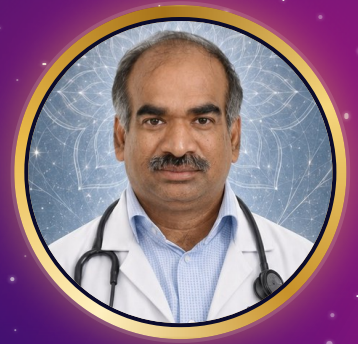


Journal of the AI Universe

DAILY AI RESEARCH TRACK

25 October 2026

50 CATEGORIES · 01-50 · EVERY ITEM LINKED TO ITS SOURCE



CURATED BY
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Today's highlights

- In 30,678 ICU sepsis patients, greater disagreement with an RL treatment model went with higher 90-day mortality in the sickest (04)
- Protein language models predict residue pKa from sequence alone with errors near 0.5 units (32)
- Adaptive testing gave PHQ-8 and GAD-7 scores from a median of two questions per scale, $r = 0.996$ (17)
- A hybrid AI model makes China's air-quality projections to 2060 over 99% cheaper and finds three phases ahead (34)
- A trial with 133 patent attorneys found AI helped juniors at once, but only seniors kept the gains without it (06)

INDIA & ANDHRA PRADESH AI HIGHLIGHTS

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01

INDUSTRIES & SECTORS · 25 OCT 2026

AI Filmmaking

A leading stop-motion studio rejects generative AI, while researchers build agents that plan camera moves and keep AI video on a set camera path.

RESEARCH, INDUSTRY & POLICY

- [Laika's Travis Knight calls generative AI 'antithetical' to the studio](#)
Deadline · 22 Oct 2026: The Laika chief, who directed 'Wildwood', says generative tools run against the studio's handmade craft and hopes people recognise the danger.

JOURNALS & PREPRINTS

- [FilmFlow: Agentic System for 3D Virtual Film Cinematography](#)
arXiv 2610.30753 · 22 Oct 2026: FilmFlow splits cinematography among director, interpreter, scout and critic agents that turn a text brief or reference clip into camera paths in 3D scenes, tested on a new CinemaBench. *Evidence: Preprint*
- [WorldForge V2: Eliciting Camera-Trajectory Alignment in Video Diffusion Models](#)
arXiv 2610.31640 · 22 Oct 2026: A training-free method guides existing video diffusion models with warped reference frames and motion cues so generated clips follow a chosen camera path more closely. *Evidence: Preprint*

WHY IT MATTERS

Hand-made studios are drawing a clear line, even as research tools for AI camera work get more precise.

02

INDUSTRIES & SECTORS · 25 OCT 2026

AI Agriculture

Food-safety and livestock tools get practical tests: lasers plus machine learning screen tomatoes for pesticides, and phone photos of cattle muzzles replace ear tags.

RESEARCH, INDUSTRY & POLICY

- [Bayer Crop Science builds a multi-agent decision engine on AWS](#)
AWS Machine Learning Blog · 23 Oct 2026: Bayer layered cooperating AI agents on Amazon Bedrock AgentCore over its existing decision engine to run machine-learning workflows for plant breeding.
Evidence: Company announcement

JOURNALS & PREPRINTS

- [Detection of chlorine-containing pesticide residues on tomatoes by machine learning on LIBS data](#)
Food Chemistry · 22 Oct 2026: In a University of Szeged pilot, laser-induced breakdown spectra from treated tomatoes were sorted by simple classifiers, telling five pesticides apart with up to about 90% balanced accuracy.
Evidence: Peer-reviewed
- [An offline deep learning model for bovine muzzle identification](#)
BMC Veterinary Research · 19 Oct 2026: A YOLOv8 and EfficientNetV2 pipeline matches cattle by muzzle pattern without internet access; it did well on a public dataset but less well on smallholder phone photos, so it is not yet field-ready. *Evidence: Peer-reviewed*

WHY IT MATTERS

Fast, cheap screening at the farm and market could make food safety and traceability checks routine.

03

INDUSTRIES & SECTORS · 25 OCT 2026

AI Defence

Underwater sensing improves: a self-supervised method cleans speckle and blur from multibeam sonar without needing clean training images.

JOURNALS & PREPRINTS

- [Self-Supervised Multibeam Sonar Restoration via Coherent Forward Modeling](#) arXiv 2610.31490 · 22 Oct 2026: Cleans speckle and blur from multibeam sonar by learning from sequences of noisy frames with a physical model of the sensor, so no clean reference images are needed. *Evidence: Preprint*

WHY IT MATTERS

Clearer sonar helps naval mine-hunting, harbour security and seabed survey work in murky water.

05

INDUSTRIES & SECTORS · 25 OCT 2026

AI Finance

Banks put AI agents to work on credit: TD drafts commercial credit memos in minutes, BNP Paribas signs a long Google Cloud deal, and a study tests how fast news goes stale for trading models.

RESEARCH, INDUSTRY & POLICY

- [TD launches Credit Assist for commercial lending](#) Global Fintech Series · 23 Oct 2026: TD Bank U.S. says its multi-agent tool drafts six cited sections of a credit memo in under 30 minutes instead of up to three days, for review by its credit staff. *Evidence: Company announcement*
- [BNP Paribas signs five-year Google Cloud AI deal](#) Intelligent CIO Europe · 23 Oct 2026: The bank will use Gemini models and Gemini Enterprise to build agents first for corporate and institutional banking, including credit, trading and research. *Evidence: Company announcement*

JOURNALS & PREPRINTS

- [When News Gets Old: Portfolio Allocation with Reinforcement Learning and Large Language Models](#) arXiv 2610.30564 · 22 Oct 2026: Comparing RL and LLM portfolios built on news from SEC filings over 2023–25 after costs, timing data gave RL no steady edge, while dropping stale news gave the LLM its best return. *Evidence: Preprint*

WHY IT MATTERS

Lending is a natural fit for document-heavy AI, but human review of credit decisions stays essential.

News summary only, not financial advice.

04

INDUSTRIES & SECTORS · 25 OCT 2026

AI Healthcare

Clinical AI is being judged against real care: a sepsis study links disagreement with an RL model to outcomes, and a preprint reads heart mechanics from a standard ECG.

JOURNALS & PREPRINTS

- [Discordance between actual care and recommendations by a reinforcement learning model for sepsis](#) npj Health Systems · 22 Oct 2026: Comparing ICU teams' fluid and vasopressor choices with the 'AI Clinician' across 30,678 sepsis patients, larger gaps went with higher 90-day mortality only in the sicker group. *Evidence: Peer-reviewed*
Study design: Retrospective ICU cohort analysis; **Sample size:** 30,678 patients, 309,415 time-epochs; **Outcomes:** 90-day mortality
Key finding: In patients with SOFA scores of 6 or more, greater disagreement with the RL model was linked to higher 90-day mortality (adjusted OR 1.11); not in less sick patients. **Significance:** Clinical: offers a way to audit treatment-recommending AI against real ICU decisions at scale. **Takeaway:** Observational; it shows association, not that following the model would save lives.
- [ECG-derived synthetic left ventricular mechanics predict mortality after myocardial infarction](#) medRxiv · 24 Oct 2026: A previously validated generative network estimated heart-wall motion measures from the 12-lead ECG, then tested them against deaths in a heart-attack cohort of 1,065 and a population cohort of 219,564. *Evidence: Preprint*

WHY IT MATTERS

Testing AI against what clinicians actually did, and against hard outcomes, is the evidence hospitals need before trusting it.

Research summary only, not medical advice.

06

INDUSTRIES & SECTORS · 25 OCT 2026

AI Law & Investigation

A field trial shows AI helps junior patent attorneys at once but may slow their growth, and a new dataset maps how France's top civil court answers appeals.

RESEARCH, INDUSTRY & POLICY

- [AI lifts junior patent attorneys but may stunt their growth](#) The Decoder · 24 Oct 2026: An NBER working paper ran a three-month randomised trial with 133 attorneys at 11 US firms using Google's unreleased InFlow tool; when the AI was removed, only senior staff kept the gains. Google funded the study. *Evidence: Preprint*

JOURNALS & PREPRINTS

- [A Grammar of French Civil Cassation: A Ground-Level Dataset and Tool](#) arXiv 2610.31116 · 22 Oct 2026: Builds a dataset of 121,536 grounds and the court's reasons from 86,464 French Court of Cassation civil rulings (2016–2025) to show which kinds of appeal argument succeed. *Evidence: Preprint*

WHY IT MATTERS

Firms adopting legal AI may need training plans so juniors still build the skills the tools now cover.

News summary only, not legal advice.

07

INDUSTRIES & SECTORS · 25 OCT 2026

AI Commerce

A new benchmark tests shopping agents against tens of thousands of real user sessions before they are trusted with real carts.

JOURNALS & PREPRINTS

- [UserArena: Benchmarking Interactive User Simulation for Long-Horizon Shopping Agents](#) arXiv 2610.30932 · 22 Oct 2026: Uses 64,729 real shopping sessions from 11,010 users to build simulated shoppers for testing long-running shopping agents, checked against a live A/B test. *Evidence: Preprint*

WHY IT MATTERS

Before agents buy for us, they need realistic tests and clear limits on what they may spend.

09

INDUSTRIES & SECTORS · 25 OCT 2026

AI Architecture

Architects weigh speed against judgement: an AI agent turns old CAD details into Revit content, and leading firms debate what faster AI design means for clients.

RESEARCH, INDUSTRY & POLICY

- [Pirros's Mira agent converts legacy CAD details into Revit](#) ENGtechnica · 23 Oct 2026: Firms can rebuild old AutoCAD details as native Revit drafting views when a project needs them, with staff approving each result. *Evidence: Company announcement*
- [How are architects and designers navigating AI?](#) Metropolis · 23 Oct 2026: Roundtables with Gensler, Diller Scofidio + Renfro and others found clients pressing for shorter schedules, while designers argue AI should buy more thinking time.

WHY IT MATTERS

AI can speed up drawing work, but fees and schedules must still reflect design judgement.

08

INDUSTRIES & SECTORS · 25 OCT 2026

AI Journalism

Newsrooms look at making stories readable by AI agents, while researchers study AI reliance under deadline pressure and how to grade AI fact-checkers fairly.

RESEARCH, INDUSTRY & POLICY

- [Making news articles friendly to AI agents](#) WAN-IFRA · 24 Oct 2026: A report from Digital Media Europe, where Dmitry Shishkin spoke, on restructuring articles so agents can use them, noting that under 4% of ChatGPT users look for news there.

JOURNALS & PREPRINTS

- [I Was Just Too Busy: a newsroom game for studying AI reliance under time pressure](#) CHI PLAY · 22 Oct 2026: 'Daily Truth Gazette' makes players choose between writing, AI drafting and fact-checking on a tight daily budget; in a five-person pilot, AI drafts were used for most tasks. *Evidence: Peer-reviewed*
- [Rethinking the Evaluation of LLM Fact-Checkers](#) arXiv 2610.30504 · 21 Oct 2026: With 1,913 claims drawn from LLM answers on Japanese social-media rumours, six LLMs checked claims that directly answer a question less accurately than side claims. *Evidence: Preprint*

WHY IT MATTERS

If agents become a new route to readers, publishers must decide how their reporting is packaged and checked.

10

INDUSTRIES & SECTORS · 25 OCT 2026

AI Engineering

Engineering simulation reaches motorsport, while a survey finds construction firms gaining from AI but few scaling it.

RESEARCH, INDUSTRY & POLICY

- [Formula E names Comsol its multiphysics partner](#) DEVELOP3D · 23 Oct 2026: The series will use Comsol simulation, digital twins and AI-assisted modelling in its engineering work. *Evidence: Company announcement*
- [Bluebeam survey: AI pays off, but few firms scale it](#) Building Design + Construction · 21 Oct 2026: Of 750 US building-industry professionals, only 28% have AI in production and 7% across several core workflows.

WHY IT MATTERS

Most of the value of engineering AI is still locked in pilots; scaling needs skills and data more than new tools.

11

INDUSTRIES & SECTORS · 25 OCT 2026

AI Robotics

Assistive robots learn to read intent: a shared-control system predicts where a user wants to go, and a layered RL method keeps cobot motions safe.

JOURNALS & PREPRINTS

- [Robot Trajectron V2: a probabilistic shared control framework for navigation](#) *The International Journal of Robotics Research* · 24 Oct 2026: The system combines a learned model of a user's habits with noisy live commands to infer intent, tested with keyboard users and with brain-machine interface trials in monkeys. *Evidence: Peer-reviewed*
- [Multi-level DDPG reinforcement learning for safe trajectories of collaborative robots](#) *Frontiers in Artificial Intelligence* · 9 Oct 2026: A planner that adds waypoints and a safety correction step to RL control reported high success in simulation, though from a single training run. *Evidence: Peer-reviewed*

WHY IT MATTERS

Robots that share control with people must guess intent well and stay safe when they guess wrong.

13

INDUSTRIES & SECTORS · 25 OCT 2026

AI Transportation

Freight meets AI on stage in Chattanooga, while a benchmark asks whether small language models can be trusted to analyse aviation incidents.

JOURNALS & PREPRINTS

- [Can small language models be trusted for aviation safety analysis?](#) *Advanced Engineering Informatics* · 24 Oct 2026: A benchmark compares small language models of different sizes on real-world aviation incident narratives. *Evidence: Peer-reviewed*

CONFERENCES, WORKSHOPS & EVENTS

- [F3: Future of Freight Festival 2026](#) 27–28 Oct 2026 · The Signal, Chattanooga Choo Choo, Chattanooga, USA: FreightWaves' annual festival, with AI, autonomous trucking and freight technology on the agenda.

WHY IT MATTERS

Safety analysts want local models they can run privately, but only if they read incident reports reliably.

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INDUSTRIES & SECTORS · 25 OCT 2026

AI Energy

Grid forecasting gets sharper: sky-camera images feed a transformer for minute-ahead solar output, and a fusion model forecasts wind-farm clusters.

JOURNALS & PREPRINTS

- [An adaptive selector-based deep learning model for multi-step wind power cluster forecasting](#) *Engineering Applications of Artificial Intelligence* · 24 Oct 2026: The model picks and fuses features from several data sources to forecast output from groups of wind farms several steps ahead. *Evidence: Peer-reviewed*
- [GateFormer: Forecast-Space Decomposition for Intra-Hour Solar Irradiance Prediction from Sky Images](#) *arXiv 2610.30942* · 22 Oct 2026: A vision transformer reads sky-camera images with two output heads to forecast solar irradiance within the hour, helping grids plan for passing clouds. *Evidence: Preprint*

WHY IT MATTERS

Better short-term forecasts let grid operators use more wind and solar with less backup.

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INDUSTRIES & SECTORS · 25 OCT 2026

AI Manufacturing

Factory fault detection: a study compares event-based and time-series data for machine learning on a real production system.

JOURNALS & PREPRINTS

- [Event- vs. time-driven sequential data for ML-based reactive fault detection in manufacturing](#) *Journal of Intelligent Manufacturing* · 24 Oct 2026: Testing several models and windowing schemes, the authors weigh event logs, which have fewer duplicates, against bulky sensor time series and give practical advice. *Evidence: Peer-reviewed*

WHY IT MATTERS

Choosing the right data stream can make factory AI cheaper to train without losing accuracy.

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PEOPLE & LIFE STAGES · 25 OCT 2026

AI Kids

Texas sues to keep ChatGPT from minors, while researchers explore how AI pictures can help blind children share their stories.

RESEARCH, INDUSTRY & POLICY

- [Texas sues OpenAI to bar ChatGPT for minors](#) TDmonthly · 24 Oct 2026: Attorney General Ken Paxton filed on 23 Oct in Collin County, alleging weak age checks and parental controls under state consumer and child-online laws; the claims are untested.

JOURNALS & PREPRINTS

- [Opportunities for AI-enhanced visual story creation by blind and low-vision children](#) ASSETS 2026 · 23 Oct 2026: Interviews and probes with 10 blind and low-vision children and their parents found children wanted rich visual detail in AI images, partly so family and friends could picture their worlds. *Evidence: Peer-reviewed*

WHY IT MATTERS

Children's AI needs both firm age protections and designs that widen what children can do.

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PEOPLE & LIFE STAGES · 25 OCT 2026

AI Psychology

Mental-health measurement gets shorter and more local: adaptive testing cuts standard questionnaires to a couple of items, and small Korean models are rated by psychiatrists.

JOURNALS & PREPRINTS

- [Machine learning-based computerized adaptive testing of PHQ-8 and GAD-7 in psychiatric outpatients](#) Journal of Affective Disorders · 23 Oct 2026: Singapore researchers built adaptive versions that asked a median of two questions per scale yet matched full-scale scores almost exactly and tracked change over a year. *Evidence: Peer-reviewed*
Study design: Longitudinal outpatient cohort, 10-fold cross-validation; **Outcomes:** Agreement with full-scale scores and change detection
Key finding: Adaptive tests cut items by 66–71% while correlating 0.996–0.997 with full PHQ-8 and GAD-7 scores. **Significance:** Clinical: shorter symptom checks could make routine monitoring easier in busy outpatient clinics. **Takeaway:** Built and tested in one Singapore cohort; external validation is still needed.
- [Optimising small local language models for culturally competent mental health counselling](#) JMIR AI · 17 Sep 2026: Three 7–8B Korean-tuned models trained on 1,558 app counselling exchanges were compared with GPT-4o by 10 psychiatrists across 50 scenarios. *Evidence: Peer-reviewed*

WHY IT MATTERS

Shorter, private and culturally fitted tools could widen access, but they need careful clinical checks.

Research summary only, not medical advice.

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PEOPLE & LIFE STAGES · 25 OCT 2026

AI Geriatric

Two studies look at older adults and AI: who is left offline across five countries' cohorts, and how people with dementia want to shape chatbots.

JOURNALS & PREPRINTS

- [Machine learning classification of digital exclusion in ageing populations across five cohorts](#) npj Digital Medicine · 6 Oct 2026: Across 71,689 older adults, gradient boosting identified people not using the internet only slightly better than logistic regression; exclusion ranged from 20% in Denmark to 79% in Poland. *Evidence: Peer-reviewed*
- ['We don't fit into algorithms of AI': co-customising chatbots with people living with MCI and dementia](#) ASSETS 2026 · 23 Oct 2026: Focus groups found people with mild cognitive impairment keen to tailor dementia-information chatbots, but facing barriers to taking part directly. *Evidence: Peer-reviewed*

WHY IT MATTERS

As services go digital, older people offline risk being left out unless they help design the tools.

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PEOPLE & LIFE STAGES · 25 OCT 2026

AI Education

India's NCERT adds an AI and computational-thinking module for senior school, and teachers of blind students describe how they teach with generative AI.

RESEARCH, INDUSTRY & POLICY

- [NCERT's new AI module for Classes 9–12](#) Indian Express · 24 Oct 2026: The activity-based module on computational thinking and AI, aligned with NEP 2020, works with or without devices and covers data privacy, misinformation and fairness. *India*

JOURNALS & PREPRINTS

- [Towards accessible AI literacy: how teachers of blind and low-vision students use generative AI](#) ASSETS 2026 · 23 Oct 2026: Interviews with 17 teachers found them using AI for lesson planning and teaching prompt skills, while worrying that students may lose core accessibility skills. *Evidence: Peer-reviewed*

WHY IT MATTERS

AI literacy is becoming a school subject; it must reach every learner, including those with disabilities.

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PEOPLE & LIFE STAGES · 25 OCT 2026

AI Work & Employment

An open index estimates how much work AI agents could take on in 146 countries, and India's commerce minister talks of 'AI-proof' trades.

RESEARCH, INDUSTRY & POLICY

- ♦ [Goyal: ministry identifying 'AI-proof' professions](#) YourStory · 24 Oct 2026: Speaking in Germany, Piyush Goyal named handicrafts, handloom, culinary arts and tourism as areas where India could lead because they are hard to automate. *India*

JOURNALS & PREPRINTS

- ♦ [The Delegation Divide: An Open Index of AI-Agent Delegability across Occupations and Countries](#) arXiv 2610.30752 · 22 Oct 2026: Maps 18,796 tasks across 146 countries and estimates 35.2% of work time is partly delegable to AI agents but only 2.5% fully, with poorer countries far less exposed. *Evidence: Preprint*

WHY IT MATTERS

Knowing which tasks agents can take over helps countries plan skills and jobs policy.

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PEOPLE & LIFE STAGES · 25 OCT 2026

AI Sports & Fitness

Athletes start licensing AI likenesses, and a forecasting model predicts players' paths and body poses together.

RESEARCH, INDUSTRY & POLICY

- ♦ [Socceroo Cristian Volpato licenses his AI 'synthetic twin'](#) The Guardian · 24 Oct 2026: The 22-year-old has authorised AI-generated social-media videos of himself, the latest athlete to license and earn from an AI likeness.

JOURNALS & PREPRINTS

- ♦ [Unified Trajectory and 3D Pose Forecasting for Multi-Agent Sports Analysis](#) arXiv 2610.30519 · 21 Oct 2026: Forecasts team players' movements and 3D body poses together, and fixes an evaluation bias caused by overlapping test sequences. *Evidence: Preprint*

WHY IT MATTERS

Image rights are becoming AI rights; athletes who set terms early keep control of their likeness.

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CULTURE & BELIEF · 25 OCT 2026

AI Spirituality

Faith communities weigh AI: a church-technology strategist on what it means for congregations, and a bishop on memory and being human.

RESEARCH, INDUSTRY & POLICY

- ♦ [Building AI tools for churches and Bible questions](#) Religion Unplugged · 23 Oct 2026: Bobby Ross Jr. talks with Wes Woodell, a Tennessee ministry-technology strategist who founded Connect My Church, about what AI means for congregations.
- ♦ [Bishop John Dolan on what it means to be human in the age of AI](#) National Catholic Reporter · 23 Oct 2026: An opinion piece that turns to Descartes to ask what it means to remember a person when machines can store so much about us.

WHY IT MATTERS

Religious communities are both adopting AI and asking what it means for the person.

22

CULTURE & BELIEF · 25 OCT 2026

AI Mythology

Ancient legends meet AI cinema: a Chinese film set around Sanxingdui artefacts opens, and Hyderabad film-makers ask if Indian mythology can become a global story-world.

RESEARCH, INDUSTRY & POLICY

- ♦ [China's AI-made film 'Sanxingdui' reaches cinemas](#) CGTN · 23 Oct 2026: The 100-minute science-fiction film draws on the ancient Shu culture of the Sanxingdui site; humans wrote and directed it while AI generated the images over two years.
- ♦ [Can Indian mythology become the next global storytelling universe?](#) The Times of India · 23 Oct 2026: At a Hyderabad gathering, producer Dil Raju and others said AI could let small teams bring Indian myths and folklore to world audiences. *India*

WHY IT MATTERS

AI lowers the cost of epic visuals; the test is whether it serves the stories with care.

23

CULTURE & BELIEF · 25 OCT 2026

AI Music & Arts

Music rights holders take AI training to court again, YouTube finds most young creators use AI, and a new metric checks text-to-music detail by detail.

RESEARCH, INDUSTRY & POLICY

- [Elvis Presley music owners sue Anthropic](#) Billboard · 24 Oct 2026: The suit, filed on 23 Oct with Richard Busch as lead lawyer, alleges that 274 copyrighted songs were used to train AI models; the claims are untested.
- [YouTube report on AI in user videos](#) Music Ally · 23 Oct 2026: YouTube's Culture & Trends survey of about 700 US posters aged 14–44 found 72% using AI on videos or images.

JOURNALS & PREPRINTS

- [MQAScore: Fine-Grained Text-Music Alignment Evaluation via Large Audio Language Model](#) arXiv 2610.31083 · 22 Oct 2026: Scores how well generated music matches its text prompt by asking an audio language model simple yes-or-no questions on five aspects, rather than one overall similarity score. *Evidence: Preprint*

WHY IT MATTERS

Courts will shape what music AI can learn from, while creators are already using it widely.

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CULTURE & BELIEF · 25 OCT 2026

AI Literature

A new book asks whether AI will kill us, and a reviewer finds hope in how painting reinvented itself after photography.

RESEARCH, INDUSTRY & POLICY

- ['Will AI Murder Us All?': review of Aakash Singh Rathore's book](#) Scroll · 24 Oct 2026: Saikat Majumdar reads the book as a study of human moral psychology, ending in the hope that art can reinvent itself as painting did after the camera. *India*

WHY IT MATTERS

Writers are turning AI anxiety into questions about our own choices.

25

CULTURE & BELIEF · 25 OCT 2026

AI Languages & Translation

Speech recognition reaches more languages: a Nepali-English podcast benchmark and an open model covering 51 African languages.

JOURNALS & PREPRINTS

- [Synthetic-to-Real Code-Switched ASR: A Spontaneous Nepali-English Podcast Benchmark](#) arXiv 2610.30860 · 22 Oct 2026: Releases a Nepali-English podcast benchmark of 13,044 utterances (15.45 hours) and shows training on synthetic speech, then reinforcement tuning, helps code-switched recognition. *Evidence: Preprint*
- [Group Relative Policy Optimisation Improves Multilingual Speech Recognition in Low-Resource Languages](#) arXiv 2610.30663 · 22 Oct 2026: Reinforcement tuning of Whisper across 51 African languages produced SunflowerASR, which had the lowest average word error on two African speech benchmarks. *Evidence: Preprint*

WHY IT MATTERS

Code-switching and low-resource languages are where most of the world's speakers are still poorly served.

26

CULTURE & BELIEF · 25 OCT 2026

AI Fashion & Beauty

Beauty retail turns to AI looks: a face-analysis tool suggests whole make-up looks from a brand's own catalogue.

RESEARCH, INDUSTRY & POLICY

- [Arbelle launches AI Look Finder](#) Business Wire via Yahoo Finance · 22 Oct 2026: Visage Technologies' beauty brand analyses facial features and complexion to recommend coordinated, shoppable make-up looks with virtual try-on. *Evidence: Company announcement*

WHY IT MATTERS

Personal advice can lift sales, but face analysis needs clear consent and privacy rules.

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CULTURE & BELIEF · 25 OCT 2026

AI Travel & Hospitality

Airlines adopt booking agents: Air India lets loyalty members plan trips by voice or text.

RESEARCH, INDUSTRY & POLICY

- [Air India launches agentic 'eZ Booking'](#) TravelIndustry.News · 23 Oct 2026: Maharaja Club members can speak or type travel wishes and get a ready itinerary they can change the same way; a mobile version is planned. *Evidence: Company announcement · India*

WHY IT MATTERS

Booking by conversation could shift who controls the customer, from travel sites to the airlines themselves.

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CULTURE & BELIEF · 25 OCT 2026

AI Gaming & Immersive Worlds

Game studies test AI characters: voice matters more than personality for immersion, and players are split on open-ended typed chat.

JOURNALS & PREPRINTS

- [Voice over persona: dialogue modality drives engagement with LLM-driven game agents](#) CHI PLAY · 22 Oct 2026: In a detective-game study with 23 students, talking to the AI mentor by voice raised immersion and engagement more than changing its empathy. *Evidence: Peer-reviewed*
- [Typing vs. dialogue trees: do players want open-ended LLM conversations in games?](#) CHI PLAY · 22 Oct 2026: In a 32-player RPG test, people spent three times longer with AI characters, often testing their limits, but immersion did not rise and preferences split evenly. *Evidence: Peer-reviewed*

WHY IT MATTERS

AI characters need careful design; open conversation is not automatically more fun.

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CULTURE & BELIEF · 25 OCT 2026

AI Marketing & Advertising

Ads inside AI assistants raise new questions: OpenAI will auto-edit advertisers' creatives unless they opt out, and theorists design fair auctions for chatbot ads.

RESEARCH, INDUSTRY & POLICY

- [OpenAI to apply automatic 'creative enhancements' to ads](#) AdExchanger · 23 Oct 2026: From 30 Oct, OpenAI will change advertisers' existing ads, potentially including headlines and links, unless they switch the feature off. *Evidence: Company announcement*

JOURNALS & PREPRINTS

- [Truthful by Omission: Click Thinning for LLM-Native Advertising](#) arXiv 2610.30999 · 22 Oct 2026: Proposes an auction for ads inside chatbot answers that deliberately drops some clicks so advertisers gain nothing by misreporting value, with a guaranteed share of welfare. *Evidence: Preprint*

WHY IT MATTERS

When AI rewrites ads by default, brands must watch closely what is shown in their name.

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SCIENCE · 25 OCT 2026

AI Research & Innovation

AI for science gets more exact: neural wavefunctions now respect electron spin, and a study finds the most accurate AI judge is not always the best trainer.

JOURNALS & PREPRINTS

- [Spin-adapted neural network wavefunctions in real space](#) Nature Communications · 24 Oct 2026: A method called SAAM builds exact spin symmetry into neural-network quantum Monte Carlo and resolves closely spaced spin states in iron-sulfur clusters. *Evidence: Peer-reviewed*
Key finding: Enforcing exact total spin in neural wavefunctions resolved low-lying spin states of [Fe₂S₂] and [Fe₄S₄] clusters without extra tuning.
Significance: Iron-sulfur clusters are central to enzymes and hard for standard methods; physics-aware networks can reach them. **Takeaway:** A principled way to build physical rules into neural models for chemistry.
- [Scaling Laws for Generative Reward Models](#) arXiv 2610.30765 · 22 Oct 2026: Studies scaling of AI reward judges and finds that step-by-step 'thinking' judges score better on fixed tests, yet answer-only judges trained better models in seven of eight settings. *Evidence: Preprint*

WHY IT MATTERS

Building physical laws into AI models makes them more trustworthy for real science.

31 SCIENCE · 25 OCT 2026 AI Space & Cosmos

ESA's AI, trained on gamers' crater marks, maps small lunar craters for safe landings, and neural emulators help classify supernova explosions.

RESEARCH, INDUSTRY & POLICY

- **Spot the craters: ESA AI maps small lunar craters** ESA · 23 Oct 2026: An ESA model trained on craters marked by players of its IMPACT game flagged 3,192 possible craters, 6–180 m across, in one small patch of the Moon. *Evidence: Laboratory demonstration*

JOURNALS & PREPRINTS

- **Quantitative modelling of type Ia supernova spectral time series II** Monthly Notices of the Royal Astronomical Society · 24 Oct 2026: The 'riddler' framework uses neural networks as stand-ins for radiative-transfer models so many supernova spectra can be fitted and matched to explosion scenarios. *Evidence: Peer-reviewed*

WHY IT MATTERS

AI is turning slow expert mapping and model-fitting in space science into routine work.

33 SCIENCE · 25 OCT 2026 AI Neuroscience

Brain models meet machine learning: an RL arbitration model links decision styles to compulsivity, and image-memorability AI diverges from people under noise.

JOURNALS & PREPRINTS

- **Reliability-based arbitration reveals heterogeneous RL strategies linked to compulsivity and impulsivity** Nature Communications · 24 Oct 2026: The study models how people switch between planning and habit depending on reliability, and links individual patterns to compulsive and impulsive traits. *Evidence: Peer-reviewed*
- **The impact of noise on memorability in minds and machines** bioRxiv · 24 Oct 2026: Deep networks that estimate how memorable images are reacted to added noise differently from people, whose memory for highly memorable images held up better. *Evidence: Preprint*

WHY IT MATTERS

Where AI and brains diverge tells us both how to build better models and how memory works.

32 SCIENCE · 25 OCT 2026 AI Biotechnology

Protein language models now predict how acidic each amino acid is, and the UK sets up an AI biosecurity lab.

RESEARCH, INDUSTRY & POLICY

- **UK funds £100m AI biosecurity lab** The Next Web · 24 Oct 2026: The government will put £100m into an independent non-profit lab, with OpenAI and Anthropic adding up to £200m between them, to tackle AI-enabled biological risks.

JOURNALS & PREPRINTS

- **Predicting protein electrostatics with protein language models** Nature Communications · 24 Oct 2026: KaML-ESM models predict residue pKa values from sequence alone with errors near 0.5 units, then apply them across the human proteome to spot functional sites. *Evidence: Peer-reviewed*
Key finding: Sequence-only models predicted pKa with about 0.5-unit error for six residue types in native proteins, but did worse on buried engineered mutations. **Significance:** Shows evolutionary sequence data also carry electrostatic information useful for enzyme and drug design. **Takeaway:** A free tool for protein engineering, with clear limits on unusual designed proteins.

WHY IT MATTERS

Better protein models speed drug and enzyme design; biosecurity work must grow with them.

34 SCIENCE · 25 OCT 2026 AI Environment

A hybrid deep-learning model makes air-quality projections for China to 2060 over 99% cheaper and finds three phases in pollution change.

JOURNALS & PREPRINTS

- **Three-phase transition in China's future air quality revealed by large-ensemble AI projections** Environmental Science & Technology · 25 Sep 2026: A hybrid model stands in for costly chemistry simulations, enabling daily projections to 2060 across six emission paths and many climate models. *Evidence: Peer-reviewed*
Key finding: Cutting simulation cost by over 99% revealed that China is likely to move from falling PM2.5 with stubborn ozone to joint improvement, then ozone-led gains. **Significance:** Cheap large ensembles let planners test clean-air pathways against climate uncertainty. **Takeaway:** An ageing population pulls against cleaner air, so health gains need aggressive emission cuts.

WHY IT MATTERS

Fast AI emulators let environmental planners explore many futures instead of a few.

35

SCIENCE · 25 OCT 2026

AI Quantum Computing

Quantum meets AI in the cloud: Quantinuum and Oracle open early access to Helios alongside GPUs, and RL helps simulate excited quantum states.

RESEARCH, INDUSTRY & POLICY

- [Quantinuum and Oracle open OCI Quantum AI Compute beta](#) Quantum Computing Report · 23 Oct 2026: Selected companies and universities can test hybrid quantum-AI workflows on the Helios trapped-ion machine inside Oracle Cloud Infrastructure. *Evidence: Company announcement*

JOURNALS & PREPRINTS

- [Reinforcement learning-assisted quantum simulation of many-body excited states and real-time dynamics](#) Journal of Chemical Theory and Computation · 8 Sep 2026: A deep Q-network guides a contracted quantum eigensolver so it can reach excited states and time evolution, not only ground states. *Evidence: Peer-reviewed*

WHY IT MATTERS

Early hybrid access lets teams find which chemistry and AI tasks really benefit from quantum hardware.

36

AI TECH STACK · 25 OCT 2026

AI Semiconductors

Chip policy and chip design: the FCC bans its first devices under a chip-level rule, imec's chief says scaling is the real bottleneck, and new memory devices aim at on-chip training.

RESEARCH, INDUSTRY & POLICY

- [FCC bans first devices under its chip-level rule](#) Tom's Hardware · 23 Oct 2026: A dashcam and a wireless video transmitter were barred because they use a HiSilicon vision chip with an on-board neural engine; HiSilicon is on the FCC's Covered List.
- [imec CEO: scalability is AI's real bottleneck](#) Electronics Weekly · 23 Oct 2026: Patrick Vandenameele argues the next gains will come from combining logic, memory, interconnect and manufacturing, not from one heroic invention.

JOURNALS & PREPRINTS

- [Variability, symmetry and nonlinearity of protonic ECRAM for hardware neural-network training](#) ACS Nano · 23 Sep 2026: Measurements on protonic electrochemical memory report about 3% cycle-to-cycle and 21% device-to-device variation, with over a billion updates. *Evidence: Peer-reviewed*
- [FIGFLEX: A Mixed-Precision FP-INT GEMM Accelerator Co-Designed with Low-Bit LLM Quantization](#) arXiv 2610.30480 · 21 Oct 2026: An accelerator design that mixes floating-point and integer maths for low-bit quantised LLMs, so throughput rises as weight precision falls instead of only saving memory. *Evidence: Preprint*

WHY IT MATTERS

Rules now reach down to individual chips, while engineers rethink whole systems for AI.

37

AI TECH STACK · 25 OCT 2026

AI Foundation Models & Assistants

Assistants link up their tools: Gemini Notebook becomes a Connected App inside Gemini, and a new benchmark tests vision-language models on agent screenshots.

RESEARCH, INDUSTRY & POLICY

- [Gemini Notebook becomes a Connected App in Gemini](#) Android Authority · 24 Oct 2026: Users can type '@Gemini Notebook' to create, manage and query notebooks without leaving a Gemini chat; it is open to personal and Workspace accounts. *Evidence: Company announcement*

JOURNALS & PREPRINTS

- [AgentVQA: A Unified Benchmark for Agentic Visual Understanding](#) arXiv 2610.31494 · 22 Oct 2026: Gathers 1,000 hard examples from 23 datasets across web, robotics, egocentric video, games and spatial planning to test vision-language models offline in agent settings. *Evidence: Preprint*

WHY IT MATTERS

Assistants are becoming hubs that call other apps, so reliability across tools matters more.

38

AI TECH STACK · 25 OCT 2026

AI Coding & Developer Tools

AWS makes its code-security agent generally available, with a striking benchmark score that deserves a closer look.

RESEARCH, INDUSTRY & POLICY

- [AWS Continuum is generally available](#) The New Stack · 24 Oct 2026: AWS says its agent passed 819 of 920 CyberGym-E2E tasks (89%), against a previous best of 65.9%; The New Stack notes the run was published by AWS itself. *Evidence: Company announcement*

JOURNALS & PREPRINTS

- [When Code Gets Cheap, Evaluation Gets Scarce: An Experience Report on AI-Assisted Agile Software Engineering](#) arXiv 2610.30916 · 22 Oct 2026: An experience report in which one developer built a compliance-critical exam-grading system in three days without hand-writing code, finding that checking the code became the bottleneck. *Evidence: Preprint*

WHY IT MATTERS

Vendor benchmarks are a starting point; teams should test security agents on their own code.

39

AI TECH STACK · 25 OCT 2026

AI Cloud & Data Centres

Data centres meet local resistance on both sides of the Atlantic, while NVIDIA's European partners chase more output per watt.

RESEARCH, INDUSTRY & POLICY

- [Newport residents against a hyperscale data centre](#) *The Guardian* · 24 Oct 2026: Neighbours of a 23-metre data centre in south Wales say their views and quality of life were ignored, as UK opposition to such projects grows.
- [Amazon drops four data centres on a Loudoun County site](#) *Tom's Hardware* · 23 Oct 2026: After local objections, most of the 122-acre site will go to mixed-use and housing, with 25 acres donated and \$5m for affordable housing.
- [European partners adopt NVIDIA DSX AI factory platform](#) *Engineering.com* · 23 Oct 2026: NVIDIA says partners use the reference design to save power and cooling water; Nscale reports 49% more inference throughput in the same power budget.
Evidence: Company announcement

JOURNALS & PREPRINTS

- [Gandalf: Flash Shall Not Die! Increasing Flash Storage Lifetime for KV Cache Offloading in LLM Serving](#) *arXiv 2610.30791* · 22 Oct 2026: Gandalf decides which KV-cache data to write to SSD by attention type, cutting flash wear in LLM serving without giving up many cache hits. *Evidence: Preprint*

WHY IT MATTERS

Communities now shape where AI capacity can be built, making efficiency and local consent central.

40

AI TECH STACK · 25 OCT 2026

AI Telecom & Connectivity

Networks learn to manage themselves: LLMs help wireless digital twins evolve, and a survey maps security for AI agents in 6G.

JOURNALS & PREPRINTS

- [Large Language Models Meet Bayesian Optimization: Towards Self-evolving Wireless Digital Twins](#) *arXiv 2610.31192* · 22 Oct 2026: Pairs Bayesian optimisation with an LLM that decides when to keep or change parts of the optimiser, so wireless digital twins can adapt their own algorithms. *Evidence: Preprint*
- [Secure Agentic AI and Multimodal Intelligence in 6G Communication Systems](#) *arXiv 2610.30436* · 21 Oct 2026: Surveys security and privacy risks when AI agents handle multimodal data, tools and coordination in 6G networks, and sets out defences and open problems. *Evidence: Preprint*

WHY IT MATTERS

6G will rely on AI to run networks, so it also needs AI-aware security from the start.

41

AI TECH STACK · 25 OCT 2026

AI Consumer Devices & Wearables

Phones and wearables get smarter software: ColorOS 17 reaches OnePlus 15 early, a wrist agent sharpens heart-rate tracking, and Apple Silicon inference tricks are tested.

RESEARCH, INDUSTRY & POLICY

- [ColorOS 17 rolls out early to OnePlus 15 and Find X9](#) *Mint* · 24 Oct 2026: The Android 17-based update, with new AI features, began reaching these flagships ahead of the planned 29 Oct start, according to 91Mobiles. *India*

JOURNALS & PREPRINTS

- [An Agent Architecture with Tools and Memory for Selective Correction of Wrist PPG Heart Rate Estimates](#) *arXiv 2610.30688* · 22 Oct 2026: An agent with tools and memory decides when to correct wrist PPG heart-rate readings, lowering error by up to 44.5% during motion. *Evidence: Preprint*
- [Evaluating the Applicability of LLM Inference Optimizations on Apple Silicon](#) *arXiv 2610.31479* · 22 Oct 2026: Tests common LLM inference speed-ups on Apple Silicon: KV-cache pruning gave up to 1.75× gains, while speculative decoding actually slowed throughput. *Evidence: Preprint*

WHY IT MATTERS

On-device AI is arriving through software updates as much as new hardware.

42

SOCIETY & GOVERNANCE · 25 OCT 2026

AI Cybersecurity

AI joins the phishing fight in Microsoft Teams, Google clarifies how connected data can shape ads, and an open local RAG platform puts privacy first.

RESEARCH, INDUSTRY & POLICY

- [Microsoft Teams to get AI phishing detection](#) *BleepingComputer* · 23 Oct 2026: From early November, Teams will read conversation context, without keeping message content, to flag phishing and impersonation in risky chats such as first contact from outsiders. *Evidence: Company announcement*
- [Google: data shared with AI features may personalise ads](#) *The Hacker News* · 24 Oct 2026: An updated privacy policy says that if users let Search or Gemini use Gmail, Drive or Photos data, some of it may be used to tailor ads.

JOURNALS & PREPRINTS

- [MyGPT: a privacy-first, open-source retrieval-augmented generation platform](#) *Nature Communications* · 24 Oct 2026: The platform answers questions from a user's own documents with relevance scores and a hallucination indicator, designed to keep data private. *Evidence: Peer-reviewed*

WHY IT MATTERS

Security and privacy settings now hinge on what AI features are allowed to read.

43

SOCIETY & GOVERNANCE · 25 OCT 2026

AI Governance

Lawmakers act on AI: Pennsylvania requires labels on AI-made ads, and Britain's chancellor promises budget money for AI security.

RESEARCH, INDUSTRY & POLICY

- ◆ [Pennsylvania signs AI Deceptive Advertising Act](#) The Verge · 24 Oct 2026: Governor Josh Shapiro signed a law requiring a label on any ad, in any format, that was substantially changed or generated by AI.
- ◆ [Healey pledges budget money to harness AI for UK security](#) The Guardian · 24 Oct 2026: Chancellor John Healey says Wednesday's budget will put hundreds of millions into a British approach to AI, including the AI Security Institute and cyber resilience.

WHY IT MATTERS

Disclosure rules and public investment are the two main levers governments are pulling.

45

SOCIETY & GOVERNANCE · 25 OCT 2026

AI Ethics & Safety

Safety tools under review: probes for harmful intent get scaling laws, fairness monitoring uses survey design, and a moderation firm offers a guarantee as Perspective closes.

RESEARCH, INDUSTRY & POLICY

- ◆ [Hindsight backs its moderation AI with up to \\$1M guarantee](#) The Next Web · 23 Oct 2026: With Google Jigsaw shutting the Perspective toxicity API on 31 Dec, Hindsight pitches a replacement aimed at coded hate speech. *Evidence: Company announcement*

JOURNALS & PREPRINTS

- ◆ [Design-based fairness monitoring for healthcare prediction with complex survey data](#) Journal of Biomedical Informatics · 23 Oct 2026: Applied to US MEPS data from 2015 to 2023, the method found a widening racial and ethnic gap in a model's predictions over time. *Evidence: Peer-reviewed*
- ◆ [Scaling Laws for Safety Probes](#) arXiv 2610.30678 · 22 Oct 2026: Builds six new safety datasets and trains probes on 20 base models to show probe accuracy can be predicted from model size and label count before training. *Evidence: Preprint*

WHY IT MATTERS

Safety and fairness need tracking over time, not a one-off audit.

44

SOCIETY & GOVERNANCE · 25 OCT 2026

AI Social Impact

Accessibility research: LLMs fix some website barriers but miss alt text, and a blind researcher shows how to debug computer vision without sight.

JOURNALS & PREPRINTS

- ◆ [Evaluating large language models for web accessibility remediation in real-world websites](#) ASSETS 2026 · 23 Oct 2026: On 10 real websites, an open LLaMA model fixed more WCAG problems than GPT-5.5 and the two together did best, but both struggled with image descriptions. *Evidence: Peer-reviewed*
- ◆ [Debugging computer vision as a blind researcher](#) ASSETS 2026 · 23 Oct 2026: A legally blind PhD student describes building and debugging a smart-glasses tool for reading forms, and the methods that made the work possible. *Evidence: Peer-reviewed*

WHY IT MATTERS

AI can widen access, but only when people with disabilities test and shape it.

46

SOCIETY & GOVERNANCE · 25 OCT 2026

AI Smart Cities & Real Estate

Cities trial AI traffic control: Pimpri-Chinchwad tests adaptive signals, and Gangneung shows faster journeys and quicker emergency response.

RESEARCH, INDUSTRY & POLICY

- ◆ [PCMC to trial AI signals at two Moshi junctions](#) The Times of India · 23 Oct 2026: A seven-day trial on the Pune–Nashik highway will use existing CCTV to adjust signal timings to live traffic. *India*
- ◆ [Gangneung's AI traffic centre impresses UK delegation](#) TTF · 22 Oct 2026: The Korean city reports 24.2% faster citywide travel and emergency vehicles arriving about eight minutes sooner, using over 3,000 CCTV cameras.

JOURNALS & PREPRINTS

- ◆ [Learning to Incentivise: Using Reinforcement Learning for Sustainable Urban Mobility](#) arXiv 2610.30469 · 21 Oct 2026: Multi-agent reinforcement learning offers drivers incentives to take other routes, lowering total travel time and emissions in a simulated network where road pricing is not allowed. *Evidence: Preprint*

WHY IT MATTERS

Adaptive signals using existing cameras are one of the cheapest smart-city wins.

47

SOCIETY & GOVERNANCE · 25 OCT 2026

AI Startups & Investment

Robot learning draws big money: Eka Robotics raises \$150M, and a study counts the energy cost of AI doing paid work.

RESEARCH, INDUSTRY & POLICY

- ◆ [Eka Robotics raises \\$150M Series A](#) The Robot Report · 24 Oct 2026: The Cambridge, Massachusetts start-up builds a vision-force-action model trained with reinforcement learning and says its robots pick unfamiliar items at about 1,500 an hour.
Evidence: Company announcement

JOURNALS & PREPRINTS

- ◆ [Joules-to-GDP: How Much Economic Value Do AI Systems Produce per Unit of Energy?](#) arXiv 2610.30858 · 22 Oct 2026: Measures economic value per unit of energy for five open models on 220 GDPval tasks from 44 occupations and four accelerator types, finding the most valuable jobs are not always the most energy-efficient. *Evidence: Preprint*

WHY IT MATTERS

Investors are betting that physics-aware robot models can move beyond the lab into daily work.

News summary only, not investment advice.

48

FUTURE & FRONTIER · 25 OCT 2026

AI AGI & ASI

An agent-benchmark study asks whether frontier models can build and improve their own harness for ARC-AGI-3.

JOURNALS & PREPRINTS

- ◆ [Can LLMs Improve Their Own Harness? A Controlled Study on ARC-AGI-3](#) arXiv 2610.30499 · 21 Oct 2026: Asks whether frontier models can build and then improve their own agent harness for the interactive ARC-AGI-3 benchmark, without humans redesigning it.
Evidence: Preprint

WHY IT MATTERS

Self-improving scaffolds are a key step researchers watch on the road to more general AI.

49

FUTURE & FRONTIER · 25 OCT 2026

AI Consciousness

Machine minds and our own: a model that names mental states well still predicts behaviour poorly, and AI prompts that make people think improve writing.

JOURNALS & PREPRINTS

- ◆ [Diagnosing the Explicit-to-Applied Theory of Mind Gap in LLMs](#) arXiv 2610.31060 · 22 Oct 2026: Llama-3.1-8B names others' mental states correctly 99.4% of the time but uses them to predict behaviour only 28.9% of the time; the authors propose a method to narrow the gap. *Evidence: Preprint*
- ◆ [Metacognitive Scaffolds Create Productive Friction for AI-Assisted Knowledge Work](#) arXiv 2610.30945 · 22 Oct 2026: In a randomised study of 297 workers, AI prompts that made people reflect improved their writing and the gains lasted, even though users rated the AI less helpful. *Evidence: Preprint*

WHY IT MATTERS

Recognising a state of mind is not the same as using it; the gap matters for social AI.

50

FUTURE & FRONTIER · 25 OCT 2026

AI Future Frontiers

Brain-like hardware and self-running labs: a memristor array mimics the eye's centre-surround cells, and an AI system runs 3D graphics research on its own.

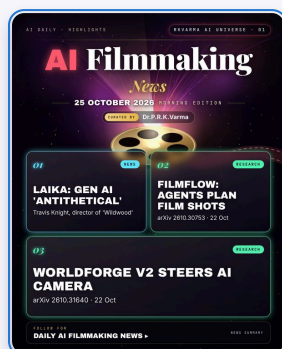
JOURNALS & PREPRINTS

- ◆ [Two-terminal memristor array with a vertical floating gate for centre-surround receptive-field networks](#) ACS Nano · 25 Sep 2026: A 16×16 array with 91.4% yield reproduces the excitatory and inhibitory pattern of early visual cells in hardware.
Evidence: Peer-reviewed
- ◆ [SplatLab: Autonomous Scientific Discovery for 3DGS Research](#) arXiv 2610.30468 · 21 Oct 2026: SplatLab reproduces a 3D Gaussian Splatting paper, proposes an extension, runs and logs experiments and drafts the paper, tying every number to a recorded run.
Evidence: Preprint

WHY IT MATTERS

Hardware that copies the brain, and AI that does research, could both change how discovery happens.

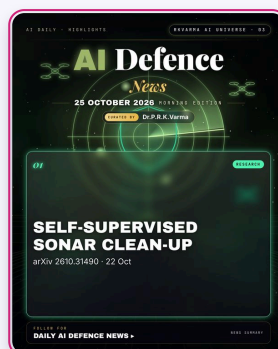
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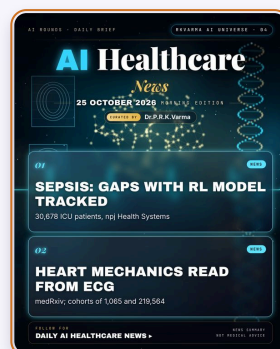
01 AI Filmmaking



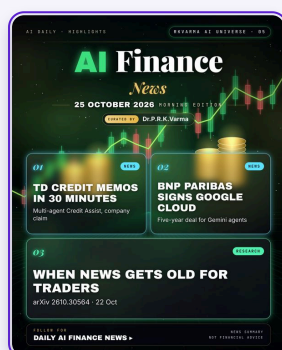
02 AI Agriculture



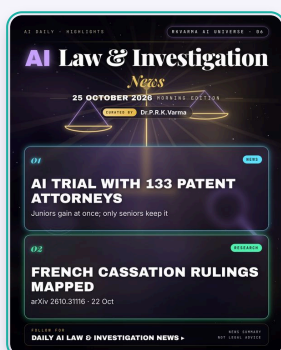
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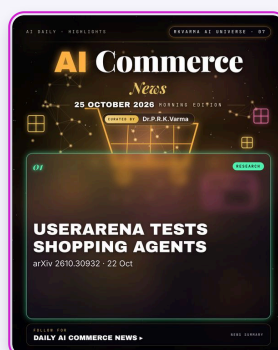
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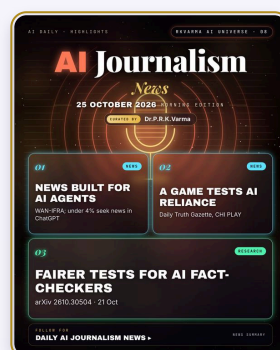
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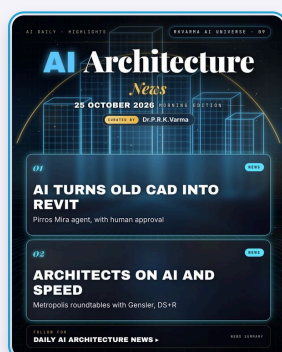
06 AI Law & Investigation



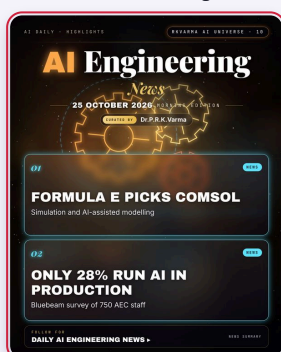
07 AI Commerce



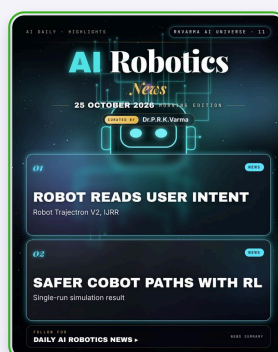
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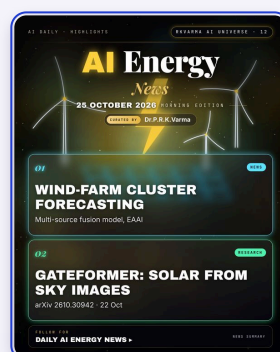
09 AI Architecture



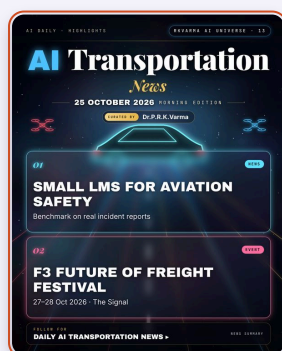
10 AI Engineering



11 AI Robotics



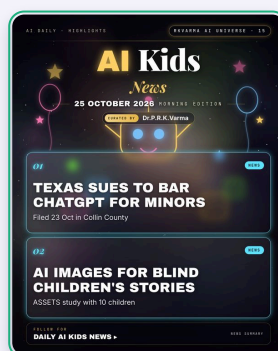
12 AI Energy



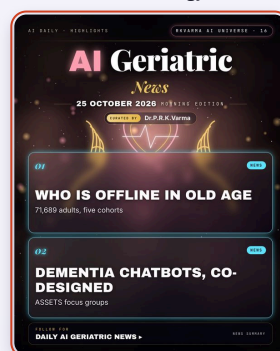
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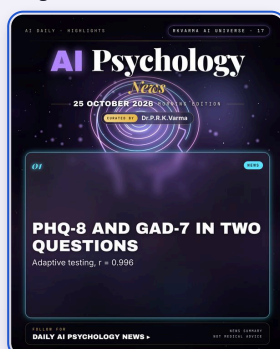
14 AI Manufacturing



15 AI Kids

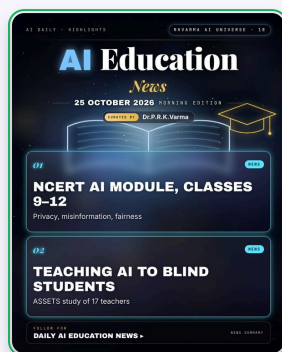


16 AI Geriatric

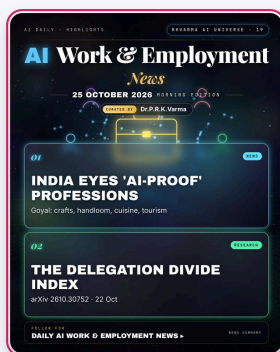


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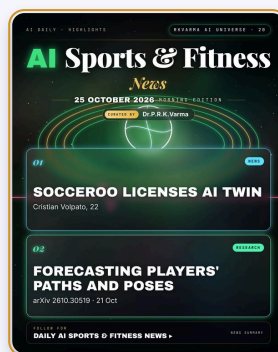
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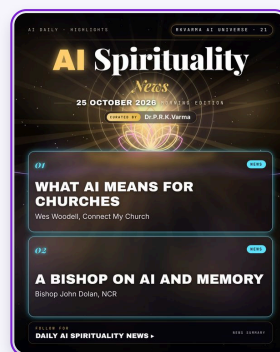
18 AI Education



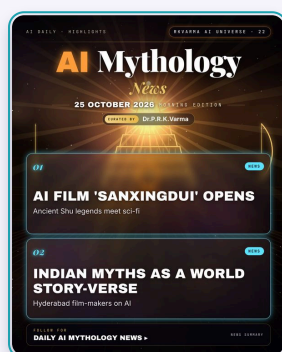
19 AI Work & Employment



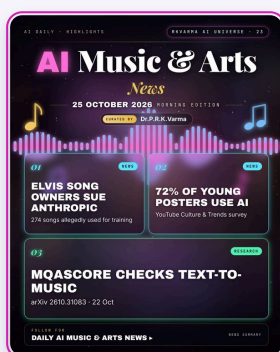
20 AI Sports & Fitness



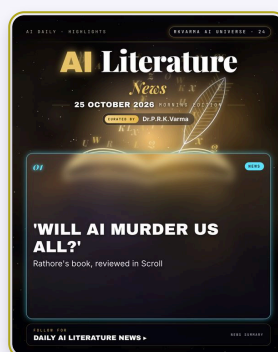
21 AI Spirituality



22 AI Mythology



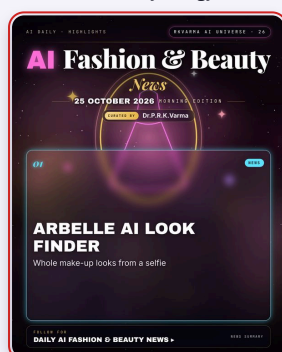
23 AI Music & Arts



24 AI Literature



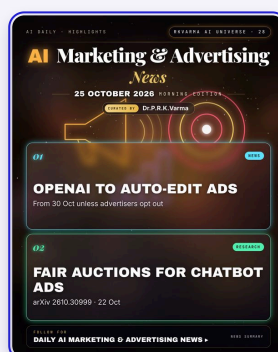
25 AI Languages & Translation



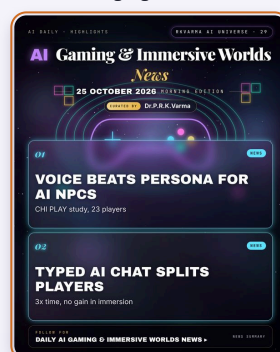
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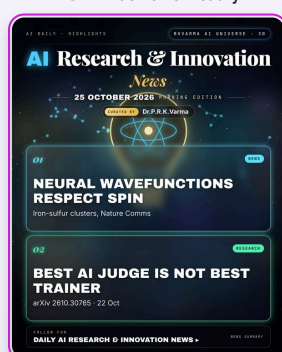
27 AI Travel & Hospitality



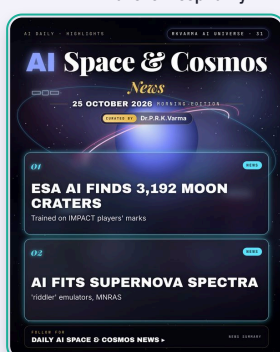
28 AI Marketing & Advertising



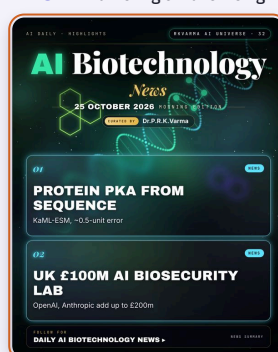
29 AI Gaming & Immersive Worlds



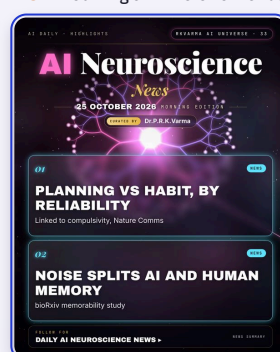
30 AI Research & Innovation



31 AI Space & Cosmos



32 AI Biotechnology



33 AI Neuroscience

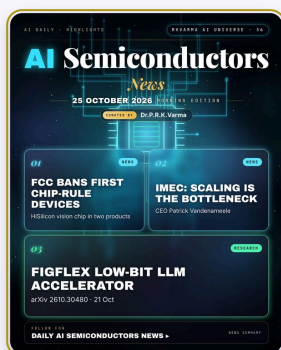


34 AI Environment

Poster Gallery



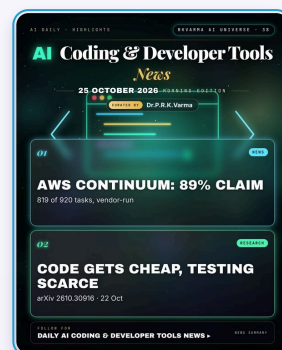
35 AI Quantum Computing



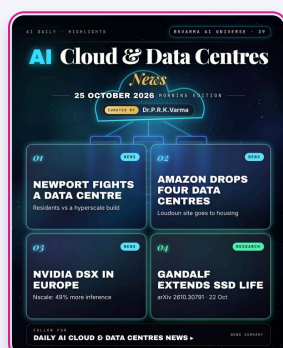
36 AI Semiconductors



37 AI Foundation Models & Assistants



38 AI Coding & Developer Tools



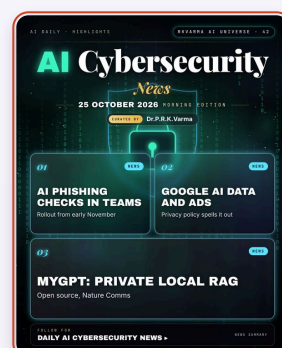
39 AI Cloud & Data Centres



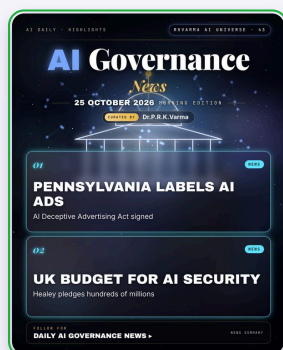
40 AI Telecom & Connectivity



41 AI Consumer Devices & Wearables



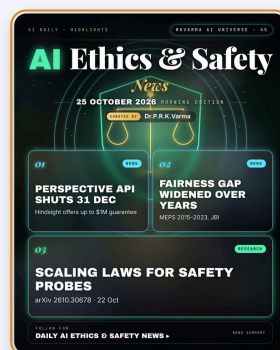
42 AI Cybersecurity



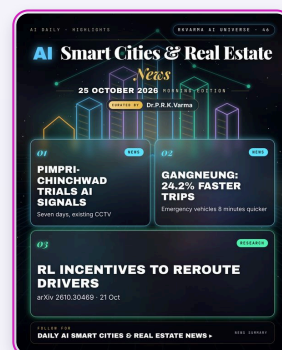
43 AI Governance



44 AI Social Impact



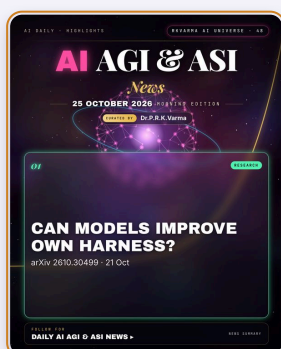
45 AI Ethics & Safety



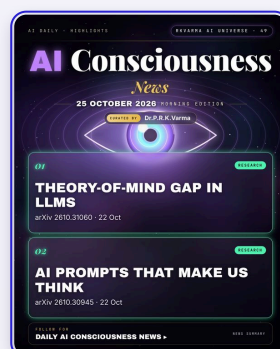
46 AI Smart Cities & Real Estate



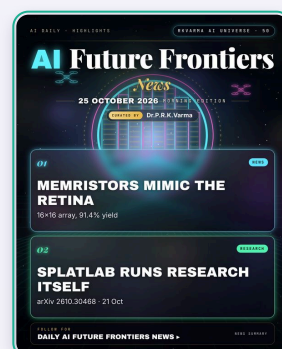
47 AI Startups & Investment



48 AI AGI & ASI



49 AI Consciousness



50 AI Future Frontiers