

Date: 29 May 2026

### **Sector module lift - Small steps, big results**

<https://www.iter.org/node/20687/small-steps-big-results>

[Latest ITER Newline: <https://www.iter.org/whatsnew/501>]

### **New EU Task Force on Fusion Energy**

[https://energy.ec.europa.eu/news/new-eu-task-force-fusion-energy-2026-05-27\\_en](https://energy.ec.europa.eu/news/new-eu-task-force-fusion-energy-2026-05-27_en)

### **Regulatory Framework for Fusion Machines**

<https://www.fdd.org/analysis/2026/05/26/regulatory-framework-for-fusion-machines/>

### **CFS deepens Singapore fusion ties**

<https://www.neimagazine.com/news/cfs-deepens-singapore-fusion-ties/>

### **JT-60SA upgraded and ready for restart**

<https://www.ans.org/news/2026-05-15/article-8036/jt60sa-upgraded-and-ready-for-restart/>

### **Kyoto Fusioneering Announces Opening of Tokyo Satellite Office**

<https://kyotofusioneering.com/en/news/2026/05/27/3960>

### **Focused Energy to establish laser fusion ‘blueprint’ at German power plant**

<https://optics.org/news/focused-energy-to-establish-laser-fusion-blueprint-at-german-power-plant>

### **Fusion simulations run 50 times faster with new method**

<https://eandt.theiet.org/2026/05/27/fusion-simulations-run-50-times-faster-new-method>

### **The Road to a Future Powered by Fusion May Be Twisty: How DOE Powered Stellarators**

<https://www.energy.gov/science/articles/road-future-powered-fusion-may-be-twisty-how-doe-powered-stellarators>

### **Thea Energy Raises \$100 Million to Scale Fusion Power Plant Technology**

<https://www.esgtoday.com/thea-energy-raises-100-million-to-build-fusion-power-plants/>

### **TAE, UKAEA joint venture formally established**

<https://www.world-nuclear-news.org/articles/tae-ukaea-joint-venture-formally-established>

### **Fusion energy poised for simpler U.S. review**

<https://www.axios.com/2026/05/22/fusion-energy-simpler-federal-review>

### **FIA Submits Response to NRC’s Proposed Rulemaking and Draft Guidance for US Fusion Regulations**

<https://www.fusionindustryassociation.org/fia-submits-response-to-nrcs-proposed-rulemaking-and-draft-guidance-for-us-fusion-regulations/>

**Better helium reporting to improve fission and fusion materials modeling**

<https://phys.org/news/2026-05-helium-fission-fusion-materials.html>

**Ansaldo Nucleare delivers system for ITER fusion project**

<https://www.enlit.world/library/ansaldo-nucleare-delivers-system-for-iter-fusion-project>

**Helion Energy wants to build fusion power on a start-up timeline**

<https://www.scientificamerican.com/article/helion-energy-is-building-a-fusion-power-plant-can-its-technology-deliver/>

**Nuclear fusion plants don't need huge fuel costs: Commonwealth Fusion Systems CEO**

<https://www.cnbc.com/video/2026/05/20/nuclear-fusion-without-massive-land-use-huge-fuel-costs.html>

**Fusion: Inertial, gamma rays from the first Italian-German experiment at NIF**

<https://www.media.enea.it/en/press-releases-and-news/years-archive/year-2026/fusion-inertial-gamma-rays-from-the-first-italian-german-experiment-at-nif.html>

**Nuclear Is Surging. The Real Question Is Timing**

<https://www.forbes.com/sites/elenabou/2026/05/28/nuclear-is-surging-the-real-question-is-timing/>

**Harmonics Push Lasers Toward Record Intensities**

<https://physics.aps.org/articles/v19/73>

**NEA head gives talk about growing global interest in nuclear energy**

<https://www.ans.org/news/2026-05-18/article-8041/nea-head-gives-talk-about-growing-global-interest-in-nuclear-energy/>

**A look back at over a decade of inertial confinement fusion experiments**

<https://www.aip.org/scilights/a-look-back-at-over-a-decade-of-inertial-confinement-fusion-experiments>

**Better helium reporting to improve fission and fusion materials modeling**

<https://news.engin.umich.edu/2026/05/better-helium-reporting-to-improve-fission-and-fusion-materials-modeling/>

**Meet the Machines That Matter: The Optics Inspector**

<https://lasers.llnl.gov/news/meet-machines-matter-optics-inspector>

**Canada funds fusion-based copper-67 production project**

<https://www.ans.org/news/2026-05-20/article-8058/canada-funds-fusionbased-copper67-production-project/>

**NRC rolls out reforms to accelerate small reactor licensing**

<https://www.reuters.com/business/energy/nrc-rolls-out-reforms-accelerate-small-reactor-licensing--reeii-2026-05-26/>

**NRC proposes changes to its rules on nuclear materials**

<https://www.ans.org/news/article-8055/nrc-proposes-changes-to-its-rules-on-nuclear-materials/>

**ORNL completes challenging molten salt property measurements**

<https://www.ans.org/news/article-8053/ornl-completes-challenging-molten-salt-property-measurements/>

**Nuclear power rises 4.8%, now fuels nearly a quarter of EU electricity**

<https://www.brusselstimes.com/2140283/nuclear-power-rises-4-8-now-fuels-nearly-a-quarter-of-eu-electricity>

**The Nuclear Company launches nuclear-specific security platform**

<https://world-nuclear-news.org/articles/the-nuclear-company-launches-nuclear-specific-security-platform>

**Flying focus wakefields open a new acceleration regime**

<https://physicsworld.com/a/flying-focus-wakefields-open-a-new-acceleration-regime/>

**Putting a nuclear reactor on the moon: big promise, bigger challenges**

<https://www.scientificamerican.com/podcast/episode/nasas-plan-for-a-nuclear-reactor-on-the-moon-could-change-space-exploration-forever-if-it-works/>

**New IAEA Research Project to Support Development of Advanced Nuclear Fuels**

<https://www.iaea.org/newscenter/news/new-iaea-research-project-to-support-development-of-advanced-nuclear-fuels>

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

**A review on plasma-assisted catalytic carbon dots materials**

<https://iopscience.iop.org/article/10.1088/2058-6272/ae7323>

**Review of SiC Material Development for Nuclear Fusion Applications: Cross-Cutting Research and Emerging Opportunities**

<https://www.sciencedirect.com/science/article/pii/S0022311526003119>

**Temporal super-resolution of kinetic plasma profiles at COMPASS using neural networks**

<https://iopscience.iop.org/article/10.1088/1361-6587/ae72c6>

**Electron spin drift in long-distance plasma wakefield acceleration**

<https://iopscience.iop.org/article/10.1088/1367-2630/ae72bb>

**Deep learning-based pulsed plasma discharge modeling**

<https://iopscience.iop.org/article/10.1088/1361-6463/ae6fc9>

### [Of Interest]

**U.S. researchers face new restrictions on publishing with foreign collaborators**

<https://www.science.org/content/article/u-s-researchers-face-new-restrictions-publishing-foreign-collaborators>

**Why academia and business are stronger together in a rapidly changing world**

<https://www.weforum.org/stories/2026/05/why-university-business-partnerships-are-critical-to-delivering-the-sustainability-transition/>

**Scientists Are Building Artificial Brains from Living Cells**

<https://www.popularmechanics.com/science/a71336896/ai-network-live-neurons/>

**Emerging Brazilian nuclear business opportunities**

<https://www.niauk.org/business-opportunities-emerging-within-the-brazilian-nuclear-sector/>