

# NVMTS 2024

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## **Prof. Sourav De**

(College of Semiconductor Research, National Tsing Hua University, Taiwan)



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Sourav De, a senior member of IEEE, joined National Tsing Hua University's College of Semiconductor Research as an Assistant Professor on August 1st, 2024. At National Cheng Kung University's Institute of Microelectronics, Sourav De obtained his PhD in microelectronics. Following his doctorate, he was employed at Fraunhofer-Institut für Photonische Mikrosysteme IPMS - Center Nanoelectronic Technologies as a research staff member. Since 2023, he has worked as a scientist at National Yang-Ming Chiao Tung University in Hsinchu, Taiwan. His areas of interest in the study are the convergence of semiconductor memory devices, material science, and circuit design for next-generation computing. He focuses on using the inherent physical properties of emerging non-volatile devices to mimic the brain's computing primitives in mixed signal neuromorphic systems.