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ARTS



SPORTS



**Department of Library and Information
Science**

BERCHLY

**Coordinator :
Shehitha Salim**



SCIENCE



TECHNOLOGY



CONTENTS



ARTS



SCIENCE



SPORTS



TECHNOLOGY

ARTS

Jaipur Rugs Presents: The Court of Carpets - A Celebration of Artisans

Monday, July 15, 2024

Building on Jaipur Rugs' success with an all-female artisan cricket team, four master artisans from Manpura village have transformed into skilled tennis players after rigorous training.

This creative blend of Wimbledon and rural Rajasthan celebrates their journey to excellence, with artisans dressed in elegant tennis saris merging classic whites with Rajasthani motifs, showcasing their talents in a match against Bopanna.



Read more: <https://authindia.com/jaipur-rugs-presents-the-court-of-carpets-a-celebration-of-artisans/>

Revolutionizing Military Infrastructure by Designing the Permanent Defence

Friday, July 11, 2024

Commissioned by the 2 Engineer Regiment of the Chinar Corps, Indian Army, R+D Studio aimed to improve living conditions at an outpost near Razdan Pass, Jammu & Kashmir, at 14,000 feet.

Drawing from traditional sandbag methods, they developed Silica Composite Hollow Blocks (SCHB) from recycled foundry dust and plastic waste. Each SCHB, measuring 13" x 9" x 6" and weighing 7.5 kg, offers exceptional durability—three times stronger than conventional bricks.



Read more: <https://authindia.com/revolutionizing-military-infrastructure-by-designing-the-permanent-defence-bunker/>

SPORTS



Virat Kohli and Rohit Sharma's replacements identified by outgoing batting coach Vikram Rathour: 'Players like Gill...'

Monday, July 15, , 2024



India entered a new T20I era with the Zimbabwe series after an unprecedented run in the ICC T20 World Cup 2024. In Rahul Dravid's coaching swansong, India ended its long wait for a World Cup title. Rohit Sharma and Co. outclassed South Africa in the final to seal India's second T20 World Cup crown in the Caribbean. The Virat Kohli-starrer side became the first men's team to win a T20 World Cup without losing a single game in the ICC event.

Readmore: <https://www.hindustantimes.com/cricket/virat-kohli-rohit-sharma-replacements-identified-batting-coach-vikram-rathour-players-like-shubman-gill-india-vs-sl-101721047227156.html>

Badminton: Lakshya will play freely as underdog in Olympics, says coach Vimal Kumar

Tuesday, July 16, , 2024

Lakshya Sen has got a "fair" draw in his debut Olympics, according to his coach Vimal Kumar, who expects the youngster to play freely in Paris thanks to his "underdog" status and some technical improvements in his overall game.

World No. 19 Lakshya's path to an Olympic medal has multiple hurdles as he will need to get past World No. 3 Jonatan Christie of Indonesia, last Olympics' surprise semifinalist Kevin Cordon from Guatemala, and Julian Carraggi from Belgium in Group L.



Read more: <https://indianexpress.com/article/sports/tennis/barbora-krejckova-wimbledon-2024-womens-champion-final-9451794/>

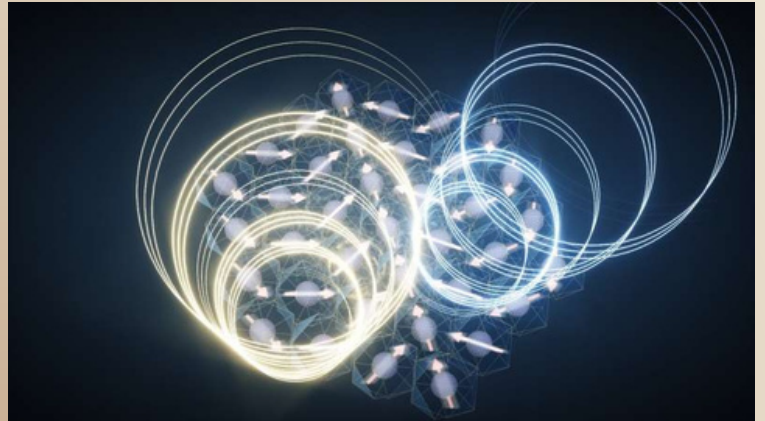
SCIENCE

Paving the way to extremely fast, compact computer memory

Wednesday, July 17, 2024

For decades, scientists have been studying a group of unusual materials called multiferroics that could be useful for a range of applications including computer memory, chemical sensors and quantum computers.

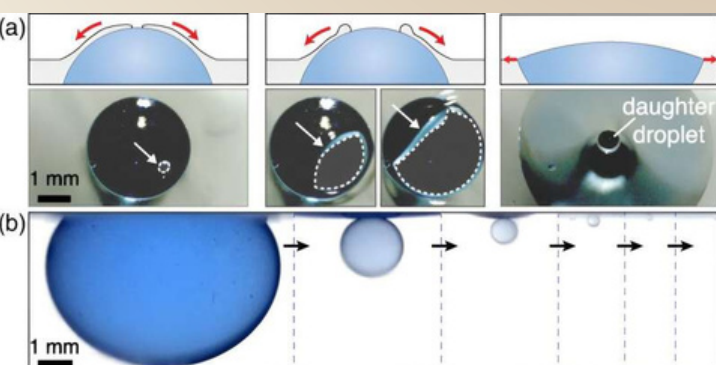
In a study published in *Nature*, researchers from The University of Texas at Austin and the Max Planck Institute for the Structure and Dynamics of Matter (MPSD) demonstrated that the layered multiferroic material nickel iodide (NiI_2) may be the best candidate yet for devices that are extremely fast and compact.



Read more: <https://phys.org/news/2024-07-paving-extremely-fast-compact-memory.html>

Bursting of underwater oil drops: How pollution may remain in water after oil spill cleanups

Thursday, July 18, 2024



Oil drops from underwater oil spills can break into tinier droplets at the surface that remain suspended in the water, according to research from the University of Illinois Chicago. That means cleanups after disasters like the Deepwater Horizon spill may be removing less oil from the environment than was thought.

Because oil is lighter than water, it rises through the ocean after spills, which are usually caused by leaking underwater pipelines or sometimes by natural processes. It was believed that when these oil drops reached the water's surface, they simply turned into a flat film, forming an oil slick.

Read more: <https://phys.org/news/2024-07-underwater-oil-pollution-cleanups.html>

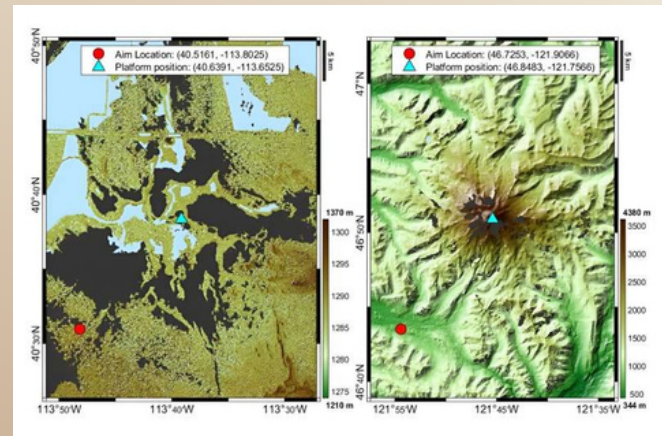
TECHNOLOGY

Enhancing adaptive radar with AI and an enormous open-source dataset

Friday, July 19, 2024

The world around us is constantly being flash photographed by adaptive radar systems. From salt flats to mountains and everything in between, adaptive radar is used to detect, locate and track moving objects. Just because human eyes can't see these ultra-high frequency (UHF) ranges doesn't mean they're not taking pictures.

Although adaptive radar systems have been around since World War II, they've hit a fundamental performance wall in the past couple of decades. But with the help of modern AI approaches and lessons learned from computer vision, researchers at Duke University have broken through that wall, and they want to bring everyone else in the field along with them.



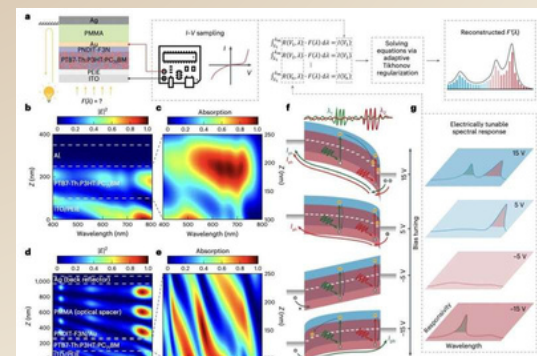
Read more: <https://indianexpress.com/article/technology/artificial-intelligence/openai-working-on-new-reasoning-technology-under-code-name-strawberry-9452155/>

Micro-sized optical spectrometer operates across visible spectrum with sub-5-nm resolution

Saturday July 20, 2024

Optical spectrometers are versatile instruments that can produce light and measure its properties over specific portions of the electromagnetic spectrum. These instruments can have various possible applications; for instance, aiding the diagnosis of medical conditions, the analysis of biological systems, and the characterization of materials.

Conventional spectrometer designs often integrate advanced optical components and complex underlying mechanisms. As a result, they are often bulky and expensive, which significantly limits their use outside of specialized facilities, such as hospitals, laboratories and research institutes,



Readmore: <https://techxplore.com/news/2024-07-micro-sized-optical-spectrometer-visible.html>