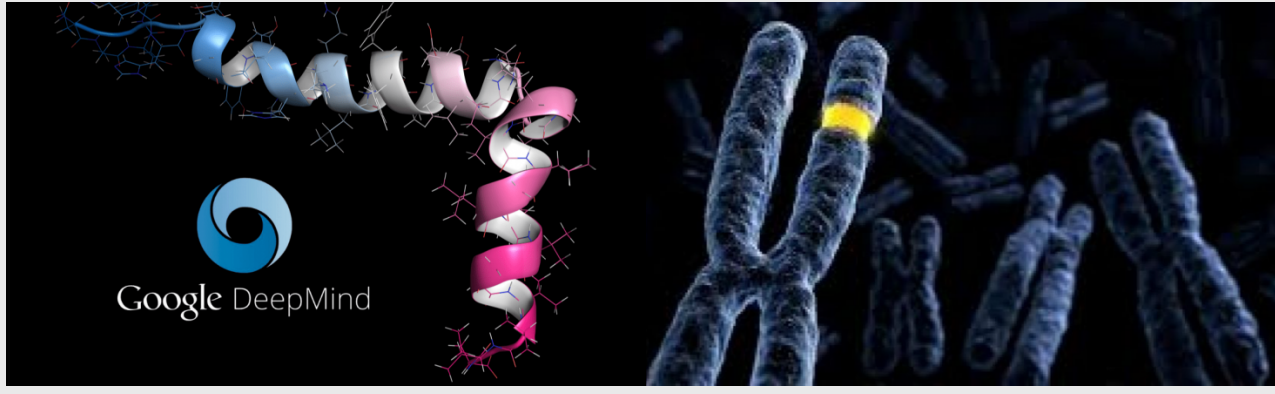
Google is training robots the way it trains AI chatbots

Google's new learning model combines large language models with robotic data so researchers don't need to plug in complex instructions.

[theverge.com](#)



LIFE SCIENCES



A year ago, DeepMind's AlphaFold AI changed the shape of science - but there is more work to do

Last summer, DeepMind's AlphaFold shook up science by predicting the shape of 200 million proteins. But there are more problems to solve.

[venturebeat.com](#)

How chromosome imbalances can drive cancer

An analysis of nearly 11,000 human cancers revealed how large chromosomal changes, called aneuploidies, can promote or slow the growth of tumors.

[broadinstitute.org](#)



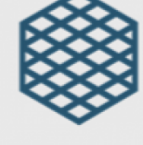
CYBERSECURITY



The Cryptographer Who Ensures We Can Trust Our Computers

Yael Tauman Kalai's breakthroughs secure our digital world, from cloud computing to our quantum future.

[quantamagazine.org](#)



ADVANCED MATERIALS



Inside the DIY Race to Replicate LK-99

Experts doubt claims that LK-99 is a room-temperature superconductor set to open up a future of levitating trains and quantum tech. Andrew McCallip wants to see for himself.

[wired.com](#)

'Stunning' discovery: Metals can heal themselves

Researchers from Sandia National Laboratories and Texas A&M University announce the first observation of a self-healing metal. If harnessed, the newly discovered phenomenon could someday lead to engines, bridges and airplanes that reverse damage caused by wear and tear, making them safer and...

[eurekalert.org](#)



AFTER HOURS



Why AI writing detectors think the US Constitution was written by AI

Can AI writing detectors be trusted? We dig into the theory behind them.

[arstechnica.com](#)



3 Notable Historic Female Engineers and Their Creations

These female engineers were pioneers of their time; luckily, their scientific contributions have not been lost to history.

[discovermagazine.com](#)

Viral French Soccer Ad Subverts Gender Expectations

An ad made by the Marcel agency for telecom company Orange uses video effects to show how women's soccer can be just as exciting as men's.

[time.com](#)

