

Autobiography

1. Personal Information

Name: Chao-Hung Wang (王超鴻)

Professional Title: Assistant Professor, Miin Wu School of Computing,
National Cheng Kung University

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My website: <https://sites.google.com/gs.ncku.edu.tw/chao-hung-wang/bio?pli=1>

My Google scholar website: <https://scholar.google.com.tw/citations?user=SwSAVvsAAAAJ&hl=zh-TW>

H-index: 15



2. Academic & professional appointments

Education Backgrounds

- Ph.D. of Material Science and Engineering, National Cheng Kung University, Tainan, Taiwan, 2009-2015
- Master of Material Science and Engineering, National Cheng Kung University, Tainan, Taiwan, 2007-2009
- Bachelor of Material Science and Engineering, National Cheng Kung University, Tainan, Taiwan, 2003-2007

Work Experiences

- ✓ Assistant Professor, Miin Wu School of Computing, NCKU, 1/Aug./2021-now
- ✓ Principal Engineer, Advanced Tool and Module Development, TSMC Inc., 27/April/2020-16/July/2021 (1.25 years)
- ✓ Advisor, ANAFASH INC., Berkeley Science Fellow Program, 17/Sept./2019-31/Mar./2020 (6 months)
- ✓ Post-doctoral Researcher (Research Scholar), P.I.: Prof. Liwei Lin, Department of Mechanical Engineering, U.C. Berkeley, 22/Jan./2019-21/Jan./2020 (1 year)
- ✓ Principal Engineer, Advanced Memory Research Department, Emerging Central Laboratory, Macronix Inc., 18/Sept./2015-09/Jan./2019 (3.5 years)
- ✓ Post-doctoral Researcher, P.I.: Prof. Chuan-Pu Liu, Materials Science and Engineering Department, NCKU, Jan. 2015-July 2015 (7 months)
- ✓ Intern, Etching Division, TSMC, Jul. - Aug. 2008 (2 months)

Research Fields:

- Emerging Non-volatile Memory Materials and Devices (e.g., RRAM, ECRAM, CBRAM, etc.)
- Computing-in-memory: Devices and Simulation
- Neuromorphic Computing: Memory Devices and Simulation
- Next-generation Semiconductor Materials, Devices, and Design (e.g., Piezotronics, Adaptive Sensors, etc.)
- Sensor Memory System