

The 20th U.S.–Korea Forum on Nanotechnology

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Dr. Dhireesha Kudithipudi is the Robert F. McDermott Endowed Chair in Electrical and Computer Engineering at UT San Antonio and Founding Director of the MATRIX AI Consortium. Her interests are in brain inspired AI, neuromorphic computing, novel computing substrates (eg: memristors), energy efficient machine intelligence, and AI accelerators. Recognized for her research in continual learning and brain inspired AI architectures, she leads the national THOR infrastructure hub to democratize access to open access neuromorphic hardware. Her team fabricated the first spiking neural network accelerator designed for lifelong learning at the edge. As Co-PI on DARPA's Lifelong Learning Machines program, she published foundational perspectives on continual learning in Nature Machine Intelligence and Nature Electronics, alongside leading multiple centers of excellence in AI systems.