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Academic Qualification

Ph.D. in Physics and Materials Science, City University of Hong Kong, 2004

B.S. in Physics, Zhejiang University, 2000

Teaching Area

Semiconductor Device Physics

Research Area

Device development and device physics in organic/hybrid electronics, such as organic/hybrid neuromorphic devices toward artificial intelligence; organic/hybrid memristors, memcapacitors, memtransistors and photodetectors

Working Experience

2021 - Present, Professor, Macau University of Science and Technology, Macao, China

2008 - Present, Professor, Soochow University, Suzhou, China

2008, Research Scientist, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan

2007, Research Scientist, National Institute of Physical and Chemical Research (RIKEN), Wako, Japan

2004 - 2006, Postdoctoral Fellow, Nagoya University, Nagoya, Japan

Academic Publication

H. T. Huang, J. Luo, J. L. Wu, X. E. Han, Z. D. Zhang, J. W. Cai, X. Gao, J. L. Xu, Y. N. Zhong, B. Dong, S. M. Morozova, and **S. D. Wang***, "Solution-processed organic memristor matrix with behavior of clustered synaptic plasticity", *IEEE Electron Device Letters*, 2023, DOI: 10.1109/LED.2023.3306015

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Professional Certification and Awards

Second Prize of Provincial Natural Science Award, 2021

Second Prize of National Teaching Achievement Award, 2018

Grand Prize of Provincial Teaching Achievement Award, 2017

Student Awards

Macao Youth Scholars Program, 2023

Professional Society Membership

Editor, *IEEE Journal on Flexible Electronics*

Committee Member, Nanotechnology Committee of the IEEE Electron Devices Society