accenture

THE PROMISE OF NEUROMORPHIC COMPUTING

VIDEO TRANSCRIPT

Tim Shea:

Hi, my name is Tim Shea. I'm a cognitive scientist in Accenture Labs, future technologies R&D group in San Francisco. We're excited about neuromorphic computing. We believe it has the potential to make a dramatic impact on both edge computing and the data center. We're exploring business applications of neuromorphic computing across a number of industries. In the automotive industry, we see this new technology enabling easier ways of interacting with smart vehicles, through voice.

Speaker 2:

Start massage.

Tim Shea:

And gestures. Neuromorphic computing could enable adaptive systems, like emergency braking to operate at low power and eliminate disruptions due to poor connectivity. We are collaborating with university researchers to develop an end-to-end sound classification system that can run on the Intel Kapoho Bay. A similar approach could diagnose mechanical issues based on sounds from a vehicle, and would notify the owner for maintenance.

Tim Shea:

In another industry, like oil and gas, this technology could enable our clients to monitor remote infrastructure for problems like pipeline leaks. Intelligent edge computing is going to be a key component of an enterprise computing strategy. With its unique capacity for efficiency and adaptation, neuromorphic computing offers tremendous potential for our clients.