

NEWSLETTER

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World's first IAEA collaboration center for fusion energy research, training established in China

The world's first International Atomic Energy Agency (IAEA) Collaborating Center for Fusion Energy Research and Training was inaugurated in Chengdu, southwest China, during the Second Ministerial Meeting of the IAEA World Fusion Energy Group. The center aims to boost international cooperation, advance controllable nuclear fusion commercialization, and support China's "artificial sun" initiative for clean, sustainable energy. (People's Daily)

138th Canton Fair opens with 353,000 smart products on display

The 138th China Import and Export Fair opened in Guangzhou on October 15, covering 1.55 million square meters with 74,600 booths and over 32,000 exhibitors, both record highs. Smart products total 353,000. The fair features zones for smart healthcare and service robots, over 600 product launches, and highlights innovation, green technology and high-end manufacturing. (Science and Technology Daily)

China's burgeoning low-altitude economy empowers industries via diverse applications

China's expanding low-altitude economy is reshaping industries such as drone delivery, aerial tourism and emergency rescue. Highlighted at the 2025 China Helicopter Development Forum in Tianjin, the sector's value is projected by the Civil Aviation Administration of China to reach 1.5 trillion yuan (\$211.4 billion) in 2025, with cities like Hangzhou and Wuhan advancing drone and eVTOL (electric vertical take-off and landing) initiatives. (Xinhua)

China achieves numerous breakthroughs in space exploration quest

China has made major strides in space exploration during the 14th Five-Year Plan (2021–2025), completing its space station with nine astronaut crews, conducting 181 experiments, and retrieving 1,935.3 grams of lunar samples via the Chang'e-6 mission. The Tianwen-1 probe achieved Mars exploration success, while Tianwen-2, launched in May 2025, began China's first asteroid sampling mission. (People's Daily)

Revolutionary Chinese chip to pioneer search for dark matter, black holes

A research team from Tsinghua University developed RAFAEL, a spectroscopic imaging chip that breaks the trade-off between resolution and efficiency. Using reconfigurable lithium-niobate photonics, it achieves 10-megapixel resolution and 0.05-nanometer precision. In one exposure, RAFAEL captured spectra of 5,600 stars, greatly boosting efficiency and enabling breakthroughs in dark matter and black hole research. (Xinhua)