

# Journal of the AI Universe

Daily AI News Updates · 1 November 2026 · Curated by Dr.P.R.K.Varma

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164 headlines in 43 categories, 01-50 · Each item: headline, link, source, date and the source's reliability label. Read the full story at the source.

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## 01-14 Industries & Sectors

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### 01 AI Filmmaking

- [Studio Jadu unleashes AI-assisted supernatural thriller 'The Sentinels' for Halloween](#) AnimationXpress (India) · 31 Oct 2026 · Trade press

### 02 AI Agriculture

- [An agronomic-knowledge guided deep learning approach for plot-scale seed maize yield estimation using sentinel-2 satellite images](#) Artificial Intelligence in Agriculture · 31 Oct 2026 · Peer-reviewed
- [FDUNet-LRSA: efficient frequency-adaptive segmentation for automated crop disease inspection](#) Frontiers in plant science · 16 Oct 2026 · Peer-reviewed

### 03 AI Defence

- [Accelerate Deep Reinforcement Learning for Aerial Combat With Automated Engagement Curriculum Learning](#) IEEE transactions on neural networks and learning systems · 30 Oct 2026 · Peer-reviewed

### 04 AI Healthcare

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- [Understanding clinical reasoning variability in medical large language models: a mechanistic interpretability study](#) npj Digital Medicine · 31 Oct 2026 · Primary source
- [Predicting persistent fever in patients with cancer receiving antibiotics: a machine learning approach](#) npj Digital Medicine · 31 Oct 2026 · Primary source
- [XAI-ECGNet: an explainable hybrid CNN-BiLSTM framework for multi-label cardiac diagnosis classification from 12-lead ECG signals using the PTB-XL dataset](#) Nature – cardiology subject feed · 31 Oct 2026 · Primary source
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- [SIIM-CAIMI: Tech just one driver of AI's future in radiology](#) AuntMinnie · 30 Oct 2026 · Trade press
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- [The phone is still the front door: How 3 provider organizations made voice AI pay off](#) Becker's Hospital Review · 30 Oct 2026 · Trade press
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## 05 AI Finance

- [Philip R. Lane: AI adoption in Europe](#) ECB press · 30 Oct 2026 · Primary source
- [Digital financial literacy and trust in hybrid AI advisory: Explaining perceived private wealth management capability among digitally engaged retail investors in an emerging market](#) PloS one · 30 Oct 2026 · Peer-reviewed
- [AI-signaling premium in economics and finance research](#) Finance Research Letters · 31 Oct 2026 · Peer-reviewed

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## 06 AI Law & Investigation

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## 07 AI Commerce

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## 08 AI Journalism

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- [What Breaks When Facts Become Stories? The Distortions Source-Agreement Metrics Miss When Models Retell Real Events](#) arXiv (cs.AI) · 29 Oct 2026 · Preprint

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## 11 AI Robotics

- [Mapless UAV navigation in complex environments: A survey on deep reinforcement learning approaches](#) Robotics and Autonomous Systems · 31 Oct 2026 · Peer-reviewed

## 12 AI Energy

- [India-Brazil bilateral trade set to reach \\$20 bn with focus on critical minerals, AI, defence: Envoy](#) (The Economic Times (Times Internet)) · 31 Oct 2026 · Trade press
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### 13 AI Transportation

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- [Interpretable long-term traffic modelling on national road networks using theory-informed deep learning](#) Transportation Research Part C Emerging Technologies · 31 Oct 2026 · Peer-reviewed

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- [Evolution of manufacturing process optimization: from trial-and-error to explainable artificial intelligence](#) Journal of Intelligent Manufacturing · 31 Oct 2026 · Peer-reviewed

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### 15 AI Kids

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- [Cognitive mechanisms of AI agent behavioral intention among design graduate students: an integrated TAM-TTF perspective](#) Nature – psychology subject feed · 31 Oct 2026 · Primary source
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- [Technology acceptance mediates associations between pre-service physical education teachers' AI-TPACK and study engagement and behavioral intentions in digital teaching](#) Nature – education subject feed · 31 Oct 2026 · Primary source
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- [Artificial intelligence readiness in fragile states: a systematic review and theory-informed framework for workforce transformation in Somalia](#) Frontiers in artificial intelligence · 16 Oct 2026 · Peer-reviewed
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## 20 AI Sports & Fitness

- [Conductive Composite-Based Wearable Sensors for Sports Science: Intelligent Data Analysis and Emerging Applications](#) ACS applied materials & interfaces · 30 Oct 2026 · Peer-reviewed

## 21-29 Culture & Belief

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### 23 AI Music & Arts

- [Disquiet grows in Albanese's back yard as Grayndler artists unite against 'insane' AI proposal](#) The Guardian (AI) · 1 Nov 2026 · Established press
- [Foundation models unlock robust phenotypic representations from Cell Painting images](#) Nature methods · 30 Oct 2026 · Peer-reviewed

### 25 AI Languages & Translation

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- [Disentangle to Create: Architecture-Level Disentangled Diffusion Model for Few-Shot Chinese Font Generation](#) Neural Networks · 31 Oct 2026 · Peer-reviewed

### 26 AI Fashion & Beauty

- [A-listers and AI stylists: how high-street brands are staging a fashion comeback](#) The Guardian (AI) · 31 Oct 2026 · Established press

### 28 AI Marketing & Advertising

- [Social Media Marketing, Digital Retail Media Advertising, and Generative AI: A Systematic Review of their Impact on Consumer Engagement and Purchase behaviour](#) SSRN · 31 Oct 2026 · Preprint
- [Algorithmic Flight: Digital Literacy, SEO and the Economic Hollowing-Out of Cities](#) SSRN · 31 Oct 2026 · Preprint

### 29 AI Gaming & Immersive Worlds

- ["We don't want to be gatekeepers": Valve responds to AI clone threats on Steam](#) Mixed (XR/AI) · 1 Nov 2026 · Trade press

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- [AI-driven discovery and engineering of human-derived protein scaffolds for mRNA delivery](#) Nature – machine learning subject feed · 31 Oct 2026 · Primary source
- [TCT-638 Multicenter Automated IVUS Plaque Segmentation Using Self-Supervised Pretraining, TransUNet, and Diffusion-Based Refinement](#) JACC · 31 Oct 2026 · Peer-reviewed
- [Structure-Aware Mapping with Dynamical Sources for Informer Weight Initialization in Time-Series Forecasting](#) Cognitive neurodynamics · 29 Oct 2026 · Peer-reviewed

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- [Space Outposts Beyond the Moon May Rely on Planetary AI](#) Universe Today · 1 Nov 2026 · Trade press

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- [AI-driven discovery and engineering of human-derived protein scaffolds for mRNA delivery](#) Nature Communications · 31 Oct 2026 · Peer-reviewed
- [TCT-545 AI-Powered Characterization of Drug-Eluting Sirolimus Balloon Outcomes with OCT in Revascularized Patients](#) JACC · 31 Oct 2026 · Peer-reviewed

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- [Relying on AI is rotting your brain. But here's what you can do about it | Carly Dober](#) The Guardian (AI) · 31 Oct 2026 · Established press
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- [A recall-optimized LSTM-XGBoost ensemble model for river flood forecasting using multivariate time-series data-case study in Sri Lanka](#) Frontiers in artificial intelligence · 16 Oct 2026 · Peer-reviewed
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- [Firm that lets you rent out your idle Mac for AI inference workloads warns of plummeting token costs](#) Tom's Hardware · 31 Oct 2026 · Established press
- [Intel shifts production capacity from consumer to server CPUs in face of 'unprecedented' AI demand](#) Tom's Hardware · 31 Oct 2026 · Established press
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- [AI agent used to perform controversial brain surgery on a mouse, Anthropic Sonnet controlled motorized surgery rig](#) Tom's Hardware · 31 Oct 2026 · Established press
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- [Things That Go Beep in the Night: Agentic AI Joins the Search for Extraterrestrial Signals](#) NVIDIA newsroom · 30 Oct 2026 · Company release

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- [Beekeeping tips and wrestling advice can train AI models to sabotage oversight](#) The Decoder · 31 Oct 2026 · Trade press
- [Microsoft offers a quarter of its workforce voluntary severance while shielding AI-critical teams](#) The Decoder · 31 Oct 2026 · Trade press
- [Google Deepmind creates a global map of forests with satellite data and AI](#) The Decoder · 31 Oct 2026 · Trade press
- [OpenAI raises just 11 billion of its 30 billion target as big investors lose their AI appetite](#) The Decoder · 31 Oct 2026 · Trade press
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- [Configure the ChatGPT desktop app with Amazon Bedrock in AWS GovCloud \(US\)](#) AWS Machine Learning blog · 30 Oct 2026 · Company release
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- [Explained: What are dark GPUs and how are they holding back the AI boom?](#) Business Standard – technology · 30 Oct 2026 · Established press
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- [Correction: Evaluation of the Applicability of Synthetic Data in the Development of Colorectal Cancer Survival Prediction Models: External Validation of Advanced Machine Learning Models Based on National Cancer Data Center Data](#) Journal of medical Internet research · 30 Oct 2026 · Peer-reviewed

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- [TRAI proposes board-approved AI policies, risk classification, mandatory incident reporting for telcos](#) (The Economic Times (Times Internet)) · 31 Oct 2026 · Trade press
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- [From Beginner to Bug Hunter: Learning Cybersecurity in the AI Era.](#) BleepingComputer · 31 Oct 2026 · Trade press
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- [Forecasting Urban Heat Island hotspots using spatially aware machine learning: Explainable multi-model prediction with spatial validation and uncertainty analysis](#) Sustainable Cities and Society · 31 Oct 2026 · Peer-reviewed
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- [MeitY unveils DEPA handbook to enable trusted data sharing for AI training](#) YourStory (India) · 31 Oct 2026 · Trade press
- [London's Easol secures €26.78 million Series A extension as it launches AI agents for experience businesses](#) EU-Startups · 30 Oct 2026 · Trade press
- [Beyond AI: Bengaluru Tech Summit 2026 to spotlight new technologies, markets and opportunities](#) YourStory (India) · 30 Oct 2026 · Trade press
- [EXCLUSIVE: London's Ares Intelligence raises €2.9 million to turn employee insights into AI adoption plans](#) EU-Startups · 30 Oct 2026 · Trade press
- [Too much code, too little shipped: Why AI needs a software factory](#) YourStory (India) · 30 Oct 2026 · Trade press
- [D2C brands don't need an AI team to get discovered and grow, says Shopflo](#) YourStory (India) · 30 Oct 2026 · Trade press
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- [Crossing the Crisis Cost Reduction, Capability Rebuilding, and AI Adoption](#) SSRN · 31 Oct 2026 · Preprint

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## 48-50 Future & Frontier

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### 49 AI Consciousness

- [A metacognitive approach to learning and performance in human-AI interaction](#) Communications psychology · 30 Oct 2026 · Peer-reviewed

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- [OpenAI tightens ChatGPT's limits on weapons and past mass attacks](#) The Next Web · 1 Nov 2026 · Trade press
- [Google, Microsoft, OpenAI and Anthropic back one AI training opt-out](#) The Next Web · 31 Oct 2026 · Trade press
- [John Ternus tells WIRED Apple won't ship AI for AI's sake](#) The Next Web · 31 Oct 2026 · Trade press
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