



Boqian Wang
boqian@kth.se
(+46) 735807309
Stockholm, Sweden

Boqian Wang

PhD student at KTH Royal Institute of Technology

About me I am now a PhD student in the School of Electrical Engineering and Computer Science (EECS) at KTH Royal Institute of Technology. I major in Network-on-Chip (NoC). My work is especially related to the high-performance computing in NoC which is based on the system architecture level and real application level behaviors. Besides, I also research into the high-performance solution of supporting AMBA AXI4 protocol in NoC based communication system.

Education

October 2016 - present, Sweden

PhD of Electrical Engineering and Computer Science at KTH Royal Institute of Technology

September 2013 - January 2016, China

MSc of Computer Science at Nation University of Defense Technology

September 2009 - July 2013, China

Bachelor of Computer Science at Nation University of Defense Technology

Publications

October 2016 - present, PhD

- **Boqian Wang** and Zhonghai Lu, “Advance Virtual Channel Reservation” in Proceedings of the Design, Automation & Test in Europe Conference & Exhibition (DATE), Florence, Italy, 2019.
- **Boqian Wang**, Zhonghai Lu, and Shenggang Chen, “ANN Based Admission Control for On-Chip Networks” in Proceedings of the 56th Design Automation Conference (DAC), USA, Las Vegas, 2019.
- **Boqian Wang** and Zhonghai Lu, “Advance Virtual Channel Reservation,” in IEEE Transactions on Computers (TC), vol. 69, no. 9, Sept, 2020.
- **Boqian Wang** and Zhonghai Lu, “Supporting QoS in AXI4 Based Communication Architecture,” in Proceedings of the Computer Society Annual Symposium on VLSI (ISVLSI), Limassol, Cyprus, 2020.

September 2013 - January 2016, MSc

- **Boqian Wang**, Qi Yu, Xin Liu, Li Shen, and Zhiying Wang, “A System Performance Estimation Model for Cassandra Database,” in International Journal of Database Theory and Application, 9(3): 123-136, 2016.
- **Boqian Wang**, Qi Yu, Xin Liu, Li Shen, and Zhiying Wang, “Efficient dynamic data management mechanism for Cassandra database”, in the Journal of Computer Science, 43(7), 197-202, 2016. (Translated from Chinese)

Honor & Award

- HiPEAC 2019 Paper Award for paper publication in the 56th Design Automation Conference (DAC).
- Outstanding graduate in 2013. (The rate is around 2%)
- Student Cluster Competition Standard Track, Highest LINPACK Performance Award in the International Conference for High Performance Computing, Network, Storage and Analysis (SC2012)

References

Prof. Zhonghai Lu (main supervisor)

School of Electrical Engineering and Computer Science (EECS) KTH Royal Institute of Technology

Email: zhonghai@kth.se

Phone: +46 87904168

Prof. Elena Dubrova (co-supervisor)

School of Electrical Engineering and Computer Science (EECS) KTH Royal Institute of Technology

Email: dubrova@kth.se

Phone: +46 87904114