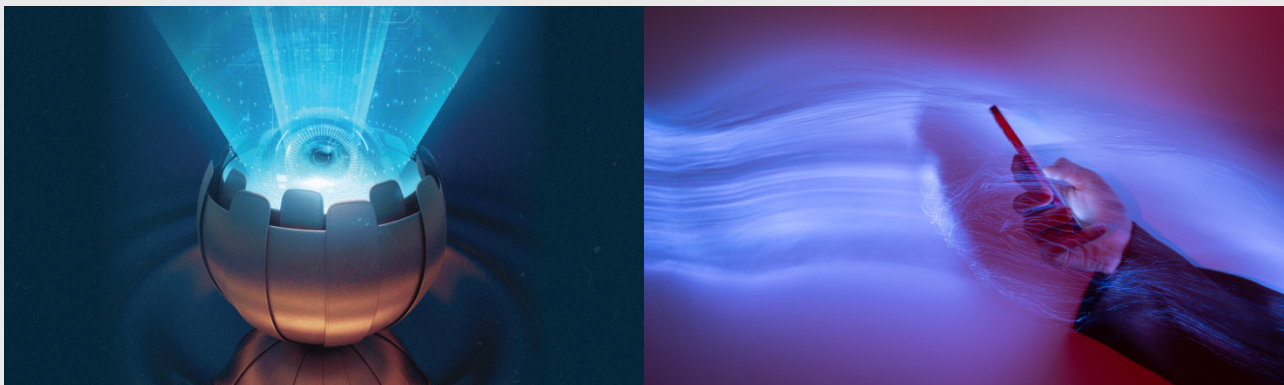




ARTIFICIAL INTELLIGENCE


The 100 Most Influential People in AI 2025

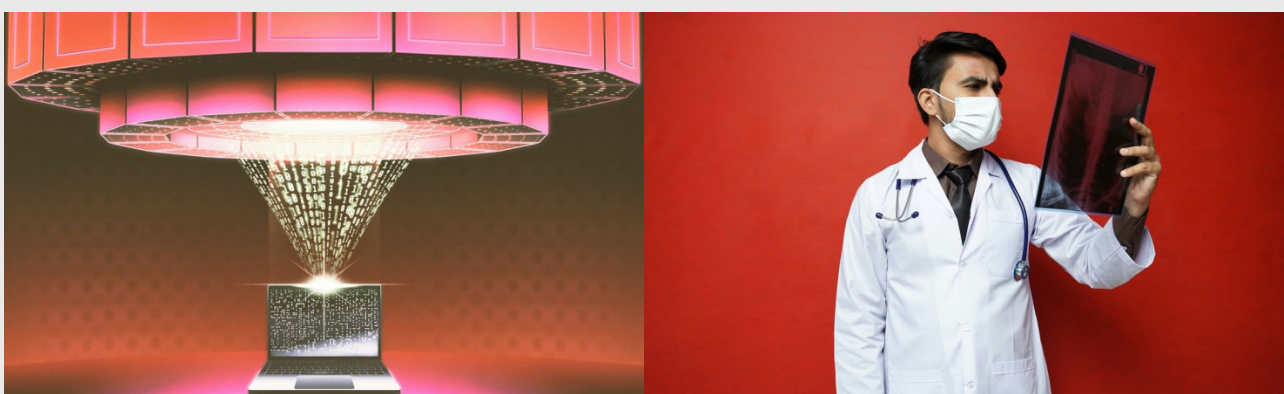
Meet the innovators, leaders, and thinkers reshaping our world through groundbreaking advances in artificial intelligence.

[time.com](#)

Why do AI chatbots use so much energy?

AI chatbots are infamous energy guzzlers. But why do they use so much electricity?

[livescience.com](#)


Distillation Can Make AI Models Smaller and Cheaper

A fundamental technique lets researchers use a big, expensive model to train another model for less.

[wired.com](#)

'Astonishing' AI Predicts Over 1,000 Diseases Decades in Advance

Trained on over 400,000 patient records, the AI predicts health trajectories for up to 20 years.

[singularityhub.com](#)

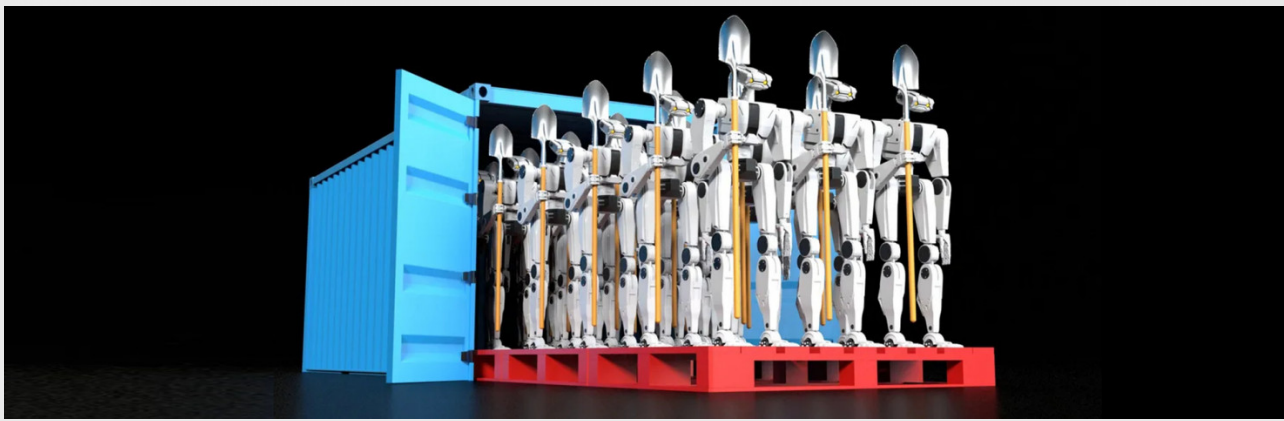

Addressing Gen AI's Quality-Control Problem

For all the enthusiasm around generative AI, a hurdle is limiting its adoption: the technology's tendency to make things up, leave things out, and create so many possibilities that it is hard to figure out which will be effective.

[nbr.org](#)



ROBOTICS

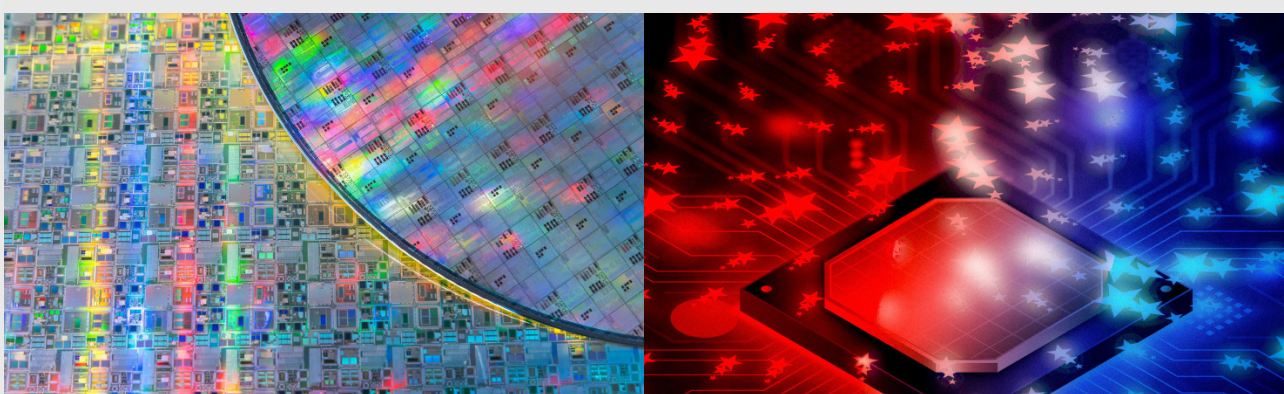

Reality Is Ruining the Humanoid Robot Hype

Humanoid robots face challenges in scaling due to demand, battery life, and safety, impacting their real-world applications.

[spectrum.ieee.org](#)



INFRASTRUCTURE


Johns Hopkins Unlocks New Chemistry for Faster, Smaller Microchips

Researchers have found a breakthrough process that shrinks microchips to unprecedented scales, unlocking the potential for faster, more efficient, and more affordable electronics.

[scitechdaily.com](#)

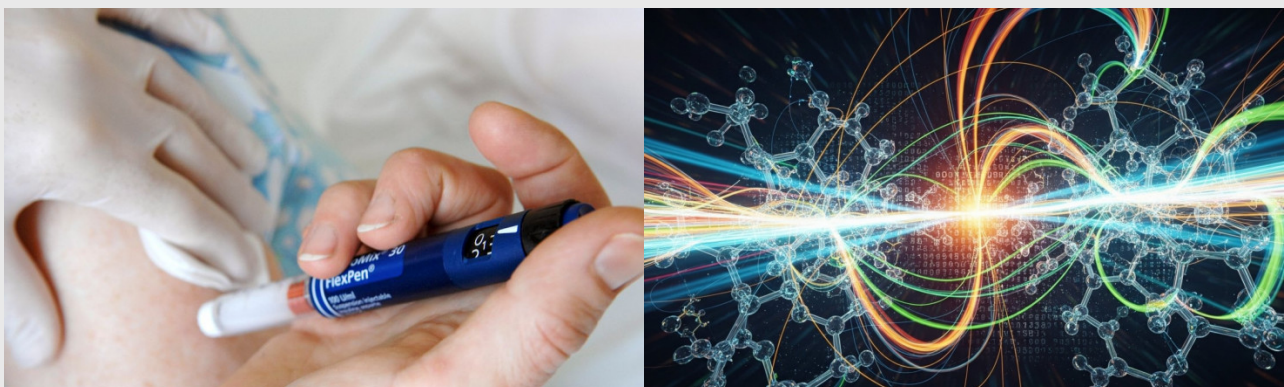
MIT engineers develop a magnetic transistor for more energy-efficient electronics

MIT researchers developed a more powerful magnetic transistor that could be used to design simpler circuits and create faster and more energy-efficient electronics.

[news.mit.edu](#)



LIFE SCIENCES


Crispr Offers New Hope for Treating Diabetes

Gene-edited pancreatic cells have been transplanted into a patient with type 1 diabetes for the first time. They produced insulin for months without the patient needing to take immunosuppressants.

[wired.com](#)

A new generative AI approach to predicting chemical reactions

The new FlowER generative AI system may improve the prediction of chemical reactions. The approach, developed at MIT, could provide realistic predictions for a wide variety of reactions, while maintaining real-world physical constraints.

[news.mit.edu](#)



IN THE LAB


Why basic science deserves our boldest investment

The humble inventions that power our modern world wouldn't have been possible without decades of support for early-stage research.

[technologyreview.com](#)

"Mirror life" and the recurring nightmare of scientific apocalypse

The fear of unleashing forces beyond control has haunted science for centuries.

[bigthink.com](#)



AFTER HOURS


What Is the Fourier Transform?

Amid the chaos of revolutionary France, one man's mathematical obsession gave way to a calculation that now underpins much of mathematics and physics. The calculation, called the Fourier transform, decomposes any function into its parts.

[quantamagazine.org](#)


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