

Fusion energy at Royal Society Summer Science Exhibition

An interactive fusion energy display is set to inspire visitors at this year's Royal Society Summer Science Exhibition 2022 – the annual showcase of the UK's most exciting new developments in scientific research.

The free-of-charge event at the Royal Society's central London HQ, which runs from July 6 to 10, brings together some of the UK's world-leading researchers for five days of cutting-edge science – offering unique experiences, and a weekend programme of activities and workshops for all ages.

A team from the UK Atomic Energy Authority will be at the event to answer three major questions: What is fusion; why is it so challenging; and what is the solution to providing low carbon and sustainable energy in the future?

Chris Warrick, UKAEA's Student Placement and Outreach Manager, said: "We believe fusion – the power source of the Sun and stars – will provide low carbon and abundant electricity for future generations here on Earth. We are really proud the UK is leading the world in its development.

"We are working with the greatest minds in science and technology to make fusion energy a reality, and are really excited to be at this year's Royal Society Summer Exhibition. We hope to inform and inspire all who attend, especially the young scientists of the future, using interactive games and demonstrations to bring our fascinating technology to life. It will be a chance to really experience how we make a star on Earth."

Returning as an in-person event for the first time since 2019, visitors to Summer Science can meet hundreds of scientists from 16 research groups selected from universities and institutions across the UK.

Cosmologist Professor Carlos Frenk, Chair of the Royal Society's Public Engagement Committee, said: "The importance of science to society, and in our daily lives, has never been as much in evidence as in the past two years. The exhibition explores the science at the heart of some of the biggest issues of our time.

"We have carefully curated a selection of 16 brilliant, interactive exhibits on a variety of topics, from identifying and tackling disease, to designing the green energy technologies that will power our cities in the future. The exhibition offers a rare opportunity to meet and engage with the researchers who are playing a leading role in shaping our future."

A film highlighting UKAEA's work is also set to be one of six featured in a live streamed session, directly from the exhibition floor on Saturday, July 9.

Visit royalsociety.org for the full list of research groups confirmed for Summer Science 2022 or follow hashtag #summerscience on social media

channels.

Russia's attack on Ukraine threatens global food security: UK statement to the OSCE

Thank you, Mr Chair and thank you to the Mayor of Okhtyrka for being here today and for your powerful testimony of recent Russian attacks against his city since the start of the war. The sad and horrific stories of indiscriminate attacks on civilian infrastructure and residential areas, including missile strikes, is hard to hear. You should not have to get used to death. We express our deepest condolences for all of your citizens and defenders killed by ruthless Russian fire.

Mr Chair, [last week I highlighted the destruction of Ukrainian cultural property, an attack on Ukraine's very identity](#). Yesterday marked 78 years since the Soviet Union's campaign to forcibly deport the entire Tatar population from their ancestral homeland of Crimea. We remember the thousands who died due to starvation, disease, abuse and hard labour.

Today Ukrainians are again facing repression, deportation and destruction of culture and identity. This is a direct result of Russia's illegal actions. Every day we hear more accounts of the unlawful killing of civilians, of families torn apart, and of once peaceful towns and villages reduced to rubble. Tens of thousands have reportedly lost their lives and millions have been displaced.

Millions more across the globe are at risk, as Russia's crimes exacerbate the global economic outlook with sharply rising food and fuel prices, threatening global food security. I want to focus the core of my statement on this area. Until 24 February, Ukraine was one of the largest exporters of grains, feeding up to 400 million people worldwide. But because of Russia's unlawful actions, including attacks on infrastructure across Ukraine, naval blockades and looting of grain, the country is now almost entirely unable to export its produce. Russia is choking off Ukraine's grain exports.

Widespread and indiscriminate use of Russian munitions, generating unexploded ordnance, is killing and maiming agricultural workers in their fields. There have been multiple reports of grain being stolen from temporarily Russian-controlled areas of Zaporizhzhia, Kherson, Donetsk and Luhansk. We have heard of agricultural equipment and vehicles being destroyed or looted by Russian forces, jeopardizing the growing seasons. The World Food Programme has reported that one in three Ukrainian households are now food insecure. This is unacceptable.

In addition to the disruption of Ukraine's agriculture, Russia's blockage of ports and destruction of infrastructure threatens global food systems. As we speak, around 25 million tonnes of grain is being held hostage by Russia, through its blockade of the Black Sea ports. Even before the war, 55 countries, mostly in Africa and Asia, were already in acute hunger crises, emergency or famine conditions. Russia's aggression against Ukraine is compounding these threats. The loss of grain currently stored in Odesa could impact up to 43 million people already one-step away from famine; a sustained Russian stranglehold on Ukraine's economy and agricultural output will affect hundreds of millions well into the future. With 1.7 billion people in over 100 countries now facing food, energy and commodity price rises, the global impact of Russia's war is growing.

President Putin continues to demonstrate a callous disregard for human life. He could end the blockade of the Black Sea ports; he could release the grain; he could end this bloody conflict and prevent further death and suffering, but he chooses not to.

The UK remains steadfast in our support for Ukraine. [Alongside fellow G7 members, we call on Russia to end its blockade and all other activities that impede Ukrainian food production and export.](#)

The impact of Russia's aggression and shameful actions are being felt by people everywhere, in the OSCE area and beyond. This is particularly the case for the poorest. We will not stand by whilst the world's most vulnerable populations suffer at the hands of Russia. [With international partners, we have secured the largest ever World Bank commitment to low income countries, releasing \\$170bn to support nations faced with economic hardship as a result of Russia's invasion.](#) We will work across international fora, such as the newly created Global Alliance for Food Security, to seek joint solutions to those problems worsened by an ever-isolated Russia.

Finally, I would like to take this opportunity to reiterate the UK's clearly established position: the Russian government is responsible for its actions and Russia's government will bear the consequences of its actions. We are unwavering in our support of Ukraine's sovereignty and territorial integrity within its internationally recognised borders. We condemn Russia's efforts to undermine Ukraine's sovereignty and territorial integrity through recognition of the so-called Donetsk and Luhansk 'People's Republics' as independent, its illegal annexation of Crimea and its illegal and unprovoked invasion of Ukraine. We stand by Ukraine.

[Safety at Events](#)

This summer looks set to be one of the busiest times we have seen in a while, with many high-profile events already booked in the national and local calendar. In addition, the potential of some promising weather, suggests that

across the UK people can look forward to a summer packed with great festivals for music, food, and the arts.

With the air filled with anticipation and excitement, public safety at these events will be paramount.

I and my colleagues at the SIA have spent the last few months watching all of the planning that goes on behind the scenes. We've seen the security industry and the events sector working together to ensure that people can safely enjoy themselves.

The role that private security operatives will play in keeping the public safe at these events will be critical.

Most, although not all, events will require some professional security. Some or all of these security staff may require a licence issued by the SIA.

This week we have published updated guidance to ensure that people providing security services at events are compliant with the law. This means ensuring that security operatives are properly licensed where necessary. If you are providing a security service, this guidance will help you to identify the roles at your event that will by law require an SIA licence.

Our guidance also includes advice on the due diligence checks you should complete when supplying security. It's important to understand who is legally responsible for conducting those checks, and what evidence to keep.

Throughout the summer we will also be issuing further information and guidance to support security operatives as they carry out their duties at these events.

We will cover a range of issues from how to identify people who may be vulnerable – to information from the government's "Enough" campaign to end violence against women and girls. Watch out for information on counter-terrorism and best practice on ensuring public safety in crowded places. You can find this information on our [GOV.UK pages](#) and via our social media posts.

It looks like it going to be amazing summer. Let's do everything we can to make it a safe one!

[UK Government moves to ensure abortion services are commissioned in Northern Ireland](#)

The Secretary of State for Northern Ireland will today (Thursday 19 May) take

further legislative steps to ensure abortion services are commissioned for women and girls in Northern Ireland.

This follows inaction from the Department of Health and Northern Ireland Executive, which have not guaranteed relevant healthcare services are available by the 31 March 2022 deadline set by the Secretary of State in July 2021.

Today, the Secretary of State for Northern Ireland is laying regulations that remove the need for the Department of Health to seek Executive Committee approval in relation to commissioning abortion services in Northern Ireland. This means the Department of Health will have no further barriers to commission and fund services.

The UK Government is steadfast in its belief that, as a devolved matter, the Department of Health should drive forward the commissioning of abortion services without further delay.

Today's regulations will also allow the Government to intervene if there is further inaction delivering safe and high-quality abortion services. The Secretary of State will be seeking a clear and unambiguous commitment from the Minister for Health Robin Swann that he will progress this matter without further delay.

If the Department of Health does not commission and fund abortion services as directed, the regulations give the UK Government the power to do anything that a Northern Ireland Minister or department could do for the purpose of ensuring that abortion services are provided as decided by Parliament in 2019.

To ensure the Secretary of State has all the information required in those circumstances, a small team of experts in the medical field has been established in the Northern Ireland Office to work alongside the Department of Health and report back to him on progress.

The Secretary of State for Northern Ireland, Rt Hon Brandon Lewis MP, said:

“Women and girls of Northern Ireland must have access to safe, high-quality abortion services in Northern Ireland, as is their right.

“It is absolutely unacceptable that the Executive and Department of Health have failed women and girls, meaning that they cannot currently access the same basic abortion healthcare that is available to women and girls in the rest of the UK.

“That's why I am acting to remove any further barriers to delivering services.

“The Department of Health must drive forward the commissioning of abortion services without further delay to ensure that safe abortion becomes embedded into the health and social care system in Northern Ireland.”

Notes to editors:

[AAIB Report: Boeing 737-408 \(G-JMCY\), heavy landing resulting in significant structural damage, Exeter Airport](#)

News story

During an approach at Exeter Airport, a Boeing 737-408 (G-JMCY) became unstable and suffered a heavy landing which resulted in significant structural damage.



During an approach at Exeter Airport, the aircraft became unstable after the point where the crew had declared the approach stable and continued. During the final 500 ft the rate of descent exceeded the required 500 ft stable approach criteria on four occasions. All bar the first of these excursions were accompanied by GPWS "SINK RATE" alert. The subsequent hard landing resulted in extensive damage to the aircraft. There were no injuries.

The operator has taken safety action to reinforce its operating procedures with regards to the criteria for a stable approach.

[Read the report.](#)

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