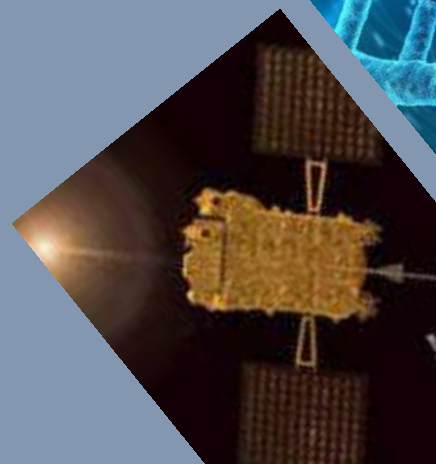


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CONTENTS



ARTS



SPORTS



SCIENCE

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Photo by 3D paradise on unsplash
Photo by Ales Nesetril on unsplash



TECHNOLOGY



ARTS



Chitra Visweswaran's 'Kolaru Padhigam' marked by fine visualisation

(October 4,2023)



One experienced this in 'Kolaru Padhigam', choreographed by veteran Chitra Visweswaran and presented by students of Lalitha Kala Mandir, the fine arts centre of Sri Muthukrishna

Swami Mission Trust. The production, a rich tapestry of movement and music, was performed at Bharatiya Vidya Bhavan.

Read more at:

<https://www.thehindu.com/entertainment/dance/chitra-visweswarans-kolaru-padhigam-marked-by-fine-visualisation/article67375073.ece>

Chennai musicians create Carnatic music anthem to celebrate cricket

(October 4,2023)

On the grounds of Chennai's Vivekananda College, three aspiring musicians — who would later go on to become leading names in the music industry— would often indulge in a game of cricket.P



Unnikrishnan, Palghat R Ramprasad and Sikkil Gurucharan are from different batches of the college, but the one thing that united them other than love for songs was cricket.

Read more at:

<https://www.thehindu.com/entertainment/music/world-cup-2023-chennai-musicians-create-carnatic-music-anthem-to-celebrate-cricket/article67378742.ece>

Otobong Nkanga Wins \$100,000 Nasher Prize for Sculpture

(October 5, 2023)



The Nasher Sculpture Center in Dallas has awarded Antwerp-based artist Otobong Nkanga its Nasher Prize, which comes with \$100,000 and an exhibition at the museum. Nkanga's exhibition, which will be accompanied by a monograph, will open in April 2025.

Read more at:

<https://www.artnews.com/art-news/news/otobong-nkanga-wins-nasher-prize-1234681207/>

Telangana Art Fest, a sparkling showcase of arts and music in Hyderabad

(October 5, 2023)

Hyderabad celebrates multiple facets of art as the Telangana Art Fest beckons art and music enthusiasts. To be held on the Jalavihar lawns at Necklace Road from October 6 to 8, the three-day festival blends art kiosks and music performances even as it promises to be a platform that connect artists, art lovers and buyers.



Read more at:

<https://www.thehindu.com/entertainment/art/telangana-art-fest-a-sparkling-showcase-of-arts-and-music-in-hyderabad/article67379108.ece>

‘Rediscovered’ Rembrandt Painting Could Sell For \$18.4 M. at Sotheby’s (October 6,2023)



Sometimes, additional provenance information about a painting can significantly increase its perceived value. In the case of a small nocturne showing a Biblical scene, a shift in attribution from the Circle of Rembrandt to the actual Dutch master himself has increased its auction estimate by several hundred-fold.

Read more at :

<https://www.artnews.com/art-news/news/rediscovered-rembrandt-painting-sothebys-auction-1234681445/>

One artist’s decades-long quest to build the largest brass and copper structure in the world

(October 6,2023)

Sculpting the Giant, a documentary that had its world premiere at the Vancouver International Film Festival (until 8 October) this week, tells the story of the Balinese sculptor Nyoman Nuarta and his 28-year struggle to build a 122-metre-tall



sculpture of the Hindu deity Vishnu and his vahana Garuda as part of a “cultural park” in Bali. It now stands as the world’s largest brass and copper structure, standing about one third taller than the Statue Liberty in New York harbour.

Read more at:

<https://www.theartnewspaper.com/2023/10/06/sculpting-the-giant-nyoman-nuarta-documentary-indonesia>



Mihir Vasavda at Asian Games: Jyothi Yarraji, 100 metre hurdles silver medalist on dramatic disqualification before winning medal: I had to stand up for myself

(October 2,2023)



Jyothi Yarraji might not have noticed it, but on an evening where she was involved in an almighty battle against the Chinese sprinters, successfully protested the decision to reinstate the home-favourite and faced a barrage of questions from the state media over the controversy, the young Indian sprinter got support from the unlikeliest of sources – the gold medal winner from China, Lin Yuwei.

Read more at:

<https://indianexpress.com/article/sports/asian-games/asian-games-jyothi-yarraji-100-metre-hurdles-silver-medalist-on-dramatic-disqualification-before-winning-medal-i-had-to-stand-up-for-myself-8964432/>

India schedule for ICC World Cup: Fixtures list and venues for India matches
(October 4,2023)

Hosts India will be favourites entering the 2023 World Cup and will start their campaign against five-time champions Australia in Chennai. The last time the tournament was held in the sub-continent in India, Sri Lanka and Bangladesh under the captaincy of MS Dhoni India lifted the trophy after 28 years.



Read more at:

<https://indianexpress.com/article/sports/cricket-world-cup/india-schedule-for-icc-world-cup-fixtures-list-and-venues-for-india-matches-8967159/>

Asian Games, compound archery: After multiple gold medals from Jyothi & Co, coach Sanjeeva Singh, who brought it to India, basks in glory (October 6,2023)



Sanjeeva Singh tries not to gloat but this is his 'I told you so' moment. Nearly two decades on, India's compound archers are World Cup winners, world champions and Asian Games gold medallists. The result assumes significance from a long-term point of

view given that there are murmurs of compound, currently a non-Olympic category, being included in the Los Angeles Games in 2028.

Read more at:

<https://indianexpress.com/article/sports/asian-games/asian-games-compound-archery-after-multiple-gold-medals-from-jyothi-co-coach-sanjeeva-singh-who-brought-it-to-india-basks-in-glory-8970199/>

First Time In 48 Years: Jonny Bairstow Achieves Sensational First In Cricket World Cup History (October 6,2023)

Jonny Bairstow became the first batter ever in history to open a Cricket World Cup with a six during the opening match between England and New Zealand on Thursday. It was the first scoring shot of the tournament as Bairstow comfortably heaved a delivery from Trent Boult over fine-leg for a six. However, England were unable to score big as New Zealand bowlers led by Matt Henry kept them in check to 282-9 despite Joe Root's 77.



Read more at:

<https://sports.ndtv.com/icc-cricket-world-cup-2023/first-time-in-48-years-jonny-bairstow-achieves-sensational-first-in-cricket-world-cup-history-4453255>

Asian Games 2023, Day 13 Highlights: Satwiksairaj Rankireddy-Chirag Shetty enter final; Men's hockey team takes gold (October 7,2023)



The Indian men's hockey team defeated Japan 5-1 in the Asian Games final to seal India's 22nd gold medal (India's 95th medal) at Hangzhou 2023. The gold also ensures that the Indian team qualifies for the Paris Olympics.

Elsewhere, India's Satwiksairaj Rankireddy and Chirag Shetty entered the final of the men's doubles event with a straight games win over Malaysia's Aaron Chia and Soh Wooi Yik.

Read more at:

<https://indianexpress.com/article/sports/asian-games/asian-games-2023-live-updates-day-13-india-medal-tally-october-6-cricket-badminton-hockey-8970401/>

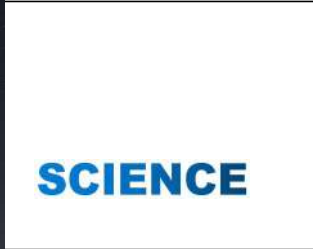
Asian Games: Jyothi Vennam, India's archery star was once a record breaking open water swimmer (October 7,2023)

For 15 years, Jyothi Vennam did not win much. In the last six months, she's won 'everything everywhere all at once'. It is also to underline the stupendous rise of the 27-year-old archer. The record-breaking open water swimmer, whose archery career has been punctuated by near-misses and heartbreaks, has achieved almost everything she could – equalling the world record, winning medals at the World Cups, World Championships and now, the Asian Games.



Read more at:

<https://indianexpress.com/article/sports/asian-games/asian-games-jyothi-vennam-indias-archery-star-was-once-a-record-breaking-open-water-swimmer-8972858/>



Study pinpoints cold adaptations in nervous system of Antarctic octopus (October 2, 2023)

Laden with dissolved salt, Antarctic waters can hover just above freezing and even dip below it. Temperatures this low would likely kill the animals that prosper in warmer waters further north. Yet, some creatures have found ways to live in this inhospitable cold.



Read more at :

<https://phys.org/news/2023-10-cold-nervous-antarctic-octopus.html>

Scientists use Webb, SOFIA telescopes to observe metallic asteroid (October 2, 2023)



Southwest Research Institute scientists are using telescopes to observe the asteroid Psyche in the infrared, providing context for NASA's upcoming Psyche mission. Dr. Stephanie Jarmak is using the James Webb Space Telescope (JWST) to look for water signatures on the metallic surface of Psyche,

while Dr. Anicia Arredondo is using some of the last data collected by the Stratospheric Observatory for Infrared Astronomy, or SOFIA, to study differences in Psyche's composition at different points on its surface.

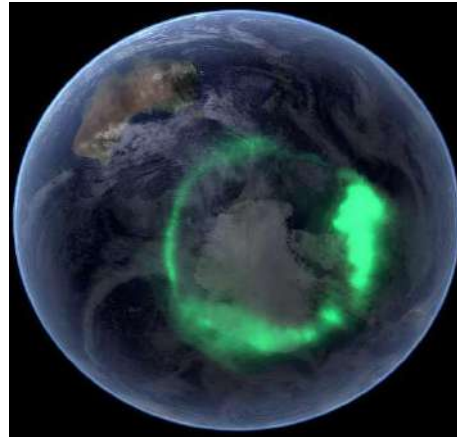
Read more at:

<https://phys.org/news/2023-10-scientists-webb-sofia-telescopes-metallic.html>

Iron atoms discovered on the move in Earth's solid inner core

(October 3,2023)

A study led by The University of Texas at Austin and collaborators in China found that certain groupings of iron atoms in the Earth's inner core are able to move about rapidly, changing their places in a split second while maintaining the underlying metallic structure of the iron—a type of movement known as "collective motion" that's akin to dinner guests changing seats at a table.

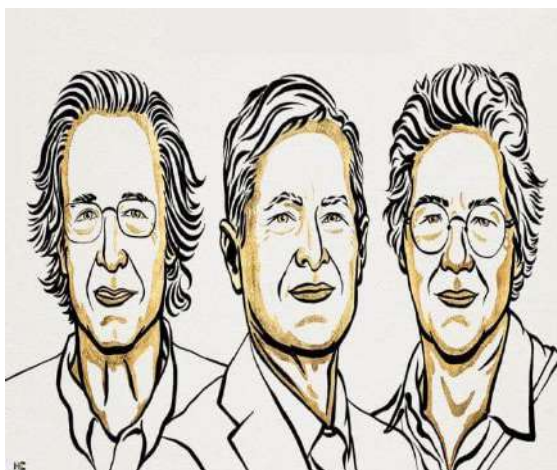


Read more at:

<https://phys.org/news/2023-10-iron-atoms-earth-solid-core.html>

Nobel Prize in Physics awarded to Pierre Agostini, Ferenc Krausz and Anne L'Huillier

(October 4,2023)



The Royal Swedish Academy of Science on Tuesday announced that the 2023 Nobel Prize in Physics has been awarded to Pierre Agostini, Ferenc Krausz and Anne L'Huillier for their work in “experimental methods that generate attosecond pulses of light for the study of electron

dynamics in matter.”

Read more at:

<https://indianexpress.com/article/technology/science/nobel-prize-physics-2023-agostini-krausz-l-huillier-8966989/>

Trio wins Nobel Prize in chemistry for work on quantum dots, used in electronics and medical imaging

(October 4,2023)

Three scientists won the Nobel Prize in chemistry Wednesday for their work on quantum dots—tiny particles just a few nanometers in diameter that can release very bright colored light and whose applications in everyday life include electronics and medical imaging.

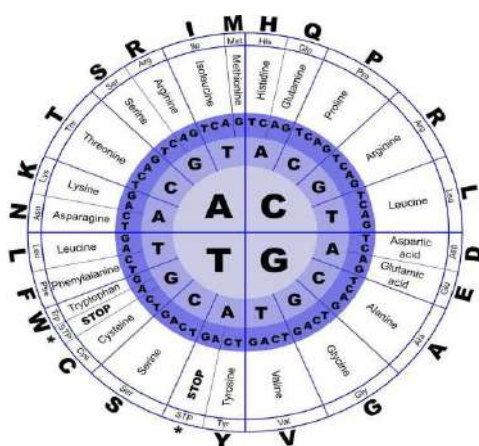


Read more at:

<https://phys.org/news/2023-10-scientists-nobel-prize-chemistry-tiny.html>

The end of genes: Routine test reveals unique divergence in genetic code

(October 5,2023)



The genome of a protist has revealed a seemingly unique divergence in the DNA code signaling the end of a gene, suggesting the need for further research to better understand this group of diverse organisms.

Read more at:

<https://phys.org/news/2023-10-genes-routine-reveals-unique-divergence.html>

Plot thickens in the hunt for a ninth planet

(October 5,2023)



A pair of theoretical physicists are reporting that the same observations inspiring the hunt for a ninth planet might instead be evidence within the solar system of a modified law of gravity originally developed to understand the rotation of galaxies.

Read more at:

<https://phys.org/news/2023-10-plot-thickens-ninth-planet.html>

Researchers revolutionize understanding of supermassive black hole accretion radiation in quasars

(October 6,2023)

Through the study of the optical to extreme ultraviolet radiation generated by the accretion of supermassive black holes at the centers of quasars, Associate Professor Cai Zhenyi and Professor Wang Junxian from the Department of Astronomy at the University of Science and Technology of China (USTC)



of the Chinese Academy of Sciences (CAS) have discovered that their spectral energy distribution is independent to the intrinsic brightness of quasars, overturning the traditional understanding in this field.

Read more at:

<https://phys.org/news/2023-10-revolutionize-supermassive-black-hole-accretion.html>

Amazon's challenge to Musk's Starlink to have first launch

(October 6,2023)



Amazon is set to launch two satellites on Friday, in its first test mission as part of its plan to deliver the internet from space and compete with Elon Musk's Starlink service. The launch window for the Atlas V rocket from the United

Launch Alliance (ULA) hub at Kennedy Space Center in Florida is scheduled to open for two hours at 2:00 pm local time (1800 GMT).

Read more at:

<https://phys.org/news/2023-10-amazon-musk-starlink.html>

Study quantifies satellite brightness, challenges ground-based astronomy

(October 7,2023)

The ability to have access to the Internet or use a mobile phone anywhere in the world is taken more and more for granted, but the brightness of Internet and telecommunications satellites that enable global communications networks could pose problems for ground-based astronomy. University of Illinois Urbana-Champaign aerospace engineer Siegfried Eggli coordinated an international study confirming recently deployed satellites are as bright as stars seen by the unaided eye.



Read more at :

<https://phys.org/news/2023-10-quantifies-satellite-brightness-ground-based-astronomy.html>



TECHNOLOGY



Japan startup develops 'Gundam'-like robot with \$3 mln price tag

(October 2,2023)



Tokyo-based start-up Tsubame Industries has developed a 4.5-metre-tall (14.8-feet), four-wheeled robot that looks like “Mobile Suit Gundam” from the wildly popular Japanese animation series, and it can be yours for \$3 million.

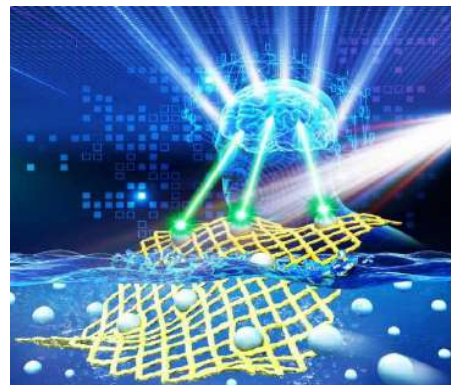
Read more at:

<https://indianexpress.com/article/technology/tech-news-technology/japan-startup-develops-gundam-like-robot-with-3-mln-price-tag-8964762/>

Scientists develop microplastics detection kit with AI technology

(October 5,2023)

A research team led by Dr. Ho Sang Jung of the Department of Nano-Bio Convergence at the Korea Institute of Materials Science (KIMS), a research institute under the Ministry of Science and ICT, in collaboration with the KOTITI Testing & Research Institute, has developed the world's first technology to rapidly and highly sensitively detect microplastics (MPs), which can cause human and genetic toxicity through environmental pollution and the food chain.



Read more at:

<https://phys.org/news/2023-10-scientists-microplastics-kit-ai-technology.html>

WhatsApp ticketing service now available across all Delhi NCR metro lines

(October 6,2023)

Good news for Delhi Metro passengers: the Delhi Metro Rail Corporation (DMRC) has expanded the WhatsApp-based ticketing system. The system was launched on the Airport Express Line in June. After its overwhelming success, the DMRC has now extended the same to cover almost all the lines in the Delhi-NCR, including the Gurugram Rapid Metro. The service is being rolled out in a collaboration between Meta and its authorised partner Pelocal Fintech Pvt. Ltd.



Read more at:

<https://indianexpress.com/article/technology/tech-news-technology/whatsapp-ticketing-service-delhi-metro-8970121/>

Why Dyson combined sound and clean air: The new Zone headphones explained by Joe Staniforth

(October 6,2023)



“At the core of our actions is the drive to solve problems,” said Joe Staniforth, Head of Wearables Category at Dyson, during a company event. Staniforth was responding to a question enquiring about the inspiration behind inventing a headphone that doubles up as a mobile air purifier.

Read more at:

<https://indianexpress.com/article/technology/tech-news-technology/dyson-zone-headphones-explained-joe-staniforth-8969737/>

Google Pixel 8 Pro runs generative AI models: Can compact LLMs change the way we use smartphones?

(October 8,2023)

You might think that large language models (LLMs) with billions or even trillions of parameters, such as ChatGPT, are the ultimate tools for natural language processing. But these models come with a huge cost: they require massive amounts of computing power and are super-pricey to run. That's why many experts believe that smaller, more specialised models trained on richer data will soon take over today's general-purpose LLMs.



Read more at:

<https://indianexpress.com/article/technology/artificial-intelligence/google-pixel-8-pro-on-device-generative-ai-how-does-it-help-8971324/>