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Welding - Building fusion knowledge, one weld at a time

<https://www.iter.org/node/20687/building-fusion-knowledge-one-weld-time>

[Latest ITER Newline: <https://www.iter.org/whatsnew/505>]

IFMIF-DONES and CSN strengthen the regulatory and licensing framework guiding the future of the fusion energy

<https://ifmif-dones.es/dones-updates/ifmif-dones-and-csn-strengthen-the-regulatory-and-licensing-framework-guiding-the-future-of-fusion-energy/>

FIA Launches 2026 Fusion Industry Supply Chain Report

<https://www.fusionindustryassociation.org/fia-launches-2026-fusion-industry-supply-chain-report/>

Fusion supply chain spend up, but challenges remain

<https://www.world-nuclear-news.org/articles/fusion-supply-chain-spend-up-big-challenges-remain>

Helion secures fusion plant licences

<https://www.neimagazine.com/news/helion-secures-fusion-plant-licences/>

Every fusion startup that has raised over \$100M

<https://techcrunch.com/2026/06/19/every-fusion-startup-that-has-raised-over-100m/>

Renaissance Fusion - The Fusion Revolution: Interview with CEO, Sam Guillaume

<https://businessfocusmagazine.com/2026/06/19/renaissance-fusion-the-fusion-revolution-interview-with-ceo-sam-guillaume/>

Modeling nuclear fusion at lightning speed

<https://phys.org/news/2026-06-nuclear-fusion-lightning.html>

Thea Energy partners with Nvidia and Synopsys to build digital twin of Helios stellarator fusion plant

<https://energiesmedia.com/thea-energy-nvidia-synopsys-digital-twin/>

Nuclear fusion pioneer raises £23m to battle cancer

<https://businesscloud.co.uk/news/nuclear-fusion-pioneer-raises-23m-to-battle-cancer/>

Building the Fusion Future

<https://news.columbia.edu/news/building-fusion-future>

Is AI the energy technology the world has been waiting for?

<https://www.weforum.org/stories/2026/06/is-ai-the-next-great-energy-technology/>

Experts gather at UW–Madison to accelerate research on nuclear war effects

<https://engineering.wisc.edu/blog/experts-gather-at-uw-madison-to-accelerate-research-on-nuclear-war-effects/>

Digital twin uses cases showcased by accelerator initiative

<https://www.computing.co.uk/news/2026/digital-twin-uses-cases-showcased-by-accelerator-initiative>

WVU physicists unlock plasma's mysteries with lasers

<https://wvutoday.wvu.edu/stories/2026/06/23/wvu-physicists-unlock-plasma-s-mysteries-with-lasers>

Government of Canada launches Nuclear Energy Strategy

<https://www.canada.ca/en/natural-resources-canada/news/2026/06/government-of-canada-launches-nuclear-energy-strategy.html>

Experiment upends beliefs on how electrons actually behave in warm dense matter

<https://phys.org/news/2026-06-upends-beliefs-electrons-dense.html>

Andrei Khodak receives American Nuclear Society's Outstanding Achievement Award

<https://www.eurekalert.org/news-releases/1133030>

Minerals, Metals and Materials Society Honors Trelewicz

<https://news.stonybrook.edu/university/minerals-metals-and-materials-society-honors-trelewicz/>

Canada aims to grow nuclear and uranium capacity, at home and abroad

<https://world-nuclear-news.org/articles/canada-unveils-nuclear-plans-in-government-strategy>

Recent Peer-Reviewed Articles of Interest

Towards Digital Twins of Fusion Systems

<https://iopscience.iop.org/article/10.1088/1741-4326/ae8037>

Recent progress in atomic-scale controlled plasma processing

<https://iopscience.iop.org/article/10.35848/1347-4065/ae65a4/meta>

Innovative method for the vacuum vessel welds NDT of compact fusion reactor

<https://www.sciencedirect.com/science/article/pii/S0920379626001559>

TORQSNNet: A physics-informed spectral neural network for predicting toroidal torque density in tokamak devices

<https://iopscience.iop.org/article/10.1088/1361-6587/ae8057>

[Preprint] PiMiX 2.0: AI-enhanced Data Fusion for Radiographic Imaging and Tomography

<https://arxiv.org/html/2606.19670v1>

[Of Interest]

International Women in Engineering Day: Why Nuclear Cannot Afford to Wait
<https://www.niauk.org/international-women-in-engineering-day-why-nuclear-cannot-afford-to-wait/>

The first ticking ‘nuclear clocks’ are here — what can they do?
<https://www.nature.com/articles/d41586-026-01909-7>

The genealogy of the stars
<https://www.nature.com/articles/s41550-026-02920-8>