
Department of Data Science
Weekly Data Science Bytes

K9 warriors and robotic dogs steal spotlight at Exercise PRAGATI 2026



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Source: <https://www.thehindu.com/news/national/k9-warriors-and-robotic-dogs-steal-spotlight-at-exercise-pragati-2026/article71025479.ece>

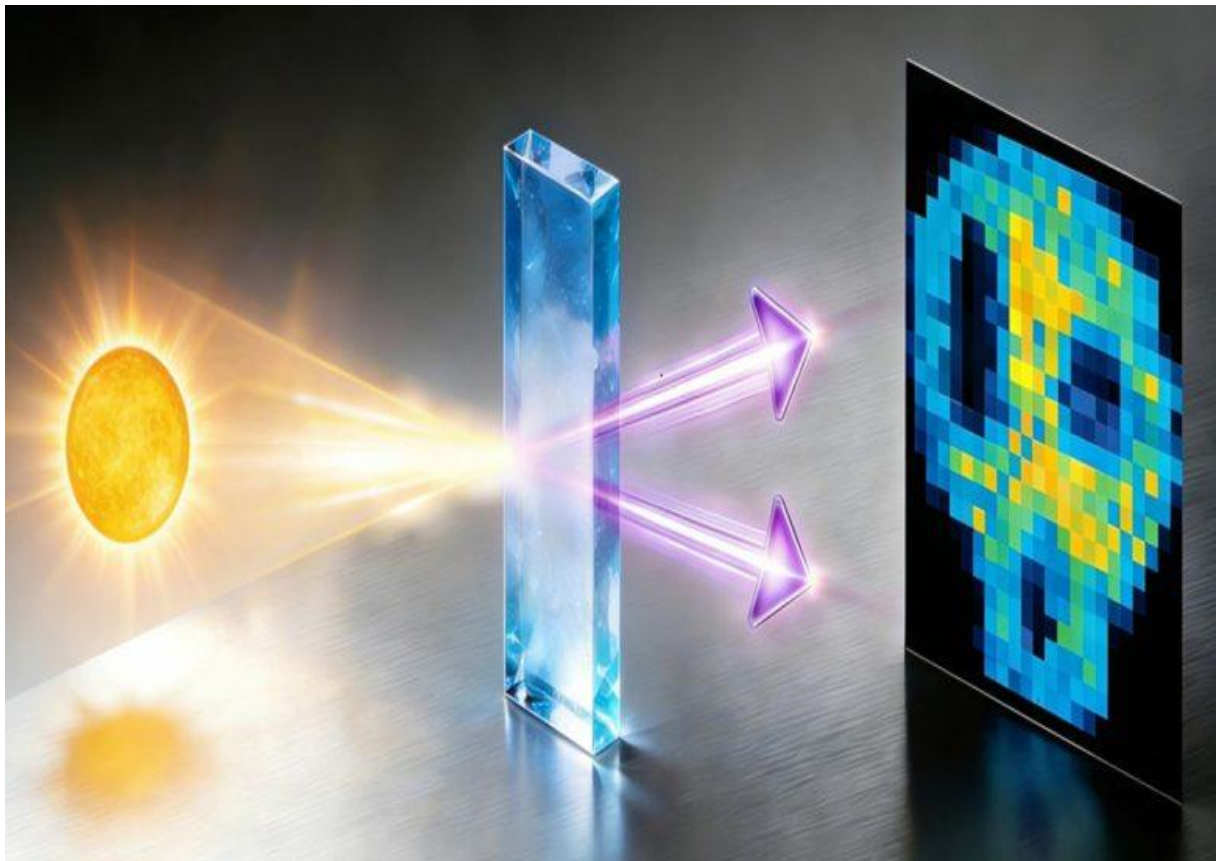
Humanoid robot shows off dance skills at Beijing mall

- A humanoid robot recently drew a crowd of shoppers at a mall in Beijing with its fluid dance moves. The eye-catching performance reflected the rapid advances that China's robotics industry has made in recent years.

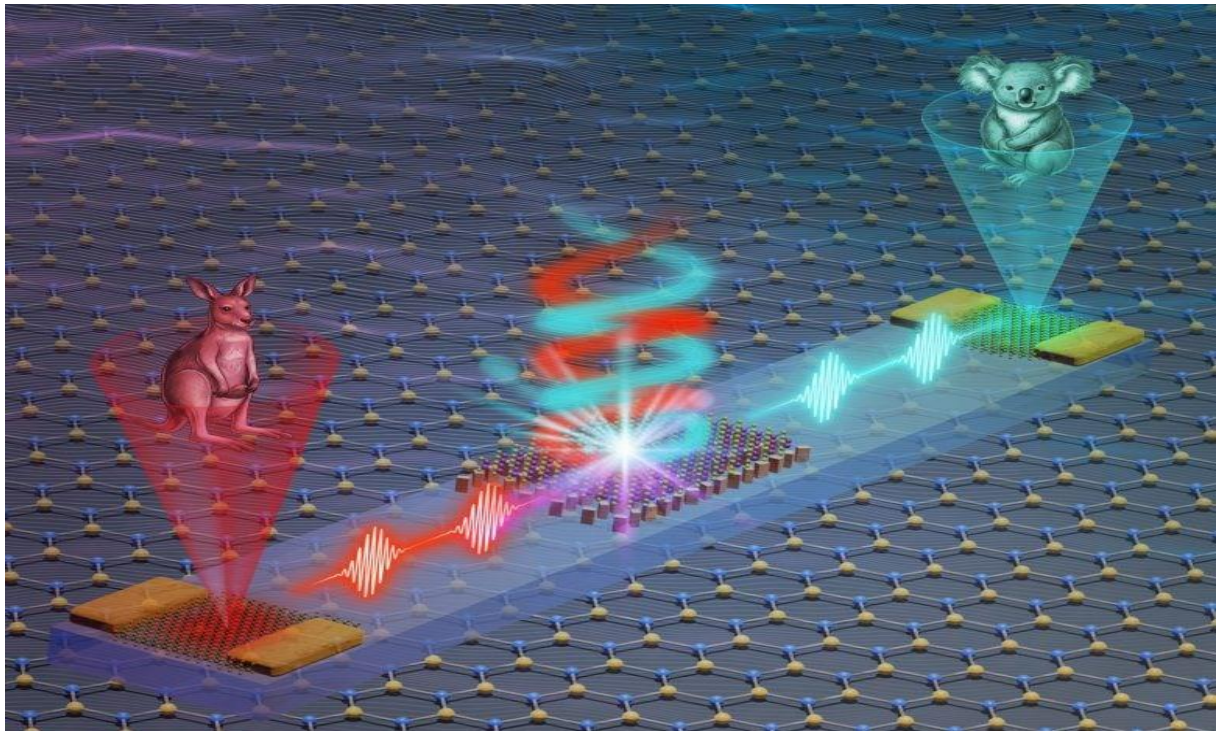


Scientists Just Used Sunlight To Pull Off a Quantum Physics Feat Once Thought Impossible

- Scientists have shown that sunlight alone can generate quantum-correlated photons capable of producing “ghost images,” a feat once thought to require stable lasers.
- Quantum optics experiments typically rely on carefully controlled lasers to create correlated or entangled photon pairs. These photon pairs are produced through a process known as spontaneous parametric down-conversion (SPDC), in which laser light is directed into a nonlinear crystal. Because the process depends on stable, coherent illumination, scientists have generally assumed that sunlight would not work as a practical alternative.



Scientists Create Tiny Chip That Uses Light Instead of Electricity To Process Information



- Researchers have created a compact chip that manipulates light-based quantum information with remarkable precision, advancing the development of next-generation photonic and quantum technologies.
- What if computers could process information using light instead of electricity? Researchers at [Monash University](https://www.monash.edu/) say they have taken an important step toward that future with a tiny new chip that can generate, control, and read light-based signals all in one device

Humanoid robots 'the future' of car making, says BMW



For the first time, BMW will use humanoid robots for car manufacturing in Europe.

- Two robots, made by Hexagon Robotics, are planned to work in production from the summer. They're currently in a test deployment at the Leipzig factory.
- "This will be the future of automotive production," says Michael Nikolaides, head of process management and digitalisation at BMW.
- Robot arms and other automation have been used by the car industry for decades.