

PUBLICATIONS

Conference Papers

- **J. Z. Yan**, C. Chu and W. K. Mak, “SafeChoice: A Novel Clustering Algorithm for Wirelength-Driven Placement”, to appear in *Proceedings of ACM International Symposium on Physical Design*, 2010.
- **J. Z. Yan**, N. Viswanathan and C. Chu, “Handling Complexities in Modern Large-Scale Mixed-Size Placement”, in *Proceedings of IEEE/ACM Design Automation Conference*, pages 436-441, 2009.
- **J. Z. Yan** and C. Chu, “DeFer: Deferred Decision Making Enabled Fixed-Outline Floorplanner”, in *Proceedings of IEEE/ACM Design Automation Conference*, pages 161-166, 2008. (**Nominated for DAC Best Paper Award**)
- S. Sun, **Z. Yan** and J. Zambreno, “Experiments in Attacking FPGA-Based Embedded Systems using Differential Power Analysis”, in *Proceedings of IEEE International Conference on Electro/Information Technology*, pages 7-12, 2008.

Journal Papers

- **J. Z. Yan** and C. Chu, “DeFer: Deferred Decision Making Enabled Fixed-Outline Floorplanning Algorithm”, to appear in *IEEE Transactions on Computer-Aided Design*.
- S. Sun, **Z. Yan** and J. Zambreno, “Demonstrable Differential Power Analysis Attacks on Real-World FPGA-Based Embedded Systems”, *Integrated Computer-Aided Engineering*, vol.16, no. 2, pp. 119-130, April 2009.

AWARDS AND HONORS

Awards from **IEEE/ACM Design Automation Conference**, Anaheim, CA

- DAC Best Paper Award Nomination (*top 11 out of 639 submitted papers*), June 2008

Awards from **Iowa State University**, Ames, IA

- Graduate Research Innovation and Progress Award, April 2008

Awards from **Renesas Technology Corp.**, Tokyo, Japan

- Honor of Ultra-Excellent Student (*top 1 out of 340*), March 2005

Awards from **Huazhong University of Sci. and Tech.**, Wuhan, China

- Excellent Undergraduate Thesis Award (*top 10 out of 340*), June 2006
- 1st Place of TianYing Cup on Digital Circuits Design Competition, December 2004
- Honor of Excellent Student (*top 10 out of 340*), March 2004
- Honor of Excellent Student (*top 10 out of 340*), September 2003

SKILLS SET

- Programming languages: C, C++, Perl, Python, MPI
- Hardware description languages: Verilog HDL, VHDL
- EDA tools: Altera Quartus, Cadence Encounter, Cadence Virtuoso, Xilinx EDK, Protel, ModelSim
- Algorithm development environments: Matlab
- System knowledge: Linux, Unix, Windows 9X, XP, NT

REFERENCES

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