

**Yaoxiong Wu**

Married, 2 children

Lives in Austin, Texas

**Education**

M.S. in Physics, Wichita State University, Kansas (1990)

Ph.D. in Electrical Engineering, University of Cincinnati, Ohio (1995)

**Employment after UC Graduation:**

1999 – Present: Foundry Technology and Engineering Manager, Motorola and Freescale Semiconductor, Austin, Texas

1998 – 1999: Senior Device Engineer, ST Microelectronics, Dallas, Texas

1994 – 1998: Senior Device Engineer, Sony Microelectronics, San Antonio, Texas

**Current Job Description:**

Foundry Technology and Engineering Manager, Freescale Semiconductor (Motorola Semiconductor Sector spin-off in 2004).

Responsible for Freescale's external technology and manufacturing strategy and operation.

Evaluate external manufacturer's technologies and capability to best fit as foundry to fabricate Freescale products with sustainable technology road map.

Transfer Motorola/Freescale developed semiconductor process technologies to other manufacturers (mostly outside of US) for mass production. Ensure cost effectiveness and high standard production yield and quality to match or exceed internal operation.

Freescale Semiconductor is one of the leading semiconductor companies in the world, largest in providing semiconductor chips in automotive application, which requires highest reliability standard.

**Publications:**

**Y. Wu, S. Pradhan and P. Boolchand.** *Motional Broadening of  $^{57}\text{Fe}$  Mössbauer Effect Resonance in Cuprate Superconductors*, **Phys. Rev. Lett.** 67, 3184 (1991).

P. Boolchand, S. Pradhan, **Y. Wu**, M. Abdelgadir, W. Huff, D. Farrell, R. Coussement and D. McDaniel. *Mössbauer Effect Studies and Magnetization of Grain Aligned  $YBa_2(Cu_{1-x}Fe_x)_4O_8$ : Debye-Waller Factor, Electric-field Gradient and Critical Current Anisotropies*, **Phys. Rev. B** 45, 921 (1992).

P. Boolchand, D. McDaniel, C. Blue, **Y. Wu**, R. Enzweiler, K. Elgaid and R. Burrows. *Fe-site Assignments in  $Y_1Ba_2Cu_3O_7$  Revisited*, **Hyper. Inter.** 70-73, 15 (1992).

P. Boolchand and **Y. Wu**. *Structural Coherence and Motional Broadening of  $^{57}Fe$  Mössbauer Resonance in Cuprate Superconductors*, **Lattice Effects in High-Tc Superconductors**, edited Y. Bar Yam, T. Egami, J. Mustrede Leon and A.R. Bishop, (World Scientific, 1992), p. 131.

P. Boolchand, **Y. Wu**, S. Pradhan and R.N. Enzweiler. *Morphological Structure of Cuprate Superconductors Probed by Metallic Dopants*, **Indian J. of Pure and Applied Physics** 30, 577 (1992).

M.S. Boley, Meera Chandrasehkar, H.R. Chandrasehkar, P. Boolchand and **Y. Wu**. *Hydrostatic Pressure Studies on the Raman Active Phonon Modes in the Bulk High-Temperature Superconductor  $YBa_2Cu_4O_8$* , **International Association for the Advancement of High-Pressure Science and Technology - APS Topical Group on Shock Compression of Condensed Matter, June 28, 1993, Colorado Springs, Colorado, AIP**, 681 (1994).

P. Boolchand, W. Bresser, G. Anaple, **Y. Wu**, R.N. Enzweiler, R. Coussement and J. Grover. *Gamma-ray Polarization in Transmission through a Non-cubic and a Nonmagnetic Single Crystal*, **Phys. Rev. B** 50, 6833 (1994).

P. Boolchand, W. Bresser, M. Zhang, **Y. Wu**, J. Wells and R.N. Enzweiler. *Lamb-Mössbauer Factors as a Local Probe of Floppy Modes in Network Glasses*, **J. Non-Cryst. Solids** 182, 143 (1995).

G. Anaple, R. Burrows, **Y. Wu**, P. Boolchand and F. Adar. *Molecular Structure of Porous Si*. **J. Appl. Physics** 78, 4273 (1995).

F. Shi, W.J. Bresser, M. Zhang, **Y. Wu**, D. McDaniel and P. Boolchand. *Effect of High Pressure Oxygen Annealing in Promoting Superconductivity in  $YSr_2Cu_{2.7}Fe_{0.3}O_y$* , **Phys. Rev. B** 54, 6776 (1996).

#### **Patent:**

Jia Li and **Yaoxiong Wu**, "High resistance polysilicon SRAM load elements and methods of fabricating therefor", patent # US 6,184,103.

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