Zhao Xia

Electronics and Information Systems Department
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Education

Ph.D. Candidate in Electronics and Information Systems Department, Ghent University

M.S. Computer Science and Technology, National University of Defense Technology, 2014.

GPA: Top 2% All Core Courses are A.

Dissertation: "Parallel GPGPU Simulator and a Low-Cost NoC Design".

Supervisor: Prof. Zhiying Wang, Ass.Prof. Sheng Ma

B.S. Computer Science and Technology, Huazhong University of Science and Technology, 2012.

GPA: Top 5%

Research Interest

My research interests focus on computer architecture with an emphasis on GPGPUs system design, including Netowrk-on-Chip, Warp Schduling and Cache.

Research Experience

Ghent University, System Performance Lab

Research Assistant, September 2015–present.

National University of Defense Technology, Computer Architecture Group

Research Assistant, September 2012– May 2015.

Huazhong University of Science and Technology, SCTS Lab

Research Assistant, September 2011–May 2012.

Research

Conference Publications

1. **Xia Zhao**, Sheng Ma, Lieven Eeckhout, Zhiying Wang. (2016). A Low-Cost Conflict-Free NoC for GPGPUs. *53rd Design Automation Conference (DAC)*, 2016 (Acceptance rate: 152/876=17%).
2. **Xia Zhao**, Li Shen, Xin Liu, Zhiying Wang. (2014). Parallelization of GPU Simulator on Multi-core Platforms. *Advanced Computer Architecture (ACA)*, 2014 (Best Student Paper Award).

Journal Publications

3. **Xia Zhao**, Sheng Ma, Wei Chen and Zhiying Wang. Exploiting Parallelism in the Simulation of GPGPU Program. Accepted, *Journal of shanghai Jiaotong University (Science)*, 2015

Scientific Software

GPGPU-sim (MultiCore). A version of GPGPU-sim use multi-core to accelerate simulation

GPGPU-sim (MultiNode). A version of GPGPU-sim use multiple compute nodes to accelerate simulation

GPGPU-sim (CheckBoard). Recovered the work of Micro10 "Throughput-effective on-chip networks for many-core accelerators"

Grants, Fellowships, & Awards

Special Research Fund, Ghent University, 2016

CSC scholarship, China Scholarship Council, 2015

Best Student Paper, Advanced Computer Architecture, 2014 (2/67)

National Second Award, National Postgraduate Mathmatic Contest in Modeling, 2013

The Excellent Graduate, HuaZhong University of Science and Technology, 2012

National Encouragement scholarship, HuaZhong University of Science and Technology, 2012 (2%)

National Scholarship, HuaZhong University of Science and Technology, 2011 (1%)

Merit Student, HuaZhong University of Science and Technology, 2011

Other Skills

Programming Languages: C, C++, ASM, Python, Shell Script, Verilog, Lisp, ML, LaTeX.

Tools: A Linux Lover, the efficient tools in Linux, including vim, gcc, gdb .....

Languages: Chineses : Native speaker English: Fluent (IELTS 7.0)

Last updated: March 13, 2016