



200 Best Inventions of 2023

Groundbreaking innovations that are making the world better, smarter, and a little more fun

[T time.com](https://time.com)



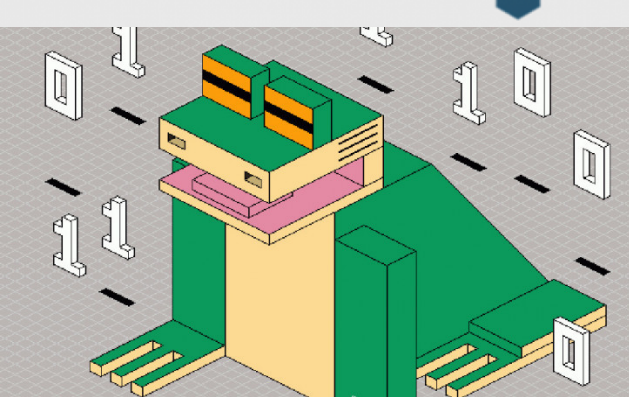
ARTIFICIAL INTELLIGENCE



State of AI Report 2023

State of AI Report October 12, 2023 Nathan Benach Air Street Capital #stateofai stateof.ai

docs.google.com



Generative AI's Energy Problem Today is Foundational

Before AI can take over, it will need to find a new approach to energy

spectrum.ieee.org



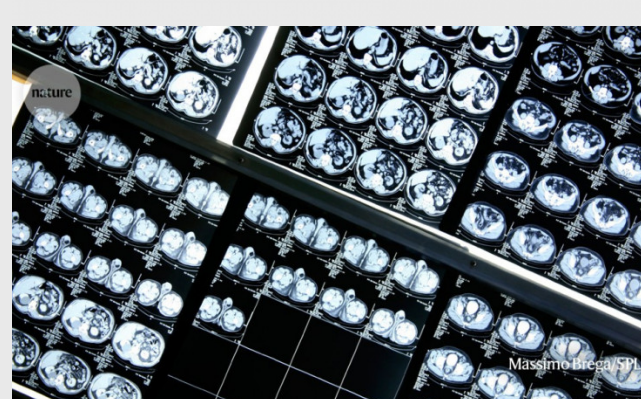
MIT's copilot system can set the stage for a new wave of AI innovation

MIT scientists have developed a deep learning system, Air-Guardian, designed to work in tandem with airplane pilots to enhance flight safety.

[vB venturebeat.com](https://venturebeat.com)



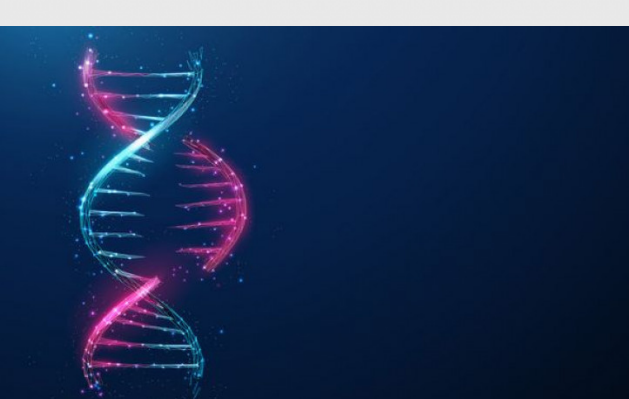
LIFE SCIENCES



An AI revolution is brewing in medicine. What will it look like?

Emerging generalist models could overcome some limitations of first-generation machine-learning tools for clinical use. Emerging generalist models could overcome some limitations of first-generation machine-learning tools for clinical use.

nature.com



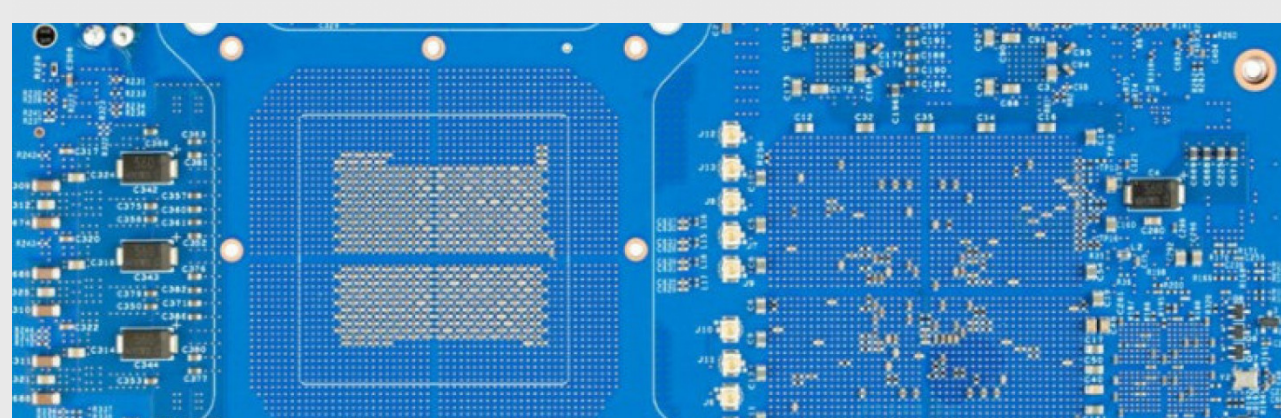
Gene Therapy: A New Frontier in Disease-Modifying Therapies

The gene therapy landscape is dynamic and constantly shifting. In this article, we will review major advances in disease modification for illnesses that presently still lack effective treatments, as well as some challenges and approaches to overcome them.

technologynetwork.com



TECHNOLOGICAL INFRASTRUCTURE



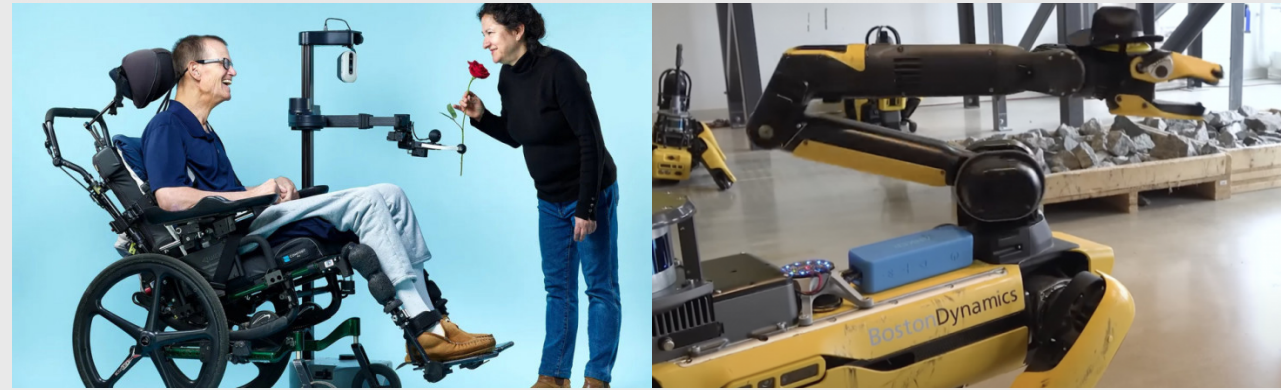
'Mind-blowing' IBM chip speeds up AI

IBM's NorthPole processor sidesteps need to access external memory, boosting computing power and saving energy. IBM's NorthPole processor sidesteps need to access external memory, boosting computing power and saving energy.

nature.com



ROBOTICS



This Robot Could Be the Key to Helping People With Disabilities

It's simple to use and gives users-and their caregivers-much needed independence

spectrum.ieee.org

Boston Dynamics turned its robot dog into a talking tour guide with ChatGPT

Boston Dynamics leveraged ChatGPT to turn its four-legged robot, Spot, into a talking tour guide. The company trained Spot to generate responses and answer questions about its facilities.

theverge.com



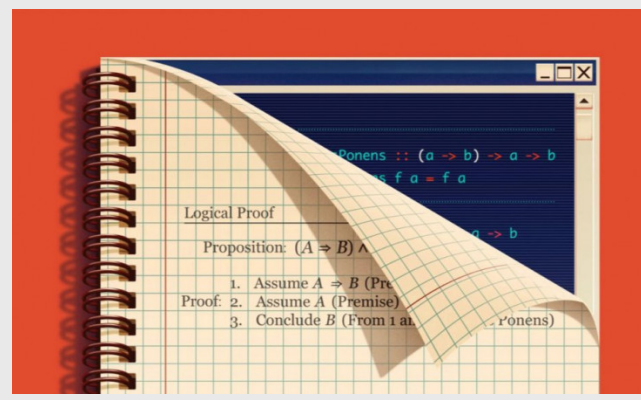
Top 10 robotics stories of October 2023

From RoboBusiness, to International Women in Robotics Day, to more advancements for humanoid robots, there was no shortage of news to cover.

therobotreport.com



IN THE LAB



The Deep Link Equating Math Proofs and Computer Programs

Mathematical logic and the code of computer programs are, in an exact way, mirror images of each other.

quantamagazine.org



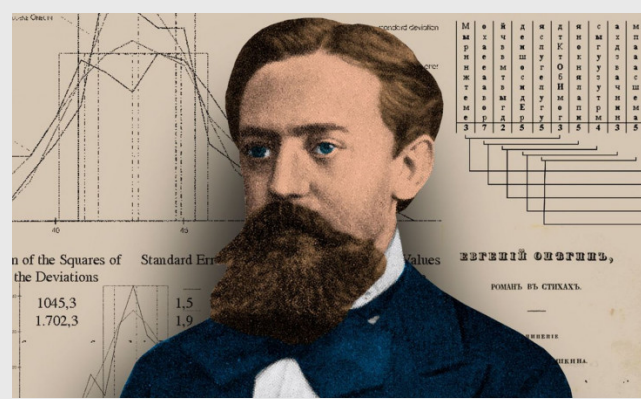
Physicists Say Time Travel Can Be Simulated Using Quantum Entanglement

"Whether closed timelike curves exist in reality, we don't know."

gizmodo.com



AFTER HOURS



Andrey Markov & Claude Shannon Counted Letters to Build the First Language-Generation Models

Part three of a six-part series on the history of natural language processing and artificial intelligence

spectrum.ieee.org



How would we know whether there is life on Earth? This bold experiment found out

Thirty years ago, astronomer Carl Sagan convinced NASA to turn a passing space probe's instruments on Earth to look for life - with results that still reverberate today. Thirty years ago, astronomer Carl Sagan convinced NASA to turn a passing space probe's instruments on Earth to look for life - ...

nature.com

