

## **ATHARVA ROBOTICS CENTER**

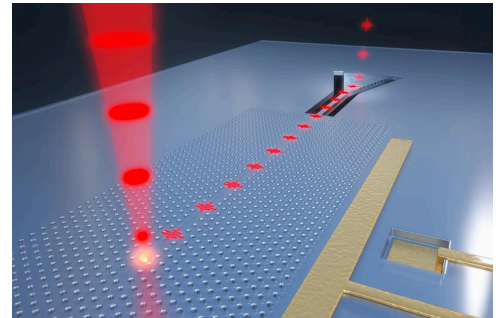
### **Daily News on Innovation & Technology**

24<sup>th</sup> December, 2025

#### **"Purifying" photons: Scientists found a way to clean light itself**

By University of Iowa, December 23, 2025

University of Iowa researchers have modeled how to minimize interference to yield a consistent single photon stream (shown here in this image), an advance that could make quantum computing and communications more reliable and more secure. Credit: Ravitej Uppu lab, University of Iowa.



#### **Nikhil Kamath-backed aerospace startup Sarla Aviation starts ground testing for half scale Made-in-India eVTOL Air Taxi in Bengaluru**

By Anushree Ajay, December 22, 2025

Bengaluru-based Sarla Aviation has started ground testing its half-scale electric vertical take-off and landing (eVTOL) demonstrator, SYLLA SYL-X1.



#### **China formulates plan for applying science and technology innovation**

By CGTN, December 23, 2025

The State Council's report, submitted to the Standing Committee of the National People's Congress for deliberation on Monday, shows that since the start of the 14th Five-Year Plan period (2021-2025), China has witnessed a marked increase in both the volume and quality of applications of scientific and technological innovation, effectively transforming R&D into productive forces.



#### **AI goes orbital as 6G research turns satellites into edge computing nodes**

By Neetika Walter, December 23, 2025

As the world races toward sixth-generation mobile networks, the real battleground may not be on Earth at all, it may be in orbit. With 6G commercialization expected around 2030, researchers are already rethinking how artificial intelligence will operate at a global scale.



### [China opens robot school to prep humanoids for factory tasks and home chores](#)

By Georgina Jedikovska, December 23, 2025

China has opened an unusual new school aimed at preparing humanoid robots for a wide range of tasks, from working on factory floors to helping out at home and in public spaces. The Phase II Beijing Humanoid Robot Data Training Center is located in Beijing's Shijingshan district. The facility recreates real-world production lines and living environments and spans two floors.



### [Single string pull turns flat designs into 3D structures for modular space habitats](#)

By Aamir Kholam, December 23, 2025

Researchers at MIT have developed a new way to design 3D structures that deploy from a flat form with a single pull of a string. The method could help engineers rapidly assemble complex structures in places where speed and portability matter most, including disaster zones.



### [New 'necroprinting' uses mosquito feeding tubes for 3D printing below cell scale](#)

By [Aamir Kholam](#), December 23, 2025

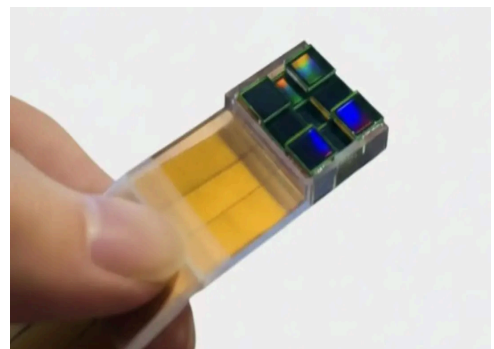
Mosquitoes are best known as pests. Now, researchers have turned one of their most irritating features into a precision manufacturing tool. A research team from McGill University and Drexel University has transformed female mosquito feeding tubes into ultra-high-resolution 3D-printing nozzles.



### [Lensless imaging system uses sensor arrays and software to beat optical limits](#)

By Neetika Walter, December 23, 2025

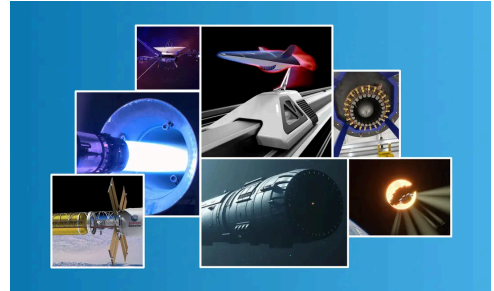
Cameras may soon see without lenses, and the change could be as profound as the leap from film to digital. A new imaging technology developed at the University of Connecticut promises to rewrite the rules of optical imaging, enabling ultra-high resolution views without relying on bulky lenses or painstaking physical alignment.



## [Top 7 must-read space technology stories of 2025 – Interesting Engineering](#)

By Mrigakshi Dixit, December 23, 2025

We've been to the Moon and sent rovers to Mars, but the 21st century demands a much bolder vision. From plasma engines that could make a trip to Mars feel like a short flight, to clever new ways of "cleaning up" space junk without even touching it, the technology is moving faster than ever.



## News Articles

# Nvidia aims to ship H200 chips to China by mid-Feb

REUTERS  
December 22

**NVIDIA HAS TOLD** Chinese clients it aims to start shipping its second-most powerful AI chip to China before the Lunar New Year holiday in mid-February, three people familiar with the matter told Reuters.

The US chipmaker plans to fulfil initial orders from existing stock, with shipments expected to total 5,000 to 10,000 chip modules - equivalent to about 40,000 to 80,000 H200 AI chips, the first and second sources said.

Nvidia has also told Chinese clients that it plans to add new production capacity for the chips, with orders for that capacity opening in the second quarter of 2026, the third source said.

Significant uncertainty remains, as Beijing has yet to approve any H200 purchases and the timeline could shift depending on government decisions, the sources said.

"The whole plan is contingent on government approval," the third source said. "Nothing is certain until we get the official go-ahead."

The sources declined to be identified as the discussions are private. Nvidia and China's Ministry of Industry and Information Technology did not immediately respond to requests for comment.

The planned shipments would mark the first deliveries of H200 chips to China after



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US President Donald Trump said this month that Washington would allow such sales with a 25% fee. Reuters reported last week that the Trump administration had launched an inter-agency review of license applications for H200 chip sales to China, making good on his pledge to allow the sales.

The move represents a major policy shift from the Biden administration, which banned advanced AI chip sales to China citing national security concerns.

The H200, part of Nvidia's previous-generation Hopper line, remains widely used in AI despite being superseded by the firm's newer Blackwell chips.

Nvidia has focused production on Blackwell and its upcoming Rubin line, making

H200 supply scarce.

Trump's decision comes as China pushes to develop its domestic AI chip industry. Local firms have yet to match the H200's performance, raising concerns that allowing imports could slow domestic progress. Chinese officials held emergency meetings earlier this month to discuss the matter and are weighing whether to allow shipments, Reuters reported this month. One proposal would require each H200 purchase to be bundled with a set ratio of domestic chips, according to the report.

For Chinese technology giants such as Alibaba Group and ByteDance the potential shipments would provide access to processors roughly six times more powerful than the H20, a downgraded chip Nvidia designed for China.

Source: The Financial Express Newspaper, 23-12-2025

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Link: <https://epaper.financialexpress.com/4097077/Mumbai/#page/12>



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