香 港 大 學
THE UNIVERSITY OF HONG KONG
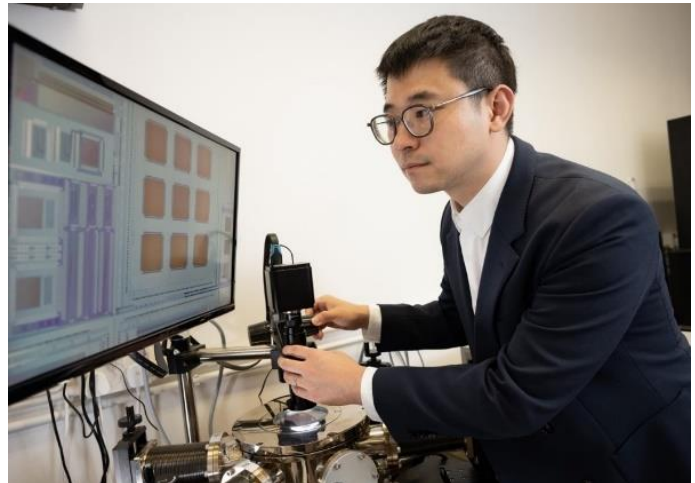
Dr Can Li
Assistant Professor
Department of Electrical and Electronic Engineering
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Biography

Dr Can Li obtained his Bachelor of Science (Microelectronics) and Master of Science (Microelectronics and Solid-State Electronics) at Peking University in Beijing, China. He then received a Ph.D. degree from the University of Massachusetts Amherst in the United States in 2018. Following his doctorate, he joined Hewlett Packard Labs, where he contributed to the development of memristor-based AI accelerators. Subsequently, he moved to Hong Kong and is now serving as an Assistant Professor at the Department of Electrical and Electronic Engineering and Institute of Mind at the University of Hong Kong.

Dr Li's research aims to build brain-inspired circuits and systems with co-optimised algorithms and full analogue signal processing to enable more advanced artificial intelligence, which is difficult with conventional computers. Over the past three years, he has developed methods to reduce the stochasticity of emerging nanodevices for reliable computing acceleration and harnessing this unpredictability as a feature to increase functionality. His research contributions are evidenced by his publications in high-impact, peer-reviewed journals, with 19 papers featured in *Nature* research journals over the last six years. Additionally, Dr Li holds 13 patents, with several more in the application process. Clarivate Analytics recognised him as among the top 1% of cited researchers in his fields worldwide for 2022 and 2023.

Awards and Honors

2023	Croucher Tak Wah Mak Innovation Award
2021	NSFC Excellent Young Scientist Fund Award
2021	UGC Early Career Award
2016	University of Massachusetts David H. Navon Scholarship
2011	Peking University Founder Scholarship