Philip K Dick: the writer who witnessed the future

Forty years since the death of the sci-fi author – whose stories have inspired films like Blade Runner and Minority Report – Adam Scovell explores how prophetic his work has been.

bbc.com

LIFE SCIENCES

The Quest to Make a Digital Replica of Your Brain

Digital twins, virtual copies of everything from bridges to aeroplanes, are coming for healthcare. A European project, called Neurotwin, now wants to digitally clone brains.

wired.co.uk

"Rosetta Stone" of immune cell function revealed by CRISPR scientists

By adapting a variation of the CRISPR-Cas9 system, researchers are able to activate genes in human immune cells and study the consequences.

longevity.technology

Nerve-stimulation device helps paralyzed patients walk, cycle and swim

Three patients whose lower bodies were left completely paralyzed after spinal cord injuries were able to walk, cycle and swim using a nerve-stimulation device controlled by a touchscreen tablet.
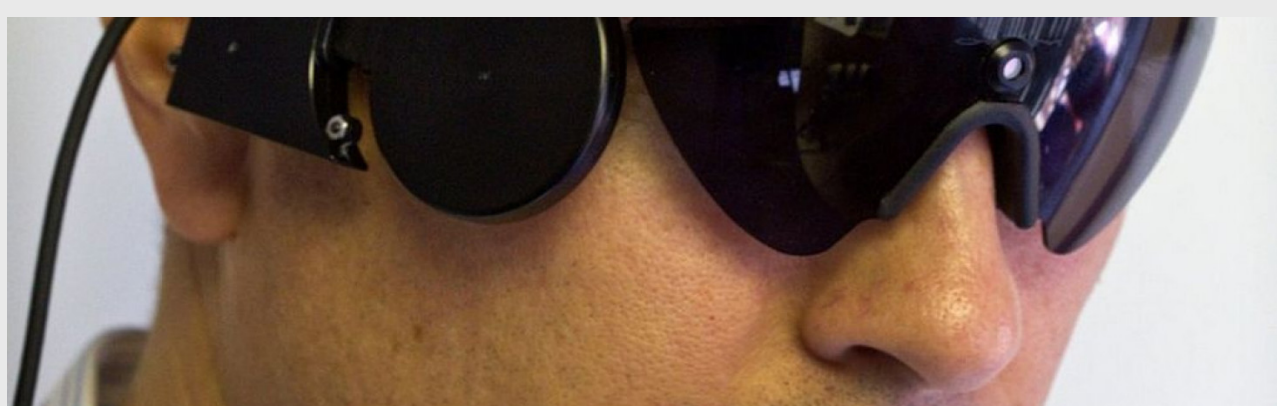
reuters.com

UC Berkeley loses CRISPR patent case

The Broad Institute controls the tech in human cells.

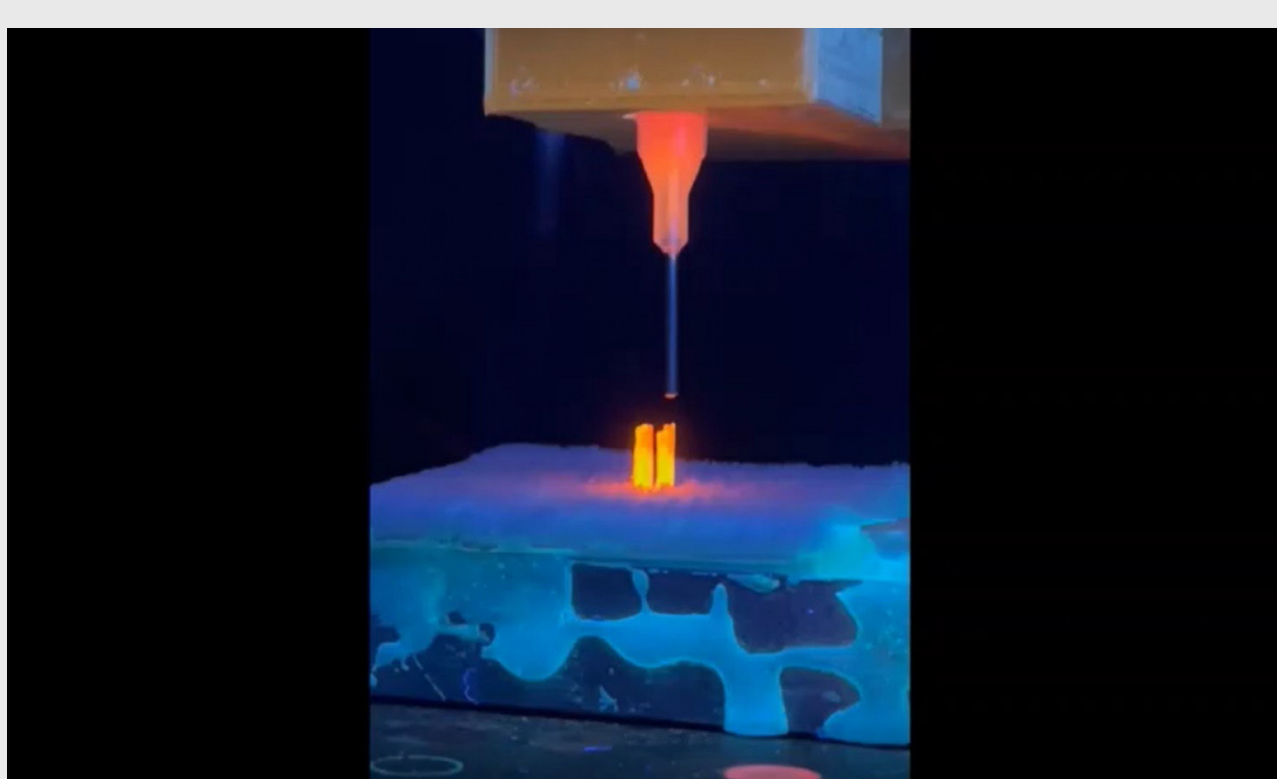theverge.com

ARTIFICIAL SENSING

Bionic eye tech aims to help blind people see

Several firms are working on artificial eye tech that incorporates wireless, embedded sensors.

bbc.com

3D PRINTING

Cryobioprinting could make off-the-shelf tissue-engineered structures a reality

Cryogenic 3D bioprinting of artificial muscle fibres reaches sub-zero temperatures
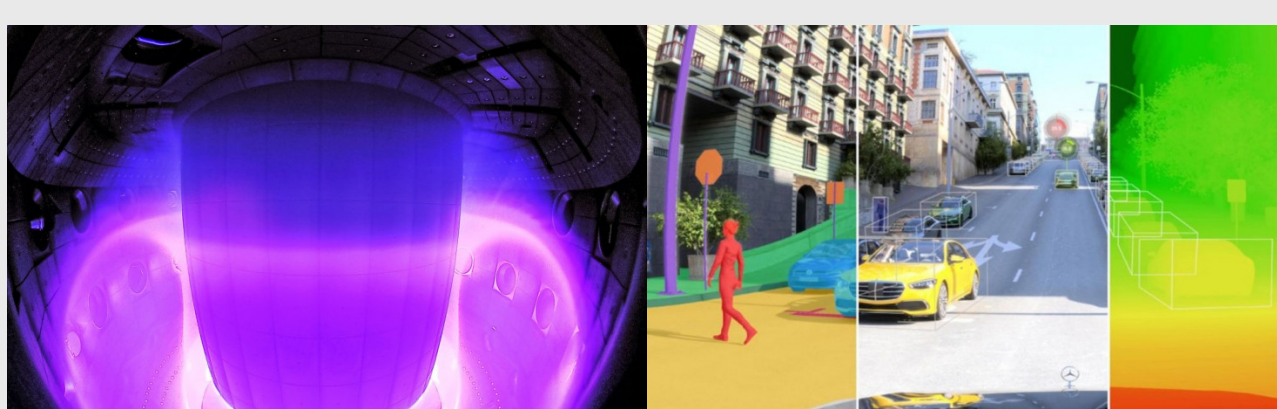
physicsworld.com

CYBERSECURITY

Cybercriminals who breached Nvidia issue one of the most unusual demands ever

Chipmaker has until Friday to comply or see its crown-jewel source code released.

arstechnica.com

ARTIFICIAL INTELLIGENCE

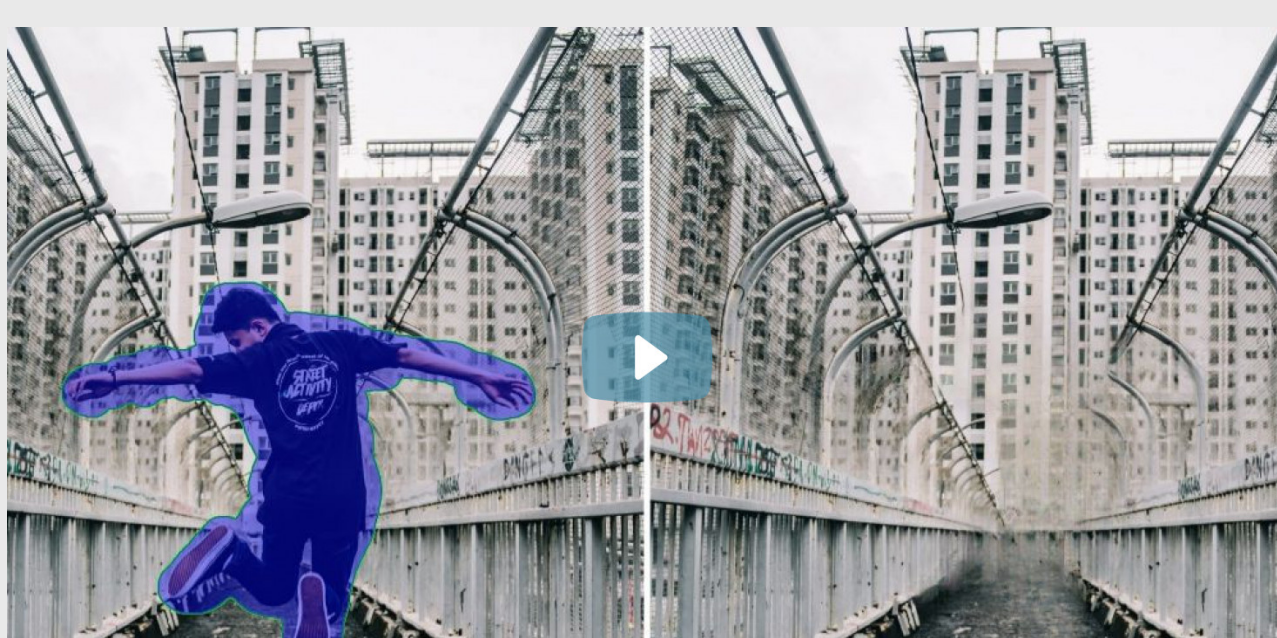**DeepMind Has Trained an AI to Control Nuclear Fusion**

The Google-backed AI firm taught a reinforcement learning algorithm to control the fiery plasma inside a tokamak nuclear fusion reactor.

wired.com

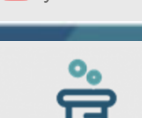**Are You Still Using Real Data to Train Your AI?**

It may be counterintuitive. But some argue that the key to training AI systems that must work in messy real-world environments, such as self-driving cars and warehouse robots, is not, in fact, real-world data.
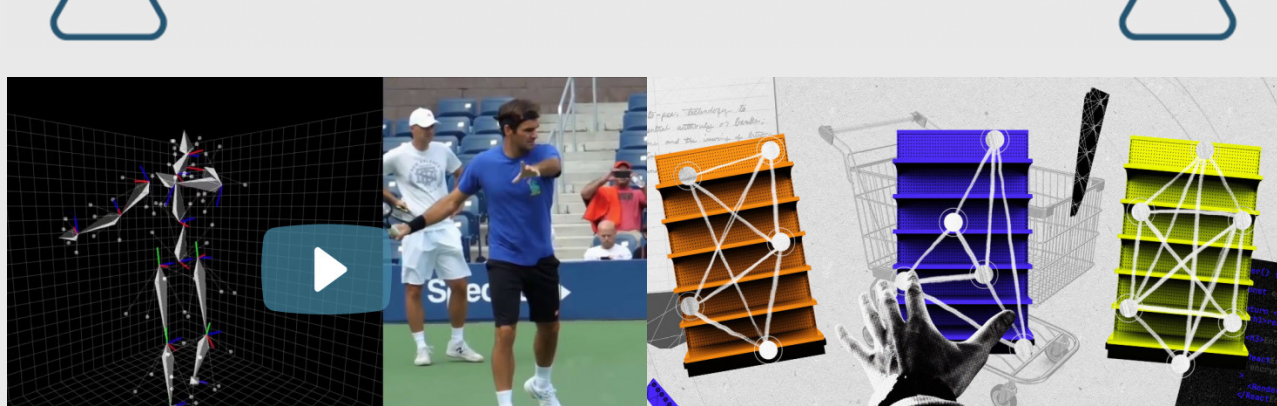
spectrum.ieee.org

Remove objects from images with AI | LaMa Explained

youtube.com

IN THE LAB

Orientation Keypoints for 6D Human Pose Estimation

We define virtual 'orientation keypoints' for estimating the 6-DoF pose of bones, allowing us to solve for the full kinematic pose of the skeleton. Available...
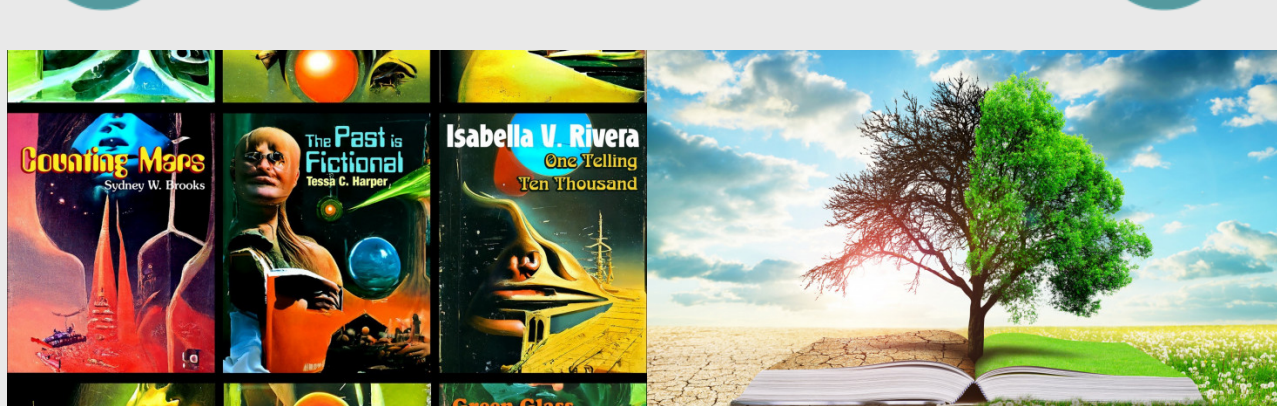
youtube.com

A Guide to DeSci, the Latest Web3 Movement

What to know about the new DeSci movement

future.a16z.com

AFTER HOURS

Artist uses AI to perfectly fake 70s science fiction pulp covers - artwork and titles

It's algorithmic, generative 70s sci-fi pulp, courtesy OpenAI. Artist Lewis tells us about how it was done. Meanwhile, see how many friends will pretend to have heard of Neytiri.
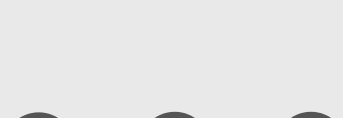
cdn.link

Climate fiction has come of age – and these fabulous books show why

As the climate crisis grows, "cli-fi" books are driving action by showing dark, all-too-possible futures, says climate researcher Bill McGuire. Here are some of his favourites.

newscientist.com

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