

Yang Wang

CONTACT INFORMATION	Department of Computer Science and Engineering The Ohio State University 2015 Neil Avenue Columbus, Ohio 43210, USA	<i>Office:</i> DL 689 <i>Phone:</i> (614) 292-2577 <i>E-mail:</i> wang.7564@osu.edu http://web.cse.ohio-state.edu/~yangwang
RESEARCH INTERESTS	Large-scale distributed systems, fault tolerance, scalability, performance debugging	
EDUCATION	Ph.D. Computer Science, The University of Texas at Austin, 2014 Advisors: Dr. Lorenzo Alvisi (now at Cornell University) and Dr. Mike Dahlin (now at Google)	
	M.E. Computer Science and Technology, Tsinghua University, 2008 Advisor: Dr. Jiwu Shu	
	B.E. Computer Science and Technology, Tsinghua University, 2005	
ACADEMIC POSITIONS	Assistant Professor Computer Science, the Ohio State University, Jan. 2015 - Present Research Assistant Computer Science, the University of Texas at Austin, 2009 - 2014 Teaching Assistant Computer Science, the University of Texas at Austin, 2008 - 2009	
HONORS AND AWARDS	Google PhD Fellowship in Distributed Computing, 2013 - 2014 Best paper award, Systor 2014	
REFEREED PUBLICATIONS	Fang Zhou, Yifan Gan, Sixiang Ma and Yang Wang. “wPerf: Generic Off-CPU Analysis to Identify Critical Waiting Events”. To appear in <i>the 13th USENIX Symposium on Operating Systems Design and Implementation (OSDI 2018)</i> , Carlsbad, CA, October, 2018.	
	Rong Shi, Yifan Gan and Yang Wang. “Evaluating Scalability Bottlenecks by Workload Extrapolation”. To appear in <i>the 26th IEEE International Symposium on the Modeling, Analysis, and Simulation of Computer and Telecommunication Systems (MASCOTS 2018)</i> , Milwaukee, WI, September, 2018.	
	Sixiang Ma and Yang Wang. “Accurate Timeout Detection Despite Arbitrary Processing Delays”. <i>Proceedings of the 2018 USENIX Annual Technical Conference (USENIX ATC)</i> , Boston, MA, July, 2018.	
	Rong Shi and Yang Wang. “Cheap and Available State Machine Replication”. <i>Proceedings of the 2016 USENIX Annual Technical Conference (USENIX ATC)</i> , Denver, CO, June, 2016.	
	Chao Xie, Chunzhi Su, Cody Littley, Lorenzo Alvisi, Manos Kapritsos, and Yang Wang. “High-Performance ACID via Modular Concurrency Control”. <i>Proceedings of the 25th ACM Symposium on Operating Systems Principles (SOSP)</i> , Monterey, California, October, 2015.	
	Chao Xie, Chunzhi Su, Manos Kapritsos, Yang Wang, Navid Yaghmazadeh, Lorenzo Alvisi, and Prince Mahajan. “Salt: Combining ACID and BASE in a Distributed Database”. <i>Proceedings of the 11th USENIX Symposium on Operating Systems Design and Implementation (OSDI)</i> , Broomfield, CO, October, 2014.	

Mark Silberstein, Lakshmi Ganesh, Yang Wang, Lorenzo Alvisi, and Mike Dahlin. “Lazy Means Smart: Reducing Repair Bandwidth Costs in Erasure-coded Distributed Storage”. *Proceedings of the 7th ACM International Systems and Storage Conference (Systor)*, Haifa, Israel, June, 2014. Best paper award.

Yang Wang, Manos Kapritsos, Lorenzo Alvisi, and Mike Dahlin. “Exalt: Empowering Researchers to Evaluate Large-Scale Storage Systems”. *Proceedings of the 11th USENIX Symposium on Networked Systems Design and Implementation (NSDI)*, Seattle, WA, April, 2014.

Yang Wang, Manos Kapritsos, Zuocheng Ren, Prince Mahajan, Jeevitha Kirubanandam, Lorenzo Alvisi, and Mike Dahlin. “Robustness in the Salus scalable block store”, *Proceedings of the 10th USENIX Symposium on Networked Systems Design and Implementation (NSDI)*, Lombard, IL, April 2013.

Manos Kapritsos, Yang Wang, Vivien Quema, Allen Clement, Lorenzo Alvisi, and Mike Dahlin. “All about Eve: Execute-Verify Replication for Multi-Core Servers”, *Proceedings of 2012 Symposium on Operating Systems Design and Implementation (OSDI)*, Hollywood, CA, October 2012.

Yang Wang, Lorenzo Alvisi, and Mike Dahlin. “Gnothi: Separating Data and Metadata for Efficient and Available Storage Replication”, *Proceedings of 2012 USENIX Annual Technical Conference (USENIX ATC)*, Boston, MA, June 2012.

Yang Wang, Jiwu Shu, Guangyan Zhang, Wei Xue, and Weimin Zheng. “SOPA: Selecting the Optimal Policy Adaptively”. *ACM transactions on storage (TOS)*, Volume 6 Issue 2, July 2010.

Allen Clement, Manos Kapritsos, Sangmin Lee, Yang Wang, Lorenzo Alvisi, Mike Dahlin, and Taylor Riche. “UpRight Cluster Services”. *Proceedings of the 22nd ACM Symposium on Operating Systems Principles (SOSP)*, Big Sky, MT, October 2009.

PROFESSIONAL
EXPERIENCE

Program committee: ICDCS 2018, SOSP 2017 student grant committee, SoCC 2016, SysTOR 2016, DCOSS 2016, ICPP 2015

Reviewer: *IEEE Transactions on Parallel and Distributed Systems (TPDS)*, *ACM Transactions on Computer Systems (TOCS)*, *ACM Transactions on Parallel Computing (TOPC)*

TEACHING

- CSE6431 Advanced Operating System, Fall 2017.
- CSE2431 Operating System (System II), Spring 2017.
- CSE2431 Operating System (System II), Fall 2016.
- CSE5439 Large-scale Data Processing, Spring 2016.
- CSE2431 Operating System (System II), Fall 2015.

STUDENTS

- Rong Shi (Ph.D.)
- Sixiang Ma (Ph.D.)
- Yifan Gan (Ph.D.)
- Fang Zhou (Ph.D.)
- Zijian Hu (Master 2017): Facebook.