

Date: 19 May 2026

Artificial intelligence brings us closer to realizing the promise of nuclear fusion
<https://www.aip.org/scilights/artificial-intelligence-brings-us-closer-to-realizing-the-promise-of-nuclear-fusion>

TAE Technologies, UKAEA Advance Development of Core Fusion Technology
<https://tae.com/tae-technologies-ukaea-advance-development-of-core-fusion-technology/>

Emory scientists receive Cozzarelli Prize for discovery of new physics in dusty plasma
https://news.emory.edu/stories/2026/05/er_cozzarelli_prize/story.html

5 things you should know about nuclear energy
https://energy.ec.europa.eu/news/5-things-you-should-know-about-nuclear-energy-2026-05-19_en

New Industry Report: Embed Sustainability at the Core of the UK Nuclear Sector
<https://www.niauk.org/new-industry-report-calls-for-sustainability-to-be-embedded-at-the-core-of-the-uk-nuclear-sector/>

This optical stimulation platform doesn't miss a beat
<https://www.aip.org/scilights/this-optical-stimulation-platform-doesnt-miss-a-beat>

Plasma treatment keeps cut flowers fresher for two weeks without chemicals
<https://phys.org/news/2026-05-plasma-treatment-fresher-weeks-chemicals.html>

Eight promising projects receive Schmidt Transformative Technology Fund awards
<https://www.princeton.edu/news/2026/05/12/eight-promising-projects-receive-schmidt-transformative-technology-fund-awards>

TerraPower starts work on flagship Ac-225 facility
<https://world-nuclear-news.org/articles/terrapower-starts-work-on-flagship-ac-225-facility>

World Nuclear Fuel Cycle: How best to meet growing demand?
<https://world-nuclear-news.org/articles/world-nuclear-fuel-cycle-how-best-meet-growing-demand>

US considers financing billions of dollars for nuclear plant parts, industry group says
<https://www.reuters.com/business/energy/us-considering-financing-billions-dollars-long-lead-time-parts-nuclear-plants-2026-05-12/>

L3Harris finalises design of deep space power source
<https://www.world-nuclear-news.org/articles/l3harris-finalises-design-of-deep-space-power-source>

FYI – FUSION NEWS/ALERTS

US federal funds awarded to spur SMR deployment

<https://world-nuclear-news.org/articles/us-federal-funds-awarded-to-spur-smr-deployment>

Indonesia and Russia discuss nuclear energy cooperation

<https://world-nuclear-news.org/articles/indonesia-and-russia-discuss-nuclear-energy-cooperation>

Oklo to integrate AI reactor workflows

<https://www.neimagazine.com/news/oklo-to-integrate-ai-reactor-workflows/>

Indian reactor set to restart as private sector plans progress

<https://www.world-nuclear-news.org/articles/indian-reactor-set-to-restart-as-private-sector-plans-progress>

Recent Peer-Reviewed Articles of Interest

BABY 1L: First tritium breeding campaign results

<https://iopscience.iop.org/article/10.1088/1741-4326/ae6f31>

Ultrafast many-body dynamics of dense Rydberg gases and ultracold plasma

<https://www.nature.com/articles/s42005-026-02674-9>

Corrosion resistance behavior of additively manufactured 316L stainless steel in nuclear environments

<https://www.nature.com/articles/s41598-026-53108-z>

[Of Interest]

Plagiarism of ideas in the age of generative artificial intelligence

<https://www.nature.com/articles/s42256-026-01247-3>

Your Next AI Query May Travel Where the Power Is

<https://spectrum.ieee.org/amp/distributed-inference-data-centers-2676675952>

Can AI Chatbots Reason Like Doctors?

<https://spectrum.ieee.org/ai-clinical-decision-support>