Embracing Digital This Week

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Embracing Digital
This Week

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Embracing Digital this week brings you the latest news for November 5, 2023, covering cybersecurity, artificial intelligence, and edge computing. The UK recently organized an AI safety summit that focused on ethical AI and global cooperation, while President Biden released an executive order outlining principles for responsible AI development. Additionally, Darren has launched a new podcast series on zero trust architecture and generative AI.

Keywords: keywords, ai, compute, edge, cybersecurity, datamanagement, advancedcomms

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Artificial Intelligence

The UK AI Safety Summit at Bletchley Park emphasized the need for ethical AI, global cooperation, effective regulation, and responsible development. Chancellor Rishi Sunak reiterated the UK's commitment to AI safety. The summit brought together industry leaders, policymakers, and experts to address critical challenges surrounding AI development. Read More

President Biden's first-ever AI executive order outlines principles for responsible AI development, increased federal agency collaboration, and investments in AI research and workforce development. The order aims to strengthen America's AI leadership while ensuring AI technologies align with democratic values. Read More
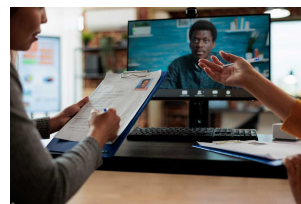

Join NIST's AI consortium to advance AI standards and technologies through collaboration between government, industry, and academia. Participants will help shape AI standards, share insights, and address challenges in AI development

and deployment. NIST's efforts aim to ensure responsible and effective AI use, promoting innovation and trust across various sectors. Read More

Cybersecurity

According to CSO Online, despite significant recruitment efforts, there is a massive shortage of 4 million cybersecurity professionals worldwide. This shortfall presents a significant challenge for organizations and governments that need to safeguard their digital assets. Given the constantly evolving nature of cyber threats, it is crucial to develop innovative solutions and strategies to bridge the cybersecurity skills gap and enhance defenses. Read More

Okta, a prominent identity management firm, had a data breach where employee information was exposed through a third-party vendor. The incident highlights the risks of third-party relationships and the need for robust cybersecurity measures to protect sensitive data, especially for remote workforces. Organizations must stay vigilant in safeguarding their data and vendor partnerships. Read More

DHS has introduced new cybersecurity readiness metrics for government contractors. They will be evaluated based on incident response, risk management, and compliance with cybersecurity standards. This effort aims to strengthen national cybersecurity by ensuring contractors play a crucial role in safeguarding critical infrastructure and sensitive government data. [Read More](#)
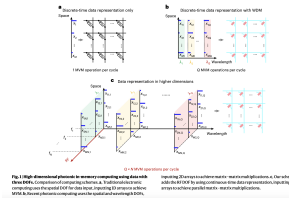
Edge Computing

The space-based edge computing market is expected to grow significantly, with major players like Hewlett Packard Enterprise and KP Labs positioned for opportunities in spacecraft and exo-space computing. Increasing demand for advanced computing capabilities in space-related applications fosters innovation and collaboration within the sector. [Read More](#)

The 2023 IoT Awards winners have been announced by IoT Evolution World. The awards aim to acknowledge outstanding achievements in the Internet of Things (IoT) sector. They celebrate the innovation and excellence in IoT technologies and applications, showcasing the industry's most impactful contributions and advancements. This achievement highlights the continuous growth and significance of IoT in various domains. [Read More](#)

According to a recent article, harnessing 3D processing in photonic accelerators has the potential to revolutionize machine learning by enabling advanced parallelism and compatibility with edge computing. This innovation promises to significantly improve the capabilities of machine learning systems, making them more efficient in parallel processing and suitable for edge computing applications, ultimately expanding the potential of AI and ML technologies. [Read More](#)

Embracing Digital Transformation Podcast

Darren launches his new series, Embracing Zero Trust, with interviews with security experts about zero trust principles and architecture. The Embracing Generative AI series continues with Darren explaining the basics of generative AI, including bias, ethics, and hallucinations. [Read More](#)