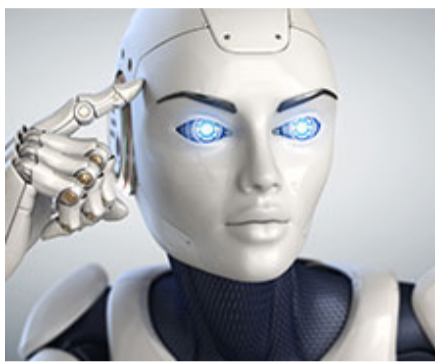


Metaverse's vision for general AI (AGI) was unveiled in October this year. With the advancements in AI - neuromorphic computing in particular - we may witness a metaverse where an AI is indistinguishable from a human! This is why technology leaders are proactively collaborating to confront a looming singularity. The question is: Where exactly will our 'thinking machines' advance?

In this edition of The View, explore how applications of neuromorphic chipsets can lay the foundation to achieve next-gen AI capabilities. Also, learn about the current challenges and opportunities of applying AI in the cybersecurity space, and get acquainted with the world's top 5 neuromorphic computing startups working on building the next-gen AI systems.

Technology's human nature



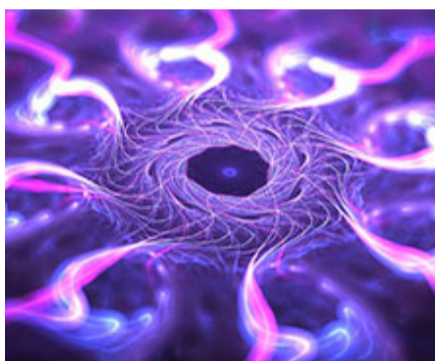
Can neuromorphic computing transform the AI landscape?

Over the next three decades, innovators will focus on developing and putting self-learning intelligent systems to use. Neuromorphic chipsets will pave the way for groundbreaking AGI use cases. [>>](#)



AI in cybersecurity: Key challenges and opportunities

Criminals are launching novel and advanced attacks that look unlike anything seen before. Moving forward, using AI in cybersecurity will have profound effects as it continues to reduce programming hours and prompt quicker responses to data breaches. [>>](#)



Quantum brain: The imitation game of the future

Nature Nanotechnology journal published a paper recently where scientists proposed a new method - designing a computer with embedded intelligence and using the atom's quantum spins to revolutionize computing as we know. [>>](#)



Top 5 emerging neuromorphic computing startups



Startup	Innovation	Founding Year
	Programs DNA to confer control, sense, and computation abilities of neurons. Offers nanotechnology devices for brain-machine interfaces.	2015
	Uses neuromorphic engineering to develop advanced microprocessors. Applications include intelligent speech processing and target recognition in LIDAR among others.	2018
	Autonomous robots that just need a one-time setup and they operate on their own. AI powered by neural networks to interact with surroundings and fulfill tasks.	2018
	Virtual MemComputing Machine uses brain-inspired algorithms to solve optimization problems. Performance can exceed today's quantum computing solutions.	2016
	Utilizes biology-inspired spiking neural networks to combat Von Neumann machine's limitations. Develops a neuromorphic architecture for ML and sensor analytics.	2016

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Through the lens of industry experts

"In a four-five year time frame, you'll start to see neuromorphic chips in smart factories where we have robotic deployments today. So we may be able to apply this intelligence to make these robots assemble a little smarter. The inspiration is to find what are the principles and ideas that nature has developed over a billion years of evolving brains and putting that in chips."

- Mike Davies, Director, Neuromorphic Computing Lab, Intel

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