

Date: 05 May 2026

## **The fusion issue**

<https://www.lanl.gov/media/publications/national-security-science/the-fusion-issue>

## **Stability Clamps - Shouldering the load**

<https://www.iter.org/node/20687/shouldering-load>

[Latest ITER Newline: <https://www.iter.org/whatsnew/499>]

## **Transatlantic fusion energy research just got easier**

<https://www.pppl.gov/news/2026/transatlantic-fusion-energy-research-just-got-easier>

## **USA completes final deliveries for ITER's central solenoid**

<https://www.world-nuclear-news.org/articles/usa-completes-final-deliveries-for-iters-central-solenoid>

## **Could fusion energy soon join the U.S. power grid?**

<https://www.scientificamerican.com/article/fusion-energy-company-commonwealth-applies-to-join-a-u-s-power-grid-a-first/>

## **Commonwealth becomes first fusion energy firm trying to connect to major US grid**

<https://www.reuters.com/business/energy/commonwealth-becomes-first-fusion-energy-firm-trying-connect-major-us-grid-2026-04-28/>

## **This company says nuclear fusion could finally power the grid — and soon**

<https://edition.cnn.com/2026/04/30/climate/nuclear-fusion-real-world-electricity-grid>

## **Grid connection requested for US fusion power plant**

<https://www.world-nuclear-news.org/articles/grid-connection-requested-for-us-fusion-power-plant>

## **Tokamak regime sustains stable fusion plasma for one minute while easing heat loads**

<https://phys.org/news/2026-04-tokamak-regime-sustains-stable-fusion.html>

## **Francesco Sette appointed Chair of F4E Governing Board**

<https://fusionforenergy.europa.eu/news/francesco-sette-appointed-chair-of-f4e-governing-board/>

## **Fusion industry leaders call for EU long-term plan**

<https://www.world-nuclear-news.org/articles/fusion-industry-leaders-call-for-eu-long-term-plan>

## **Great Lakes Fusion Energy Summit to celebrate Midwest's fusion energy leadership, economic potential**

<https://wedc.org/great-lakes-fusion-energy-summit-to-celebrate-midwests-fusion-energy-leadership-economic-potential/>

## **IFMIF-DONES Hosts EPRI Delegation to Strengthen Dialogue on Fusion Energy Development**

<https://ifmif-dones.es/dones-updates/ifmif-dones-hosts-epri-delegation-to-strengthen-dialogue-on-fusion-energy-development/>

**This Bill Gates-Backed Fusion CEO Wants to Sell Nuclear Energy Like a Utility**  
<https://observer.com/2026/05/bill-gates-backed-type-one-energy-ceo/>

**White House pushes lunar reactors**  
<https://www.neimagazine.com/news/white-house-pushes-lunar-reactors/>

**Stellaria, CEA to consider experimental MSR at Cadarache**  
<https://world-nuclear-news.org/articles/stellaria-cea-to-consider-experimental-msr-at-cadarache>

**US research reactor first to produce electricity**  
<https://world-nuclear-news.org/articles/us-research-reactor-first-to-produce-electricity>

**This laser turns metal into a star-like plasma in trillionths of a second**  
<https://www.sciencedaily.com/releases/2026/05/260501052854.htm>

**NASA's Marshall Space Flight Center hosts nuclear propulsion cold-flow tests**  
<https://www.ans.org/news/2026-04-24/article-7863/nasas-marshall-space-flight-center-hosts-nuclear-propulsion-coldflow-tests/>

**Accelerating polarized Helium-3 ions**  
<https://www.eurekalert.org/news-releases/1126520>

**Goyal receives industrial achievement award for superconducting technology**  
<https://www.buffalo.edu/ubnow/stories/2026/05/goyal-superconductivity-award.html>

**India Participates in the 10th Review Meeting of the Convention on Nuclear Safety**  
<https://www.pib.gov.in/PressReleasePage.aspx?PRID=2256577&req=3&lang=2>

**Active commissioning for Kudankulam 3**  
<https://www.neimagazine.com/news/active-commissioning-for-kudankulam-3/>

**Second Indian fuel cycle complex gets operating licence**  
<https://www.world-nuclear-news.org/articles/second-indian-fuel-cycle-complex-gets-operating-licence>

### **Recent Peer-Reviewed Articles of Interest**

**Weldability of additive manufactured pipe features for fusion component replacement**  
<https://www.sciencedirect.com/science/article/pii/S1738573325006163>

**Divertor detachment and heat exhaust mitigation control in KSTAR with tungsten divertor**  
<https://iopscience.iop.org/article/10.1088/1361-6587/ae67a2>

**Transversely pumped laser driven particle accelerator**  
<https://www.nature.com/articles/s41467-026-72697-x>

### [Of Interest]

#### **Newton's law of gravity passes its biggest test ever**

<https://www.science.org/content/article/newton-s-law-gravity-passes-its-biggest-test-ever>

#### **Lessons from Stuart Freedman: Six scientists share their stories**

<https://physicstoday.aip.org/opinion/lessons-from-stuart-freedman-six-scientists-share-their-stories>

#### **An amateur just solved a 60-year-old math problem—by asking AI**

<https://www.scientificamerican.com/article/amateur-armed-with-chatgpt-vibe-maths-a-60-year-old-problem/>

#### **A Scientist Says AI Could Develop True Consciousness Within 15 Years**

<https://www.popularmechanics.com/science/a71140400/ai-consciousness/>

#### **Energy system science must look beyond net zero**

<https://www.nature.com/articles/s44359-026-00170-5>

#### **Oppenheimer unfiltered: rare recordings released to the public**

<https://physicsworld.com/a/oppenheimer-unfiltered-rare-recordings-released-to-the-public/>

#### **The misinformation accelerator**

<https://www.science.org/content/article/misinformation-researchers-ai-scourge-and-powerful-new-tool>

#### **What's faster than light? Darkness**

<https://www.scientificamerican.com/article/whats-faster-than-light-darkness/>