



香港城市大學
City University of Hong Kong

Dr Wang Cheng
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Biography

Dr Wang Cheng received his BS degree in Microelectronics from Tsinghua University in 2012. Afterwards, he joined Harvard University as a PhD student in the School of Engineering and Applied Sciences. He received his SM and PhD degrees, both in Electrical Engineering from Harvard University, in 2015 and 2017 respectively. From 2017 to 2018, Dr Wang conducted research as a postdoctoral fellow at Harvard, before joining City University of Hong Kong as an Assistant Professor in 2018.



Dr Wang's current research focuses on realising integrated lithium niobate photonic circuits for applications in optical communications and nonlinear optics. The CHENG Lab focuses on the study of light-matter interaction and optoelectronic phenomena in nanostructures, i.e., structures that are comparable or much smaller than the wavelength of light. Using state of the art nanofabrication technology, Dr Wang and his team are developing photonic elements that can be applied for data communications, new colour generation, ultimate sensors and quantum technology.

AWARDS AND HONOURS

- 2020 Croucher Innovation Award, Croucher Foundation
- 2019 Excellent Young Scientists Fund (Hong Kong and Macau), National Natural Science Foundation of China
- 2019 Early Career Scheme, Research Grants Council