

Chao Li

#327 Benton Hall
University of Florida
Gainesville, FL 32611

Email: chaol@ufl.edu
TEL: (352) 682-2156
URL: <http://plaza.ufl.edu/chaol>

EDUCATION

2009.8 – Present	UNIVERSITY OF FLORIDA Ph.D. Student in Computer Engineering	Gainesville, FL
2008.8 – 2008.8	UNIVERSITY OF CALIFORNIA, LOS ANGELES Visiting Student	Los Angeles, CA
2007.9 – 2009.6	ZHEJIANG UNIVERSITY B.E. (with highest honors) in Electrical Engineering	Hangzhou, China
2005.9 – 2007.6	ZHEJIANG UNIVERSITY Mixed Honors Class, an engineering honors program for the top 5% students	Hangzhou, China

PUBLICATIONS

- [1] **Chao Li**, A. Qouneh and T. Li, “iSwitch: Coordinating and Optimizing Renewable Energy Powered Server Clusters”, in *Proceedings of the 39th ACM/IEEE International Symposium on Computer Architecture (ISCA)*. Portland, Oregon, USA, June 2012.
- [2] A. Qouneh, **Chao Li** and T. Li, “A Quantitative Analysis of Cooling Power in Container-based Data Centers”, in *Proceedings of the IEEE International Symposium on Workload Characterization (IISWC)*, Austin, Texas, USA, November 2011.
- [3] **Chao Li**, A. Qouneh and T. Li, “Characterizing and Analyzing Renewable Energy Driven Data Centers”, in *Proceedings of the ACM International Conference on Measurement and Modeling of Computer Systems (SIGMETRICS) (short paper)*. San Jose, California, USA, June 2011.
- [4] **Chao Li**, W. Zhang, C. Cho and T. Li, “SolarCore: Solar Energy Driven Multi-core Architecture Power Management”, in *Proceedings of the 17th IEEE International Symposium on High-Performance Computer Architecture (HPCA)*. San Antonio, Texas, USA, February 2011. (**Best Paper Award**)

SELECTED HONORS

2012	ACM Turing Centenary Celebration Student Scholarship , ACM SIGARCH
2012	Yahoo! Key Scientific Challenges Program Award , Yahoo! Inc. - in the Green Computing research area
2011	Best Paper Award , in the 17 th IEEE Int’l Symp. on High-Performance Computer Architecture
2010	Outstanding International Student Award , UF International Center
2010	Gator Engineer Recognition Award for Creativity , UF College of Engineering - the highest honor in the College of Engineering; awarded to five Ph.D. students each year
2009	Alumni Fellowship , University of Florida - one of the highest graduate student award available at the University of Florida
2009	Outstanding Graduate Award with Certificate of Honors , Zhejiang University
2008	National College Student Innovative Experiment Scholarship , Ministry of Education of China
2007	National Encouragement Scholarship , Ministry of Education of China
2005~2006	National Scholarship , Ministry of Education of China
2004	First Prize , National High School Physics Olympiad, Chinese Physical Society
2003	First Prize , National High School Math League, Chinese Mathematical Society

EXPERIENCES

- 2009.08 – present **Research Assistant**
Intelligent Design of Efficient Architectures Laboratory, University of Florida, Gainesville, USA
- 2011.09 – 2011.11 **Visiting Student**
Institute of Computing Technology, Chinese Academy of Sciences, Beijing, China
- 2008.03 – 2009.05 **Research Assistant**
Institute of VLSI Design, Zhejiang University, Hangzhou, China
- 2006.11 – 2008.03 **National Undergraduate Innovative Research Program of China**
Information and Communication Laboratory, Zhejiang University, Hangzhou, China

GRANTS

- 2012 Travel Grant, Int'l Symposium on Computer Architecture (**ISCA**)
- 2011 Travel Grant, Int'l Symposium on Computer Architecture (**ISCA**)
- 2011 Travel Grant, Int'l Symposium on High-Performance Computer Architecture (**HPCA**)
- 2008 National Undergraduate Innovative Research Grant, Ministry of Education of China

PROFESSIONAL ACTIVITIES

Membership

- Student member of IEEE and IEEE Computer Society; ACM SIGARCH, SIGMICRO

Reviewer

- IEEE Journal on Emerging and Selected Topics in Circuits and Systems (**JETCAS**)

External Reviewer

- ACM/IEEE Design Automation Conference (**DAC**: 2012)
- IEEE Int'l Symp. on High-Performance Computer Architecture (**HPCA**: 2012)
- IEEE Int'l Symp. on Performance Analysis of Systems and Software (**ISPASS**: 2010, 2011)
- IEEE Int'l Symp. on Workload Characterization (**IISWC**: 2010)
- Int'l Green Computing Conference (**IGCC**: 2012)

GRADUATE LEVEL COURSES

VLSI Circuits & Technology; Computer Architecture; Parallel Computer Architecture; Billion Transistor Computer Architecture; Autonomic Computing; Cloud Computing and Storage; Virtual Computer, Cyber-Physical Systems.

TEACHING EXPERIENCES

EEL 6935 - Billion Transistor Computer Architecture, Spring 2010

Description: Gave lectures on the applications and future trends of Green Computing

TECHNICAL SKILLS

- *Operating Systems*
Windows/UNIX/Linux
- *Languages*
C/C++, UPC, MPI, Python, Perl, Bash, MATLAB, HTML, Verilog HDL
- *Mathematical Modeling*
MATLAB/SIMULINK, MAPLE
- *Architectural Simulator and Tools*
M-Sim, Simics
- *Hardware Design*
Cadence Virtuoso, OrCAD/PSpice, Modelsim, NI Multisim, Xilinx ISE

REFERENCES

Dr. Tao Li (Advisor), <http://www.taoli.ece.ufl.edu/>
Associate Professor in the Department of Electrical and Computer Engineering
University of Florida