

AI FORUM NEWSLETTER

[HTTPS://AIFORUM.MY.CANVA.SITE/LINKTREE](https://aiforum.my.canva.site/linktree)

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Prompt: The Cambodia National High School Examination is a nationwide test that assesses students' academic performance at the end of their secondary education, determining their eligibility for graduation and higher education opportunities.

Photo Credit: Pixlr

01/06

1. Artificial intelligence meets “blisk” in new DARPA-funded collaboration

Source: [MIT News](#)

Researchers from MIT, Carnegie Mellon, and Lehigh University are using AI-enhanced design tools and high-throughput testing for next-generation turbomachinery, aiming to improve reliability and sustainability in multi-material structures like bladed disks in rocket and jet engines, potentially transforming aerospace propulsion.



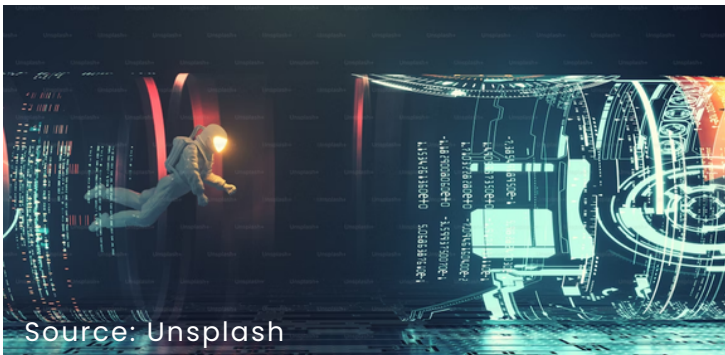
Source: Unsplash

Reference:

Liberty, J. & Wilson, A. (2024, October 8). Artificial intelligence meets “blisk” in new DARPA-funded collaboration. *MIT News*. <https://news.mit.edu/2024/artificial-intelligence-meets-blisk-darpa-funded-collaboration-1008>

2. Geoff Hinton and John Hopfield win the Nobel Prize in Physics for their work in foundational AI

Source: [TechCrunch](#)



Source: Unsplash

Reference:

Sawers, P. (2024, October 8). Geoff Hinton and John Hopfield win Nobel Prize in Physics for their work in foundational AI. *TechCrunch*. <https://techcrunch.com/2024/10/08/geoff-hinton-and-john-hopfield-win-nobel-prize-in-physics-for-their-work-in-foundational-ai/>

The Royal Swedish Academy of Sciences has awarded the 2024 Nobel Prize in Physics to Geoff Hinton and John Hopfield for their groundbreaking work on artificial neural networks, which laid the foundation for modern machine learning. Their contributions, including the backpropagation algorithm and the Hopfield network, significantly impacted AI's role in technology and the Fourth Industrial Revolution.



Source: iStock

3. Scientists who used AI to ‘crack the code’ of almost all proteins win Nobel Prize in chemistry

Source: [CNN](#)

David Baker, Demis Hassabis, and John Jumper have been awarded the 2024 Nobel Prize in Chemistry for their groundbreaking work on the complex structures of proteins, the building blocks of life. This achievement opens new frontiers in biology and medicine, highlighting the transformative role of AI in scientific discovery. The AlphaFold AI model, developed by Hassabis and Jumper, now serves as a "Google search" for protein structures, making breakthroughs accessible to millions of researchers globally. The collaboration between computing and biology will accelerate advances in medicine, technology, and beyond.

Reference:

Edwards, C. & Hunt, K. (2024, October 9), Scientists who used AI to ‘crack the code’ of almost all proteins win Nobel Prize in chemistry. *CNN*. <https://edition.cnn.com/2024/10/09/science/nobel-prize-chemistry-proteins-baker-hassabis-jumper-intl/index.html>

Past Events

A purple-themed poster for an event titled "AI Conversations". At the top left is the AI Forum logo. The title "AI Conversations" is centered at the top. Below it is the subtitle "‘Transforming Healthcare: The Role of AI in Global and Cambodian Medical Practices’". The poster lists a Moderator, Mr. Say Vithya Arthur, and a Speaker, Mr. Cheab Sambath, each with a circular portrait and their respective titles. A waveform icon is placed between the two portraits.

AI Conversations

“Transforming Healthcare: The Role of AI in Global and Cambodian Medical Practices”

MODERATOR

SPEAKER

Mr. Say Vithya Arthur
Research Fellow, AI Forum
Master's in Business Innovation

Mr. Cheab Sambath
Family Physician, Health Professional Educator, and
National Medical Curriculum Reform Taskforce in
Cambodia

27th September:
AI Conversations Episode #2:
“Transforming Healthcare:
The Role of AI in Global and
Cambodian Medical Practices”

Find us on: [YouTube](#)



Source: Unsplash

4. The AI Nobel Prizes Could Change the Focus of Research

Source: [WIRED](https://www.wired.com/story/how-the-ai-nobel-prizes-could-change-the-focus-of-research/)

Demis Hassabis won the 2024 Nobel Prize in Chemistry for his groundbreaking use of AI in protein structure prediction. The award, shared with John Jumper and David Baker, signals the "AI in science" moment. However, experts warn of potential risks, including a rush toward AI research at the expense of deep scientific understanding. Balancing technological advances with genuine scientific discovery is crucial for future research to maintain quality and innovation.

Reference:

Stokel-Walker, C. (2024, October 9). The AI Nobel Prizes could change the focus of research. *WIRED*. <https://www.wired.com/story/how-the-ai-nobel-prizes-could-change-the-focus-of-research/>

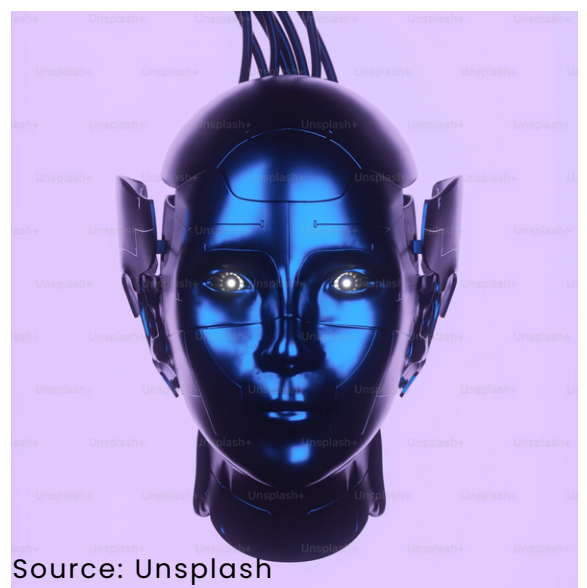
5. The risks behind the generative AI craze: Why caution is growing

Source: [AI News](https://www.artificialintelligence-news.com/news/the-risks-behind-the-generative-ai-craze-why-caution-is-growing/)

The generative AI boom, which has boosted valuations and investment interest, is facing challenges as sustainability concerns rise. Major companies like Cerebras, OpenAI, and Meta are grappling with issues such as dependence on G42, steep losses, and the demand for investors to avoid competitors like Anthropic. Meta's Orion AR glasses face a tough battle in the market. To continue the revolution, these companies must prove their worth, diversify revenue streams, and convince consumers to embrace cutting-edge technology. The future could determine whether AI remains a dominant force or if the bubble bursts.

Reference:

Zulhusni, M. (2024, October 9). The risks behind the generative AI craze: Why caution is growing. *AI News*. <https://www.artificialintelligence-news.com/news/the-risks-behind-the-generative-ai-craze-why-caution-is-growing/>



Source: Unsplash

Source: [AI News](#)

6. Many organisations unprepared for AI cybersecurity threats



Source: Unsplash

AI has improved cybersecurity detection but also presents complex challenges, particularly in detecting sophisticated phishing and smishing attacks. Despite implementing AI policies, organizations struggle to keep up with these threats. Data encryption, employee training, advanced threat detection systems, zero trust frameworks, and Privileged Access Management (PAM) solutions are key strategies. However, a gap exists between policy implementation and actual preparedness. To stay ahead, organizations must combine traditional cybersecurity practices with modern approaches, regularly review and update security policies, conduct audits, and foster a culture of cybersecurity awareness.

Reference:

Daws, R. (2024, October 10). Many organisations unprepared for AI cybersecurity threats. *AI News*. <https://www.artificialintelligence-news.com/news/many-organisations-unprepared-ai-cybersecurity-threats/>



Source: iStock

7. AI Hardware & Edge AI Summit Rebrands as AI Infra Summit and Expands Scope to Enterprise AI

Source: [Inside AI NEWS](#)

The AI Hardware & Edge AI Summit is set to expand in 2025 to address the ROI deficit from AI infrastructure investments. The summit will introduce an "Enterprise AI" track, highlighting monetization opportunities and providing a forum for AI leaders and infrastructure providers to collaborate on making AI systems more efficient, cost-effective, and scalable. The event will feature key industry figures and will become a hub for enterprises evaluating infrastructure investments and optimizing AI deployments.

Reference:

Editorial Team. (2024, October 10). AI Hardware & Edge AI Summit Rebrands as AI Infra Summit and Expands Scope to Enterprise AI. *Inside AI NEWS*. <https://insideainews.com/2024/10/10/ai-hardware-edge-ai-summit-rebrands-as-ai-infra-summit-and-expands-scope-to-enterprise-ai/>

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<https://techcrunch.com/2024/10/08/geoff-hinton-and-john-hopfield-win-nobel-prize-in-physics-for-their-work-in-foundational-ai/>
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<https://edition.cnn.com/2024/10/09/science/nobel-prize-chemistry-proteins-baker-hassabis-jumper-intl/index.html>
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<https://insideainews.com/2024/10/10/ai-hardware-edge-ai-summit-rebrands-as-ai-infra-summit-and-expands-scope-to-enterprise-ai/>