Technology Roundup

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Forthcoming Tech Events

- 4th ASEAN-Pakistan Conference on Materials Science (APCoMS) 2025
- Workshop on "Plasma Spray Coatings for Industrial Applications
- 1st International Conference on Computing & Artificial Intelligence, 2025 (ICCA-25)
- Three-Day International Conference on Water Governance & Climate Resiliency
- 4th Forman International Conference on Business and Innovation (FICBI 2025)
- 4th International Conference on Innovation in Teaching and Learning (ICITL-2025)

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Tech & Trade Offers

PASTIC National Centre,
Quaid-i-Azam University Campus,
Islamabad.

Phone: 051-9248103-4, 9248128
Fax: 051-9248113
email: tis.pastic@gmail.com
web: www.pastic.gov.pk

PASTIC and PU Push the Frontiers of Research

The 10th Invention to Innovation Summit 2025 kicked off at Punjab University, jointly organized by PU's Office of Research Innovation and Commercialization (ORIC), PASTIC, Pakistan Science Foundation (PSF), and other collaborators. Punjab University Vice Chancellor Prof. Dr. Muhammad Ali emphasized nurturing a culture of invention to fuel economic growth, urging universities to focus skill-building along with degrees. Prof. Dr. Muhammad Akram Shaikh, DG PASTIC and Member Science, Pakistan Science Foundation underscored the summit's role in connecting academia, industry, technologists and policymakers to promote research commercialization. He stated that the Invention to Innovation Summit, initiated in 2011, has grown into a leading national platform that promotes research commercialization and fosters innovation. He also highlighted the need for increased R&D investment to boost Pakistan's Global Innovation Index ranking. PU Pro-VC Prof. Dr. Khalid Mahmood noted rising PhD numbers but stressed the need for greater innovation. He congratulated PU's success at PINTEC Expo 2025. UMT's Prof. Dr. Abid H.K. Sherwani highlighted the innovation gap in Pakistan's universities and the potential of local resource development. With eighty five companies and more than ninety presentations, the summit offers a powerful platform to translate research into socio-economic impact.

KP Launches Innovation Hub & Digital Centers

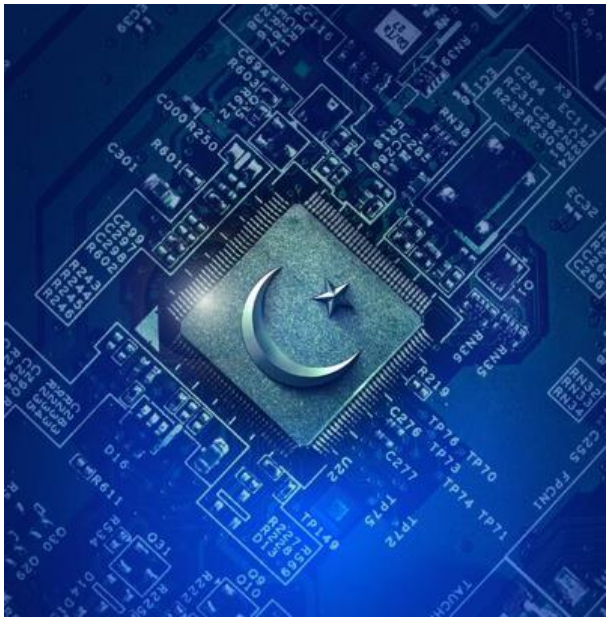
To empower youth and drive tech innovation, the KP government has approved a new Innovation Hub at the University of Peshawar, along with Digital Connect Centers in every divisional headquarters. The decision was made during a high-level meeting led by the Chief Minister KPK, with key attendees including Special Assistant for IT, and top officials from the higher education and IT departments. The meeting focused on strengthening higher education and IT development in the province. The Innovation Hub will be set up within the existing Incubation Center at the University of Peshawar. It will include 22 private offices, two large event halls, conference rooms, and co-working spaces, creating a dynamic environment for startups, IT companies, and entrepreneurs to collaborate. The multipurpose facility is projected to generate Rs. 60 million annually for the university, and will offer all core services necessary to support innovation and business growth under one roof. In parallel, the government has given initial approval for the launch of Digital Connect Centers in each divisional headquarters. These centers will initially operate from rented premises, offering co-working spaces, IT training facilities, and modern equipment to empower young professionals and students. The Chief Minister reiterated the provincial government's dedication to digital transformation.

Technology Meets Tradition: AI Tools for the Sindhi Language

Fahad Maqsood Qazi, an IT professional from Hyderabad, Pakistan, developed the first Sindhi language text-to-speech (TTS) and speech-to-text (STT) AI models. While working on an AI dubbing system for his company, Flis Technologies, he realized that no TTS or STT models existed for Sindhi, a language spoken by 40 million people. Qazi spent months transcribing Sindhi audio and combining it with existing data from Mozilla's Common Voice project. Finally, he successfully created the models and shared them on platforms like HuggingFace. These tools, which enable speech and text communication in Sindhi, offer a critical link for the Sindhi diaspora, especially children who may lose touch with their linguistic heritage. The models can also assist uneducated adults and the elderly, allowing for communication and access to information in Sindhi. Qazi hopes his work will ensure Sindhi's survival and growth in the digital age.

DFDI Forum Puts Pakistan on Global Tech Map

In a pioneering move that places Pakistan at the center of global digital transformation, the country has become the first to launch the Digital Foreign Direct Investment (DFDI) Initiative. Backed by the Government of Pakistan and the Digital Cooperation Organization (DCO), the initiative is set to redefine how digital capital flows into emerging economies. Islamabad will host the DFDI Forum 2025, aiming to become the premier hub for global digital investment. The forum will gather investors, innovators, and policymakers from over 16 member countries, offering a dynamic platform for real deals and cross-border collaboration. At the heart of this shift is Pakistan's Digital FDI-Enabling Policy, built on four key pillars: digital infrastructure, industry-wide digital adoption, innovation support, and export expansion. With ICT exports surging and a young, tech-savvy workforce, Pakistan is rapidly becoming a leading destination for digital investment. The DFDI Forum signals not just an event but a long-term strategy to reshape digital development across the Global South.

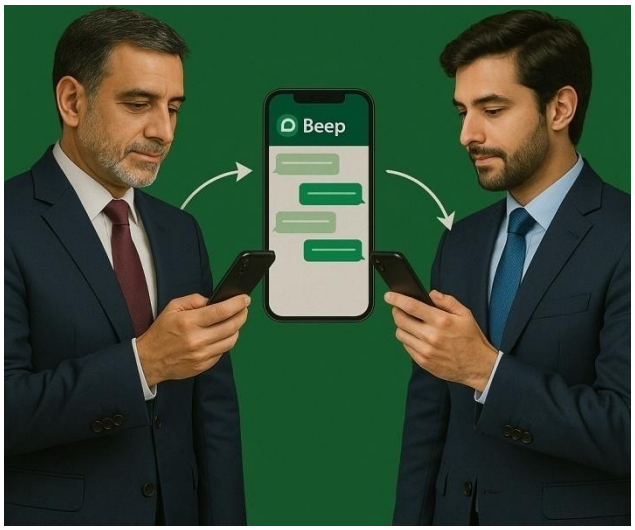


Punjab Accelerates in Forensic Science and Digital Finance

Following the directive of Punjab Chief Minister, the Home Department has initiated the creation of a central DNA database. The Punjab Forensic Science Agency will compile DNA profiles from across the province, aiming to accelerate the identification of suspects in major crimes. DNA records of prisoners and repeat offenders will also be maintained. To oversee this project, a working group led by Dr. Mohammad Amjad, Director General of the Punjab Forensic Science Agency, has been formed. Other members include Director Admin Waleed Baig, Professor Dr. Muaz-ur-Rehman, and DIG Athar Waheed. The group is tasked with presenting a model to the Home Secretary within a week. In another development, Punjab is making significant strides in digital technology. The Chief Minister met a delegation from World Liberty Financial, including leaders like Zachary Folkman and Chase Herro. Discussions focused on blockchain innovation, tokenization of natural resources, and stable coin applications, aiming to enhance transparency and efficiency in financial systems through decentralized finance models.

Pakistan's Beep App Ready for Secure Government Chats

The National Information Technology Board (NITB) has finalized testing of Beep, a secure messaging platform designed specifically for federal government employees. Trials were successfully conducted within the Ministry and affiliated departments. The app is now in the final clearance stage, undergoing evaluations to ensure it meets strict security, encryption, and hosting standards. Cybersecurity experts are reviewing Beep for vulnerabilities, with technical checks covering encryption protocols, firewalls, and data privacy. During testing, the interface was redesigned to resemble WhatsApp for ease of use. Built to support up to five million users, the app is hosted on NTC servers, keeping data within Pakistan and protected by end-to-end encryption. Only verified government employees will have access to the platform, receiving unique authentication codes post-clearance. Beep aims to enhance secure, internal communication and reduce dependency on external messaging services.



Islamabad Introduces Digital Parking System for Smarter City Management

The Capital Development Authority (CDA) has introduced a Smart Parking System in key commercial areas of Islamabad, such as the Centaurus Parking Lot, F-7 Markaz, and the Diplomatic Enclave. This initiative aims to streamline parking operations, enhance transparency, and boost municipal revenue as part of CDA's plan to transform Islamabad into a digitally-enabled smart city. Developed in collaboration with AJCL (Pvt.) Ltd, the system enables users to pay parking fees through mobile apps, digital wallets, or debit/credit cards. For those who prefer cash, digital vouchers allow the conversion of physical currency into electronic tokens, ensuring accessibility for all. CDA officials noted that the system has improved traffic flow and increased accountability in fee collection. Revenue generated will be reinvested into upgrading city infrastructure, including sanitation and public services in commercial areas. This move reflects CDA's commitment to enhancing urban living and service delivery in Islamabad.

CeDAR at LUMS: Shaping Pakistan's Blockchain Future

The Center for Digital Assets Research (CeDAR) at LUMS was officially launched on April 24, marking a major step forward for Pakistan's blockchain and digital asset ecosystem. Backed by a grant from the Stacks Foundation, CeDAR will focus on research, education, innovation, and development in decentralized internet technologies and Web 3.0. Stacks, co-founded by LUMS alumnus Dr. Muneeb Ali, enables smart contracts on Bitcoin and supports this initiative. Although Pakistan ranks among the top ten countries for digital asset adoption, regulatory frameworks are still evolving. CeDAR aims to bridge this gap by fostering collaboration among students, entrepreneurs, industry leaders, and government bodies. The launch event featured an international conference attended by senior leaders from global companies like Zodia Markets, Binance, and Fasset, along with top domestic fintech firms. Discussions emphasized the importance of compliance, energy-efficient mining, investment opportunities, and workforce development in blockchain technologies. With CeDAR's launch, LUMS is positioned as a leading hub for blockchain research and innovation in Pakistan.

Pakistan's Mobile Manufacturing Soars as Imports Decline in 2025

Local mobile phone manufacturing in Pakistan saw significant growth in the first quarter of 2025, with 7.21 million handsets assembled, substantially higher than the 0.54 million units imported during the same period. In March alone, domestic plants produced 2.33 million phones, compared to just 0.17 million imports. This reflects the country's increasing shift towards local production, continuing the momentum from 2024, when 31.38 million phones were assembled locally against only 1.71 million imports. Of the Q1 2025 output, 4.09 million were 2G handsets and 3.12 million were smartphones. From July 2024 to February 2025, mobile phone imports totaled $1 billion, marking a 12.89% year-on-year decline. In rupee terms, imports fell 14.8% to Rs278.37 billion. Monthly imports also dropped in February 2025, both year-on-year and compared to January.

Google Wallet Empowers Digital Pakistan

Google Wallet officially launched in Pakistan on March 13, 2025, offering users a single Android app for contactless payments, online purchases, loyalty cards, and travel tools like boarding passes. The launch featured a visit by Chen Way Siew, Google's head of financial institution partnerships, who met with leaders from major banks including HBL, UBL, Meezan Bank, and Bank of Punjab to explore future collaborations. Currently, seven banks support Google Wallet: Bank AlFalah, Bank of Punjab, Faysal Bank Noor, HBL, JazzCash, Meezan Bank, and UBL. Others like Allied Bank, Easypaisa, JS Bank, and Zindigi may join soon. While UnionPay isn't supported yet, PayPak may be added. Security is a priority, using tokenization and device-level verification (CDCVM). Users can set up the app by downloading it from the Play Store and adding cards via OTP. Future updates will offer easier in-app setup. With this launch, Google Wallet is set to modernize payments and expand access to digital finance across Pakistan.

Pakistan's Locally Trained, Globally Inspired Zahanat AI

Pakistan has made a major advancement in artificial intelligence with the beta release of Zahanat AI, the country's first domestically developed AI chatbot. Created by Mehwish Salman Ali, CEO and co-founder of Data Vault and Zahanat AI, the platform is tailored to address Pakistan's specific needs with a strong focus on cultural and ethical standards. Unlike international AI models, Zahanat AI operates from a local data center in Karachi, launched in 2022. This ensures all processing and data storage are managed within Pakistan, boosting security and meeting local compliance requirements.

The center features high-speed internet and advanced DDoS protection for stable AI operations. Notably, Zahanat AI used cost-effective methods, initially utilizing gaming GPUs to build computing power, unlike global counterparts like DeepSeek that required multi-million-dollar investments. With 2 billion parameters trained locally, Zahanat AI prioritizes cultural sensitivity and ethical responses. Currently accessible via an invite-only beta, the platform aims to expand by adding multilingual support and voice input in future updates, promising wider accessibility across Pakistan.

First Pakistani appointed at Scottish Science Advisory Council

Professor Qammer Hussain Abbasi, from UET Lahore graduate, has made history as the first Pakistani appointed to Scotland's top scientific advisory body the Scottish Science Advisory Council (SSAC). The council offers expert, independent advice to Scottish Ministers via the Chief Scientific Adviser. Now a professor at the University of Glasgow's James Watt School of Engineering, Abbasi leads significant research in applied electromagnetics, sensing, and advanced communication technologies. He holds roles as Co-Director of a mission-driven research doctoral program and Director of the Communication Sensing and Imaging Hub. With over £13 million in research funding and more than 500 peer-reviewed papers, Abbasi has also edited 14 scientific books. His work spans 6G, terahertz systems, wireless healthcare, and brain machine interfaces. In 2024, he was appointed advisor to the UK's Department for Science, Innovation and Technology. Most recently, he became the youngest Pakistani to be elected Fellow of the Royal Society of Edinburgh Scotland's national academy.

Inventors Get a Boost as Pakistan Joins Global IP Program

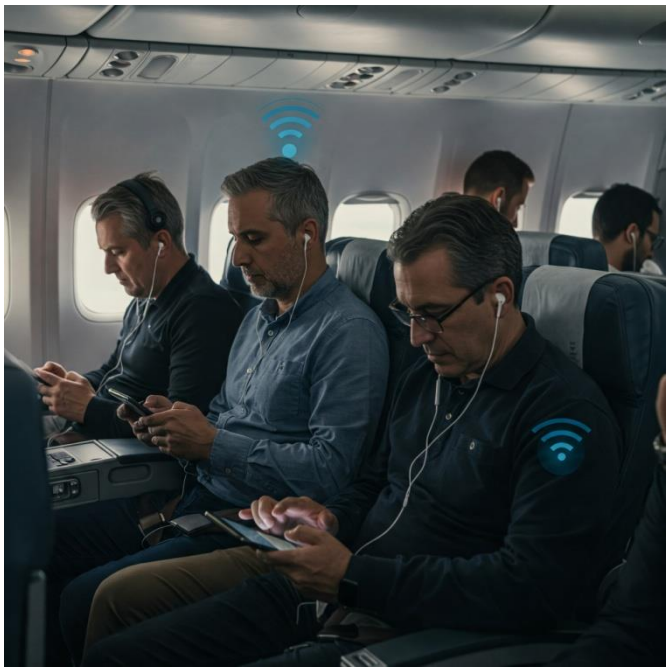
Pakistan has officially joined the Inventor Assistance Program (IAP), a global initiative launched by IPO-Pakistan in collaboration with WIPO to empower local inventors with free support navigating the patent system. This marks a significant move in transforming innovation into economic impact. Speaking at the Islamabad launch it was emphasized that intellectual property is key to national development especially in agriculture driven economies. The IAP will help unlock untapped potential by connecting inventors with volunteer patent experts, both in Pakistan and internationally. WIPO's Allison Mages noted that each protected invention represents jobs, growth, and opportunity. Pakistan is now the 10th country to join the program, alongside others like Singapore and South Africa. With patent applications rising 14% annually, Pakistan is outperforming expectations on the Global Innovation Index 2024. The initiative kicks off with a hands-on workshop in Karachi on April 9, 2025. Inventors can now apply via the multilingual IAP platform, signaling a bright future for innovation-led development in Pakistan.

Aerial Construction: The Next Frontier

An international team, led by researchers from Empa and EPFL, is pioneering a new future for construction using aerial robots capable of processing materials mid air. Rather than replacing ground based machines, these drones are designed to complement them, especially in disaster zones or inaccessible locations. The aerial robots offer unmatched flexibility, reaching rooftops, mountain sites, or even extraterrestrial surfaces without the need for fixed setups. They could be deployed in swarms, cut transportation demands, and make construction sites safer. Currently at an early stage of technological readiness, construction drones have already demonstrated promising capabilities, including autonomous material placement and 3D printing. Yet, major challenges remain, notably coordinating advances across robotics, materials science, and architectural design. Researchers propose a five-level autonomy framework, ultimately envisioning drones that adapt structures in real-time based on materials and environment. For now, the team envisions drones working alongside ground robots, maximizing flexibility and scalability in future construction projects.

Future of Nuclear: China's Thorium Leap

China has achieved a significant breakthrough in nuclear technology by successfully reloading its thorium-based molten salt reactor without shutting it down. Built by the Chinese Academy of Sciences, the two-megawatt reactor, located in the Gobi Desert, became the world's first operational thorium molten salt reactor last year. Now, researchers have advanced further by refueling it while it remained active. Thorium-232 itself is not directly fissile. Instead, it absorbs neutrons to become protactinium, which decays into uranium-233, a usable nuclear fuel that can be recycled or utilized within reactors. Unlike traditional nuclear plants that rely on high-pressure water systems, molten salt reactors use liquid salt as both fuel and coolant, offering a higher boiling point and built-in safety mechanisms that reduce meltdown risks. Thorium is more abundant than uranium and harder to weaponize, although uranium-233 byproducts could technically be used in arms with greater difficulty.



Free Wi-Fi Takes Off on American Airlines

American Airlines will offer complimentary Wi-Fi to AAdvantage members starting January 2026 via high-speed satellite connections. Exclusive to AAdvantage members, this AT&T-sponsored Wi-Fi will be available on most of American's current fleet. Over 500 regional aircrafts will also be equipped by year-end for launching in January. This development meets the need for inflight connectivity, and is a significant benefit for frequent flyers, especially on long international flights where Wi-Fi was previously paid. This follows a trend of airlines offering free Wi-Fi, with JetBlue being the first in the US in 2017, followed by Delta and United. It is notable that Wi-Fi quality varies by satellite service; United uses LEO Starlink for potentially faster speeds, while American uses GEO Viasat and a mix of GEO/LEO Intelsat.

Biotech Breakthrough: Dire Wolves Brought Back from Extinction

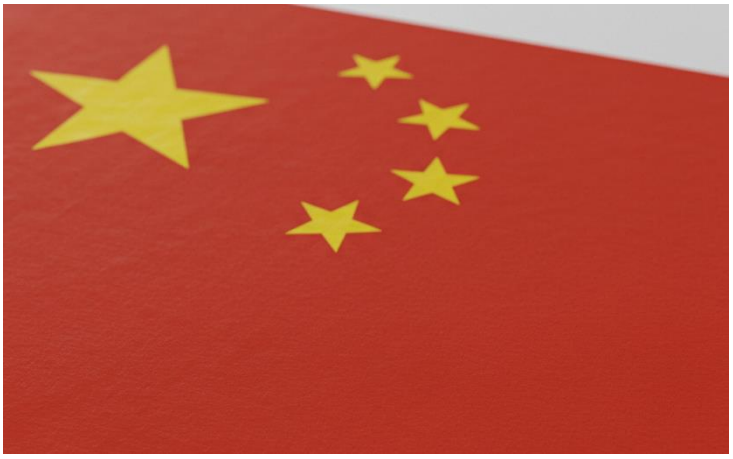
Colossal Biosciences, a Dallas-based biotech company, has announced the successful creation of three dire wolf pups using gene editing, cloning, and ancient DNA. Scientists changed gray wolf DNA to recreate key dire wolf traits, like thick fur and strong jaws. Though the new animals are 99.5% gray wolf, they closely resemble the extinct species, which vanished around 12,500 years ago. The pups were born in late 2024 and early 2025 and now live on a secure, 2,000 acre site. Researchers used CRISPR technology to edit 20 genes and implanted the altered cells into domestic dog surrogates. The project demonstrates Colossal's broader de-extinction goals, including reviving the woolly mammoth and aiding endangered species. Scientists stress that the goal isn't perfect replication but restoring functional traits. The technology may also enhance conservation by increasing genetic diversity in species like the critically endangered red wolf. While ethical and ecological concerns remain, Colossal views the dire wolf revival as a major scientific milestone.

Google Steps into AR Glasses Game

At the TED Conference in Vancouver, Google introduced prototype smart glasses powered by its Gemini AI, featuring a miniature display capable of performing tasks such as real-time translation, text scanning, and more. Designed to resemble regular eyewear, the glasses connect to smartphones, enabling lightweight functionality while tapping into mobile apps. Shahram Izadi, head of Android XR, demonstrated the glasses' capabilities, including live Farsi to English translation and seamless streaming between the glasses and a user's phone. Google also previewed a new mixed reality headset developed in collaboration with Samsung that closely mirrors Apple's Vision Pro, using pass-through video to blend physical and digital environments. The demo included immersive views like a 360 degree snowboarding video and a virtual tour of Cape Town. Samsung had previously teased this device, codenamed Project Moohan, at its January Unpacked event. Google's announcement follows similar developments from Meta, highlighting the rapid progress in AR/VR tech. However, affordability and battery efficiency remain key challenges before mainstream adoption.

World's Fastest Memory Device Revealed

Chinese scientists at Fudan University have developed a groundbreaking flash memory device, "Poxiao", that erases and rewrites data in just 400 picoseconds, a trillionth of a second. This device, smaller than a grain of rice, is 100,000 times faster than current memory technologies, opening new possibilities for AI systems that can read and write data as fast as they process it. Unlike traditional methods that involve slow "warm-up" phases for electrons, the new approach called "2D-enhanced hot carrier injection" enables electrons to transition directly to high speed states. This advancement breaks through long standing speed barriers in flash memory. While the prototype holds only kilobytes of data, it represents a significant leap in storage technology. Researchers aim to scale it to tens of megabytes in the next five years, potentially transforming how memory and storage are integrated in AI and personal computing.

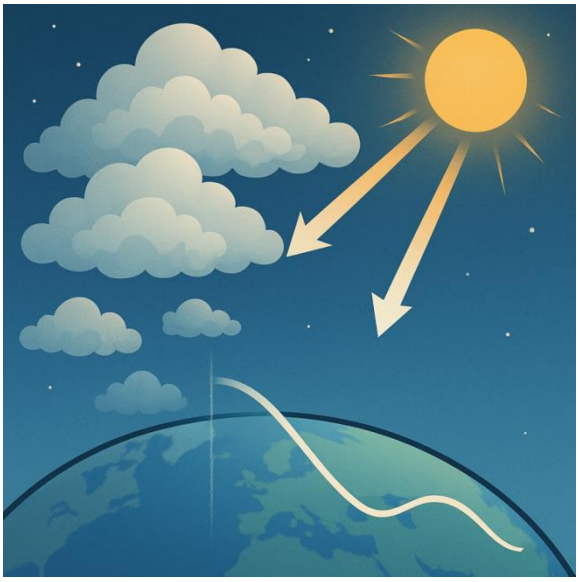


Training-Free AI Boosts Agri-Tech Efficiency

Researchers at the University of Illinois Urbana Champaign have developed a self learning AI system capable of identifying flowering traits in Miscanthus grasses from aerial images, dramatically reducing the need for manual data labeling in agricultural research. The team created an Efficiently Supervised Generative and Adversarial Network (ESGAN) that uses competing neural models to teach itself how to recognize subtle visual differences in drone captured images. This approach overcomes a major barrier in AI adoption for crop science i.e. the massive time investment required to annotate image datasets for training. ESGAN reduces the need for human labeled data by up to 100 fold compared to traditional methods. While tested on Miscanthus, the technology holds promise for broader agricultural and biological applications, including breeding trials and digital agriculture. The team aims to expand ESGAN's use in multi state crop trials to improve regional adaptation and biofuel production. The work is supported by the U.S. DOE, USDA, and other partners.

Reflecting the Sun: UK's New Tool Against Warming

The UK government has committed £50 million to a groundbreaking but contentious geoengineering project aimed at tackling climate change by reducing the amount of sunlight reaching Earth. This initiative, known as Solar Radiation Management (SRM), involves releasing reflective aerosol particles into the stratosphere to mimic the cooling effects of volcanic eruptions. Led by the ARIA programme, scientists will conduct small scale outdoor trials after thorough environmental assessments and community consultations. The goal is to gather real world data to determine whether SRM can serve as an emergency tool alongside emissions reduction. While proponents see potential, critics worry about unforeseen impacts on weather and agriculture. Nonetheless, experts agree that foundational research is necessary. With declining U.S. investment in geoengineering, the UK could become a global leader in this field, pushing the conversation forward on climate intervention.



SolarPad Tech Supercharges Lithium Mining for a Greener Future

A breakthrough from Princeton University is transforming how lithium and other essential minerals are extracted for clean energy and agriculture. Princeton Critical Minerals (PCM), has developed a floating disc "SolarPad" that significantly enhances mineral production in evaporation ponds. This black, anti-fouling coated disc converts over 96% of sunlight into thermal energy, doubling the efficiency of natural evaporation processes. Tested in collaboration with SQM in Chile, the technology increased evaporation rates by up to 122%, depending on the brine composition. This could reduce the need for massive pond expansions and shrink environmental footprints. The PCM emerged from fundamental lab research and matured through Princeton's innovation programs, including I-Corps and START Innovators. The team's journey showcases how academic research can leap into scalable solutions with real-world impact. With commercialization underway, PCM aims to revolutionize mineral extraction, accelerate clean tech supply chains, and reduce ecological strain on critical resources.

Coffee Meets Science: Fluid Dynamics Boosts Brew Efficiency

Researchers at the University of Pennsylvania have found a novel way to make richer pour over coffee using fewer beans by applying the principles of fluid dynamics. Faced with rising arabica bean costs and climate pressures, the team explored how the motion of water through coffee grounds affects flavor extraction. Using lasers, transparent particles, and high-speed cameras, they discovered

that pouring from the right height with a gooseneck kettle can trigger miniature avalanches in the grounds, increasing contact between water and coffee particles. This laminar flow and particle agitation enhance flavor extraction, making fewer beans go further. The study not only improves everyday brewing but also sheds light on natural processes like erosion and water filtration. Their insights extend to real world applications, including biofilm cleaning and environmental fluid systems. Lead researchers emphasize that small scale coffee studies can unlock broader scientific discoveries across medicine and the environment.

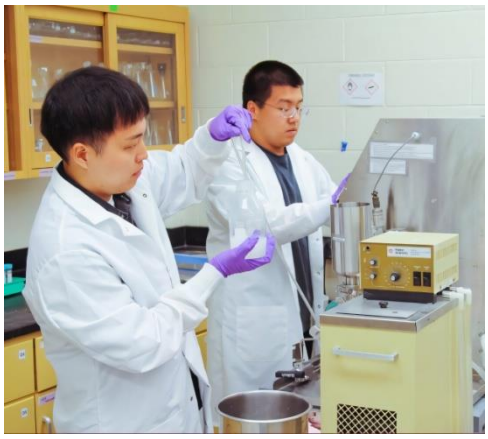
Ultralight Device Turns Bees into Power Generators

A team of Chinese scientists has developed an ultralight piezoelectric energy harvester (PEH) that captures energy from the natural thorax vibrations of bees without affecting their flight. Weighing just 46 milligrams, lighter than a grain of rice, the flexible device is crafted from PVDF films and precisely tuned to the bees' natural vibration frequency of 210–220 Hz. Researchers from the Beijing Institute of Technology and Sun Yat-sen University engineered the device to optimize energy output while maintaining flight stability. By aligning the harvester's resonant frequency with the bees' thoracic movements

and adjusting its center of gravity, the device produced 5.66 volts and a power density of 1.27 mW/cm^3. Laser-cut copper substrates and 3D-printed molds shaped the harvester, which showed no disruption to bee behavior. The innovation eliminates the need for batteries in insect cyborgs, potentially enabling future biohybrid systems for environmental monitoring or rescue operations. Though storage and scalability remain challenges, the team plans to expand this design to other insects like dragonflies and butterflies.

Low-Pressure Innovation Transforms Biodegradable Packaging

Researchers from Virginia Tech, USA have developed a new method for enhancing biodegradable cellulose-based packaging, making it stronger and more energy-efficient. The team from the College of Agriculture and Life Sciences and the College of Natural Resources and Environment discovered a low-pressure treatment process that significantly improves the properties of plant-based packaging materials. This breakthrough could help industries transition from petroleum-based plastics without compromising durability. Traditionally, biodegradable materials like cellulose struggled with performance issues, but the new process enhances cellulose's mechanical strength, gas barrier capabilities, and transparency. Unlike high-energy traditional methods, this low-pressure approach minimizes damage while boosting functionality, making it more suitable for large-scale industrial use. Cellulose, being one of the most abundant organic materials, has long been considered a promising alternative to plastics, but its structural limitations made its use challenging. The research could pave the way for the widespread use of bio-based packaging, offering a cost-effective, sustainable alternative to traditional plastic. The project has already attracted interest from industry partners, and researchers are exploring further applications, including antimicrobial food packaging.



World's Smallest Biodegradable Pacemaker Offers Non-Invasive Heart Care

Northwestern University engineers have unveiled a groundbreaking biodegradable pacemaker, small enough to fit in a syringe. Designed primarily for newborns with congenital heart defects, the rice-grain-sized device eliminates the need for surgical removal by naturally dissolving after use. It pairs with a soft, wearable controller that detects abnormal heart rhythms and activates the implant using infrared light pulses, which penetrate through skin and tissue. Unlike traditional temporary pacemakers that require wires and extraction, this innovation reduces complications such as infection and tissue damage. Its battery is powered by the body's own fluids, using a galvanic cell system formed by metal electrodes. This next-generation pacemaker can also be integrated into other implants like artificial heart valves and used in clusters to stimulate different heart regions independently, offering more precise pacing, especially during recovery. With potential applications extending to neural healing, pain therapy, and wound treatment, this fully resorbable device marks a major leap in bioelectronic medicine and patient-centered cardiac care.

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FORTHCOMING TECH EVENTS

PAKISTAN

- 4th International Conference on Innovation in Teaching and Learning (ICITL-2025)
  September 10 – 11, 2025, International Islamic University, Islamabad
  https://www.iiu.edu.pk/seminars-conferences/4th-international-conference-on-innovation-in-teaching-and-learning-icitl-2025/
- 4th International Conference on Communication, Computing and Digital Systems (C-CODE)
  October 01 – 02, 2025, Bahria University, Islamabad
  https://ccode.bahria.edu.pk/
- International Conference on Engineering & Computing Technologies (ICECT)
  November 13 – 14, 2025, National University of Modern Languages (NUML), Islamabad
  https://numl.edu.pk/icect/
- International Conference on Applications of Space Science and Technology (ICAST)
  November 18 – 20, 2025, Institute of Space Technology, Islamabad
  https://icast.pk/
- 22nd International Conference on Smart Communities: Improving Quality of Life using AI, Robotics and IoT (HONET)
  December 02 – 04, 2025, Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI), Topi
  https://honet-ict.org/
- 22nd International Conference on Frontiers of Information Technology (FIT'25)
  December 15 – 16, 2025, COMSATS, Islamabad
  https://fit.edu.pk/

INTERNATIONAL

- 25th International Conference on Transparent Optical Networks (ICTON 2025)
  July 06 – 10, 2025, Barcelona, Spain
  https://icton2025.upc.edu/
- 10th International Conference on Automation, Control and Robotics Engineering (CACRE 2025)
  July 16 – 19, 2025, Wuxi, China
  https://www.cacre.org/
- 14th IEEE/CIC International Conference on Communications in China (ICCC 2025)
  August 10 – 13, 2025, Shanghai, China
  https://iccc2025.ieee-iccc.org/
- 9th International Symposium for Geotechnical Safety and Risk (ISGSR)
  August 25 – 28, 2025, Oslo, Norway
  https://www.isgsr2025.com/
- The Global Conference on Sustainable Energy and Net-Zero Emissions
  October 28 – 29, 2025, Hail City, Saudi Arabia
  https://conferences.uoh.edu.sa/Conference/SENZE'25

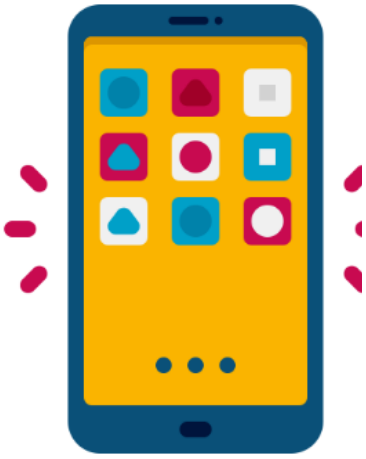
- 7th International Conference on Frontier Technologies of Information and Computer (ICFTIC 2025)
  November 07 – 09, 2025, Qingdao, China
  https://www.icftic.org/
- 7th EAGE Rock Physics Workshop
  November 10 – 12, 2025, Cape Town, South Africa
  https://eage.eventsair.com/seventh-eage-rock-physics-workshop/
- 4th International Conference on Computational Intelligence and Knowledge Economy
  November 27 –28, 2025, Dubai, UAE
  https://amityuniversity.ae/ICCIKE2025/

TECH AND TRADE OFFERS

Mesh

About Mesh

Mesh technologies GB is IT based Solution Company Established in the year 2022. Mesh Technologies was established to deliver the best IT Solutions in Gilgit-Baltistan. The aim of Mesh Technologies is to train the Youth of Gilgit Baltistan with IT skills and to provide opportunities to earn by providing IT solutions in GB and freelancing.



Our products

Meal Drop GB
Point of Sale (POS)
Learning Management System

Our Services

Web hosting:
Get your website online with our reliable web hosting services. We offer a range of plans to suit your needs, backed by 24/7 support and uptime guarantee.

Web development:
Get a custom-built website tailored to your needs. Our expert web developers use the latest technology to deliver high-quality, scalable solutions.

Mobile Application development:
Transform your ideas into engaging mobile apps. Our skilled mobile app developers create powerful and intuitive apps for Android and iOS platforms.

Contact us

Address:
Office # B-118 Dar Plaza Gilgit, Gilgit-Baltistan **Phone:** +92 355 4228475
Email: info@meshtgb.com **Web**: https://meshtgb.com/

MEGAESHOP

About MEGAESHOP

As a proud Pakistani company, we've been serving our community since 2016. Our passion for technology and innovation led us to establish this online store, bringing the latest electronics components to your doorstep.

We've grown to offer a diverse range of products, from tech gadgets to everyday essentials. We're committed to supporting local businesses and providing our customers with a convenient and reliable shopping experience.

Our products

Computer and office accessories
Connectors and terminals
Consumer electronics
Electronic components
Home and living accessories
Integrated circuits
Men shaving and grooming products
Mobile phone accessories
Sports and outdoor entertainment





About PASTIC

PASTIC serves as a gateway for Scientific & Technological Information for R&D by catering to the information needs of researchers, entrepreneurs, industrialists, educationists, policy makers and planners through anticipatory and responsive information services.

Technology Information Section works exclusively for support and promotion of technological information on trade and industry in the country.

"Technology Roundup" is a news bulletin that provides latest and innovative technology news, and forthcoming events. It also promotes products, technologies and services globally in sectors such as Agro Industry, Bio-Technology, Building Material, Business, Chemicals, Electronics, Energy, Fisheries, Food Processing, Machinery, Packaging, Mining, Pharmaceuticals and Textiles.

Please give us your feedback and address queries to tis.pastic@gmail.com

Contact us:

Address:
SF-176, Deans Trade Center, Peshawar
Contact: +923209199444
Web: https://megaeshop.pk/