

Date: 08 Jul 2026

38th ITER Council - ITER Council notes continued progress across construction, commissioning, and licensing

<https://www.iter.org/node/20687/iter-council-notes-continued-progress-across-construction-commissioning-and-licensing>

[Latest ITER Newslines: <https://www.iter.org/whatsnew/507>]

F4E Highlights 2025 report released

<https://fusionforenergy.europa.eu/news/the-f4e-highlights-2025-report-is-out/>

Report: https://fusionforenergy.europa.eu/wp-content/uploads/2026/07/F4E_Highlights_2025.pdf

Europe's first remote handling tool is in ITER

<https://fusionforenergy.europa.eu/news/first-iter-remote-handling-tool-port-plug/>

Google backs nuclear fusion startup targeting Europe's first commercial power plant

<https://www.cnn.com/2026/07/07/google-proxima-fusion-funding.html>

Proxima Fusion raises 411 million euros

<https://www.mpg.de/26861952/proxima-fusion-raises-411-million-euros>

Realta Fusion makes electricity, but not through heat conversion

<https://www.ans.org/news/article-8179/realta-fusion-makes-electricity-but-not-through-heat-conversion/>

Commonwealth Fusion Systems joins UKAEA's LIBRTI program

<https://www.ans.org/news/article-8181/commonwealth-fusion-systems-joins-ukaeas-librti-program/>

UKAEA, Eni create joint venture for fusion fuel cycle

<https://www.world-nuclear-news.org/articles/ukaea-eni-create-joint-venture-for-fusion-fuel-cycle>

General Fusion targets Italy

<https://www.neimagazine.com/news/general-fusion-targets-italy/>

China's CRAFT fusion tests wrap

<https://www.neimagazine.com/news/chinas-craft-fusion-tests-wrap/>

Commonwealth Fusion Systems joins UKAEA's tritium blanket testing programme

<https://www.world-nuclear-news.org/articles/cfs-joins-ukaeas-tritium-blanket-testing-programme>

Relativistic plasma could boost intensity of petawatt laser

<https://physicstoday.aip.org/news/relativistic-plasma-could-boost-intensity-of-petawatt-laser>

HIP to the future

<https://www.neimagazine.com/analysis/special-report/hip-to-the-future/>

UAH researcher finds cosmic dust could play key role in cracking long-standing mystery of solar corona heating, opening new field in heliophysics

<https://www.uah.edu/news/items/uah-researcher-finds-cosmic-dust-could-play-key-role-cracking-long-standing-mystery-solar-corona-heating-opening-new-field-heliophysics>

NASA prepares to solicit moon surface power, teases RTG-powered moon rover

<https://www.ans.org/news/2026-07-01/article-8173/nasa-prepares-to-solicit-moon-surface-power-teases-rtg-powered-moon-rover/>

This engineer literally lit up the world — and now wants to power it

<https://edition.cnn.com/science/shuji-nakamura-lit-up-the-world-and-now-wants-to-power-it-spc>

UD team tapped to push next-gen supercomputer to its limits

<https://www.udel.edu/udaily/2026/july/sunita-chandrasekaran-discovery-supercomputer-testing-fusion-energy/>

Recent Peer-Reviewed Articles of Interest

Measuring temperature and observing graphitization of heavy-ion-heated diamond

<https://www.nature.com/articles/s41598-026-59428-4>

Conceptual design of the Halo Machine

<https://iopscience.iop.org/article/10.1088/1741-4326/ae8606>

Thermal analysis of ICRH antenna in HL-3 tokamak

<https://iopscience.iop.org/article/10.1088/1361-6587/ae8573>

A thermocapillary-driven method for liquid spreading inside cryogenic spherical cavities

<https://www.sciencedirect.com/science/article/pii/S0360544226018517>

[Of Interest]

“I Am an Unabashed Optimist About the Long-Term Future of Science.”

<https://issues.org/nas-president-interview-shubin/>

Philosophers call for their journals to require conflict of interest disclosures

<https://www.science.org/content/article/philosophers-call-their-journals-require-conflict-interest-disclosures>

The pioneering life of Edward Alexander Bouchet

<https://physicstoday.aip.org/features/the-pioneering-life-of-edward-alexander-bouchet>