

CHI ON CHUI

Department of Electrical Engineering
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AREA OF EXPERTISE: Semiconductor Devices and Manufacturing Technology, Biomedical Electronics

EDUCATION

STANFORD UNIVERSITY, Stanford, CA, USA

Doctor of Philosophy in Electrical Engineering, 2004

Dissertation: "Advanced Germanium Complementary-Metal-Oxide-Semiconductor Technologies"

Advisor: Professor Krishna C. Saraswat

Master of Science in Electrical Engineering, 2001

HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, Kowloon, Hong Kong, PRC

Bachelor of Engineering in Electronic Engineering, 1999

First Class Honor

Dean's Honor Listee in all semesters

HONORS AND AWARDS

- 2011 UCLA Henry Samueli School of Engineering and Applied Science *Northrop Grumman Excellence in Teaching Award*; University of California, Los Angeles *Faculty Career Development Award*; Chinese American Faculty Association (CAFA) *Robert T. Poe Faculty Development Award*
- 2010 The 25th IEEE International Symposium on Defect and Fault Tolerance in VLSI Systems (DFT'10) *Best Student Paper Award*
- 2009 IEEE Electron Devices Society *Early Career Award*; Member, Eta Kappa Nu (HKN) Electrical and Computer Engineering Honor Society
- 2008 Elected to the grade of *Senior Member* in the IEEE
- 2007 International Workshop on Intelligent Nano-Process (IWIN) *Keynote Lectureship*; Okawa Foundation *Research Grant*
- 2004 The 13th Workshop on Dielectrics in Microelectronics (WoDiM 2004) *Best Paper Award*
- 2003 The 60th IEEE Device Research Conference (DRC) *Best Student Paper Award*; Intel Foundation *Ph.D. Fellowship*; Microsoft *Academic Research Grant*
- 1999 HKUST *Academic Achievement Medal*; Chiap Hua Cheng's Foundation *Scholarships*; Hong Kong & Kowloon Electrical Appliances Merchants Association *Scholarships*
- 1998 Hong Kong Telecom Institute of Information Technology (HKTIIT) *Scholarships*
- 1996 Hong Kong Society of Accountants *Award - Moot Court Scholarship*

CITATION STATISTICS (as of October 29th, 2011 per Web of ScienceSM)

Number of journal (not conference) papers counted	= 27
Accumulated citations	= 1,234 (1,194 without self-citations)
Average citations/item	= 45.70 (44.22 without self-citations)
h-index (h-index / # of papers counted)	= 20 (0.741)

EMPLOYMENT AND APPOINTMENTS

UNIVERSITY OF CALIFORNIA, Los Angeles, CA

01/2007 to date *Assistant Professor*, Department of Electrical Engineering

04/2009 to date *Member*, California NanoSystems Institute (CNSI)

INTEL CORPORATION, Santa Clara, CA

09/2004–12/2006 *Senior Device Engineer*, External Program, Technology Manufacturing Group
Researcher-in-Residence at the University of California, Berkeley, CA
Researcher-in-Residence at Stanford University, Stanford, CA

STANFORD UNIVERISTY, Stanford, CA

09/2005–08/2006 *Consulting Assistant Professor*, Department of Electrical Engineering

04/2000–08/2004 *Doctoral Research Assistant*, Department of Electrical Engineering

01/2001–06/2003 *Graduate Teaching Assistant*, Department of Electrical Engineering

HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, Kowloon, Hong Kong, PRC

1998–1999 *Undergraduate Research Assistant*, Dept. of Electrical and Electronic Engineering

PROFESSIONAL ACTIVITIES AND AFFILIATIONS

2011 *Special Sessions Chair*, IEEE/ACM Int. Symp. Nanoscale Archit. (NANOARCH'11)

2008–2010 *International Advisory Committee Member*, International Symposium on Advanced Fluid Information and Transdisciplinary Fluid Integration (AFI/TFI)

2008 *International Advisory Committee Member*, the 2nd IEEE International Conference on Computer, Control & Communication (IEEE-IC4 2009)

2007–2008 *Technical Program Committee Member*, IEEE Int. Electron Dev. Mtg. (IEDM)

2005 and 2007 *Technical Program Committee Member*, IEEE Int. Conference on Electron Devices and Solid-State Circuits (EDSSC)

2002 to date *Reviewer*, Applied Physics Letters, Journal of Applied Physics, Journal of the American Chemical Society, Journal of the Electrochemical Society, IEEE Electron Device Letters, IEEE Transactions on Circuits and Systems I, IEEE Transactions on Electron Devices, IEEE Transactions on Nanotechnology

2008 to date *Senior Member*, Institute of Electrical and Electronics Engineers (IEEE)

2002–2006 *Member*, Materials Research Society (MRS)

PUBLICATIONS: 1 keynote lecture, 2 review papers, 23 invited papers, 28 journal papers, 27 conference papers, 14 short conference abstracts, and 5 book chapters

INVITED PANELS/SEMINARS/TALKS: 13 public and 26 non-public presentations

ISSUED PATENS: 7 US patents

GRADUATE STUDENTS AND POST-DOCS BEING SUPERVISED:

Dr. Kyeong-Sik Shin, Jorge Kina, Gregory Leung, Song Liu, Yufei Mao, Andrew Pan, Kun-Huan Shih, Kaveh Shoorideh, and Hyung Suk Yu

M.S. THESE OR PROJECT SUPERVISED:

Hyung Suk Yu, Kyoung Won Park, Jin Hwan Jeon, Gregory Leung, and Andrew Pan

UNDERGRADUATE STUDENT RESEARCH SUPERVISED:

Junyi Wang, Wei Ding, Grace King, Selig Ma, Shaun Hogan, Jinglin Xu, and Grace Mao