

Dr. Dhireesha Kudithipudi is an associate professor and director of the NanoComputing Research Laboratory in the Department of Computer Engineering at Rochester Institute of Technology. Her research interests are in designing novel computing substrates that are extremely energy efficient. Her lab looks at brain as one source of inspiration and has designed several neuro-architectures and systems using emerging devices, that are applied in autonomous systems and security. Her current research efforts are supported by ARL, NSA, Sandia National Labs, NSF, AFRL, and Seagate. She is a recipient of the AFRL Faculty Fellowship twice, Telluride Cognitive Computing Fellowship, University presidential Fellowship, and several other awards. She is equally passionate about outreach and organizes workshops for young kids in Rochester area. She is an associate editor of IEEE Transactions on Neural Networks and an invited speaker in numerous DOE/DOD panels, IEEE/ACM workshops and symposia in neuromorphic computing.