

FUSIONMATTERS

CANADA



Source: <https://www.tweaktown.com/news/89155/nasas-solar-observatory-catches-the-sun-smiling-back-at-earth/index.html>

President's Message

One of my pleasures in 2023 has been to work with you, the members, and volunteers, on matters related to fusion energy developments and I look forward to a busy 2024.

The NASA image above places not only our planet Earth in the context of the Sun and Universe, but it also relates to our joint activities in 2023: through the Fusion Energy Council of Canada, harnessing fusion as an energy source for the common good. As you know, energy, which is critical for life and all human activities on Earth, is primarily produced by fusion energy processes in the Sun. Solar, wind, bio, food, hydro, tidal, oil, gas, and coal energy are all ultimately derived from the fusion processes that occur in our Sun. To create fusion energy on earth is one of the great challenges of our time and, if we can meet this challenge, we will create a future that is free from the risks of current ways of generating energy and that will bring benefits to all citizens of the world.

As we noted in Issue #3, 2023 was a good year for fusion energy in Canada and around the world. In this issue we look forward at 2024 and beyond.

Axel Meisen

President, Fusion Energy Council of Canada

At COP28 in December 2023 U.S. Special Envoy John Kerry invited the world, including Canada, to collaborate in an International Partnership to accelerate the world's engagement in the commercialization of fusion energy by sharing technology and collaboration through an engagement plan focusing on; Research & Development, Supply Chain, Marketplace, Regulation, Workforce issues – education and public engagement.

<https://www.atlanticcouncil.org/event/global-energy-forum-at-cop28/>

In Canada, Vancouver is becoming a global player in fusion energy as **General Fusion** <https://generalfusion.com/> recently announced that they will be developing their **LM-26** machine in Vancouver. **Type One Energy** <https://typeoneenergy.com/> based in Madison, WI has opened an office in Vancouver.

Work is continuing on the **Tritium 2025** conference to be held in Ottawa in the summer of 2025. FECC is partner in the organizing committee.

At the University of Alberta **Amina Hussien** has established a student and young researchers initiative that will extend to include universities across Canada.

<https://www.youtube.com/watch?v=iJJ-kjuL-54>

Their first project is the creation of a virtual speaker series aimed at attracting and developing the talent sought by fusion energy companies and their supply chain.

Fusion Energy Council of Canada presents

FUSION: why do we need it?

Andrew Holland
CEO Fusion Industry Association

Andrew Leach
University of Alberta Professor

Ameer Barber
Director of Government Relations with GeoComply

Register:

Webinar
April 4, 2024
11:30 AM MDT

<https://forms.gle/xp6hL4ViYYRCUWkT6>

Elsewhere in the World Sam Altman is touting AI tools for fusion in Davos, **Japan** is seeking collaborators on its Research & Education initiatives and **China** has created a “dream team” of researchers and companies that will take it into the future.

The UK continues support its STEP program aimed at positioning them as a global leader in the commercialization of fusion energy. JET: the Joint European Torus in Culham will be decommissioned over the next 17-years promising extensive learning on how materials performed, providing value data for the design and construction of future fusion energy plants.

If you like what you see, please let us know. Forward **FusionMatters** Canada to your colleagues or anyone else who needs to know more about fusion; encourage them to subscribe [here](#) or please share your suggestions for changes.

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