

Curriculum Vitae

An-I A. Wang

February 20, 2015

General Information

University address: Computer Science
College of Arts and Sciences
Love Building 253
Florida State University
Tallahassee, Florida 32306-4530
Phone: 850-645-1562

E-mail address: awang@cs.fsu.edu

Web site: <http://www.cs.fsu.edu/~awang/>

Professional Preparation

2003 Ph.D., University Of California, Los Angeles. Major: Computer Science.
Specialization: Operating Systems. Supervisor: Gerald Popek.

Wang, An-I A. (2003). *The Conquest File System: A Disk/Persistent-RAM Hybrid Design for Better Performance and Simpler Data Paths*. (Doctoral dissertation, University Of California, Los Angeles). Retrieved from ProQuest Dissertations and Theses, <http://search.proquest.com/docview/305353494?accountid=4840,3094262>.

1998 M.S., University of California, Los Angeles. Major: Computer Science.
Specialization: Operating Systems. Supervisor: Gerald Popek.

Wang, An-I A. (1998). *Simulation Evaluation for Optimistically Replicated Filing Environments*. Unpublished master's thesis, University of California, Los Angeles.

1995 B.A., University of California, Berkeley. Major: Computer Science. summa cum laude.

Professional Experience

2009–present Associate Professor, Computer Science, Florida State University.

2003–2009 Assistant Professor, Computer Science, Florida State University.
2003 Lecturer, University of California, Los Angeles.
1995–2003 Research Assistant, University of California, Los Angeles.
2000 Teaching Assistant, University of California, Los Angeles.
1994 EECS Summer Intern, IBM Almaden Research Center.

Honors, Awards, and Prizes

Nominee, FSU Developing Scholar Award, Florida State University (2010).
Nominee, University Undergraduate Teaching Award, Florida State University (2010).
NSF Faculty Early Career Development Award, National Science Foundation (2009).
Nominee, University Undergraduate Teaching Award, Florida State University (2006).

Current Membership in Professional Organizations

Association for Computing Machinery, Inc. (ACM)
USENIX: The Advanced Computing Systems Association

Teaching

Courses Taught

Advanced Operating Systems (COP5611)
Operating Systems Principles (COP4610)
Advanced Operating Systems (COP5611)
Operating Systems Principles (COP4610)
Principles of Operating Systems (CGS5765)
Special Topics in Computer Science (CIS4930)
Computer Systems Performance Evaluation (CIS5930)
Computer Systems Performance Evaluation (CIS4930)
Kernel and Device Driver Programming (COP5641)
Advanced Seminar in Computer Science (CIS6935)
LENS Seminar Series (CIS6935)
Operating Systems Reading Group (CIS6935)
Data Structures, Algorithms, and Generic Programming (COP4530)
Object-Oriented Programming with Data Structures (CGS5425)
Undergraduate Operating Systems Principles (at UCLA) (CS111)

New Course Development

Computer Systems Performance Evaluation (2009)
Kernel and Device Driver Programming (2007)
Operating Systems Principles (2004)
Advanced Operating Systems (2004)

Doctoral Committee Chair

Diesburg, S. M., graduate. (2012). *Per-file Full-data-path Secure Deletion for Electronic Storage*. [funded by NSF, DoE, PEO, and FSU]
Mitchell, M. J., doctoral candidate. [funded by NSF]
Dennis, B. B., doctoral student. [funded by DoE]
Roy, B., doctoral student. [funded by NSF]
Wang, W., doctoral student. [funded by NSF]

Doctoral Committee Cochair

Stanovich, M., doctoral candidate. [funded by NSF and FSU, co-directed with Ted Baker]

Doctoral Committee Member

West, P. E., graduate. (2010). *Next Generation Performance Monitoring*.
Hines, S. R., graduate. (2008). *Improving Processor Efficiency Through Enhance Instruction Fetch*.
Gavin, P., doctoral candidate. *A Presentation and Low-level Energy Usage Analysis of Two Low-power Architectural Techniques*.
Sposaro, F., doctoral student.

Doctoral Committee University Representative

Annane, B., doctoral candidate.

Master's Committee Chair

Pillay, M., graduate. (2013).
Bobba, B., graduate. (2013).
Buzbee, B., graduate. (2013).
Gourineni, A., graduate. (2013).
Sanders, J., graduate. (2011). [funded by DoE]
Cobbs, B., graduate. (2011).

Chauhan, S., graduate. (2009).
Mohanty, S., graduate. (2009).
Goyal, V., graduate. (2009).
Vyas, R., graduate. (2009).
Fishel, R., graduate. (2008). *Exploring RAID Configurations*.
Diesburg, S., graduate. (2008). [funded by DoE]
Fox, C., graduate. (2008). *Quantifying Temporal and Spatial Localities in Storage Workloads and Transformations by Data Path Components*. [funded by NSF]
Lary, D., graduate. (2008). *PonyFS: File-system-level Encryption-based Secure Erasure*.
Lojpur, D., graduate. (2008). [funded by NSF]
Stanovich, M., graduate. (2008). *Throttling On-disk Schedulers to Meet Soft-real-time Requirements*. [funded by NSF, co-directed with Ted Baker]
Qian, J., graduate. (2007). *A Behind-the-Scenes Story on Applying Cross-Layer Coordination to Disks and RAIDs*. [funded by NSF]
Toh, S., graduate. (2005).
Weddle, C., graduate. (2005). [funded by NSF]
Hu, Z., graduate. (2004).
Wang, Y., student.
Pagaku, S., student.
Zhang, S., student.
Chetty, H., student.
Fei, Q., student.
Kadahi, P., student.
Shyamala, S., student.

Master's Committee Cochair

Mitchell, M. J., graduate. (2011). *Context and Bio-aware Mobile Applications*. [funded by FSU, co-directed with Gary Tyson]
Mahajan, A., graduate. (2006). *Urban Mobility Models for Vehicular Ad Hoc Networks*. [funded by FSU, co-directed with Kartik Gopalan]
Potnis, N., graduate. (2006). *Evaluating Urban Deployment Scenarios for Vehicular Wireless Networks*. [funded by FSU, co-directed with Kartik Gopalan]

Master's Committee Member

Kamble, A., graduate. (2015).
Montee, G. M., graduate. (2011).
Sposaro, F., graduate. (2011).
Hekimian-Williams, C. B., graduate. (2009).
Achury, M., graduate. (2009).
Boindala, A., graduate. (2008).
West, P., graduate. (2008).
Erande, M., graduate. (2007).

Lakshminarayana, S., graduate. (2007).
Reece, G., graduate. (2006).
Rivera, C., graduate. (2005).
Xu, M., graduate. (2004).
Zhao, H., graduate. (2004).
Busey, J., graduate. (2004).

Bachelor's Committee Chair

Cassano, C., graduate. (2012). *A Comparison Study of Deduplication Methods with Small-Scale Workloads*. [funded by NSF]
Carpenter, M., graduate. (2006). *File Clustering for Efficient Backup Systems*. [funded by Bess Ward Fellows and Thesis Grant]
Oldham, M., graduate. (2005). *A Power and Performance Measurement Framework for Server-Class Storage*. [funded by NSF]

Bachelor's Committee Member

Khlaaf, H., graduate. (2012).

Supervision of Student Research Not Related to Thesis or Dissertation

Brandon Stephens (Aug 2014–May 2015).

Catanese, H. (Jan–May 2014).

Debraban, J. (Sep 2009–May 2010).

Kaal, K. (Sep 2008–May 2009).

Rosenthal, D. (Sep 2008–May 2009).

Willage, J. (Sep 2008–May 2009).

Roy, B. (Sep 2007–Dec 2008).

Zatkovich, N. (Sep 2007–May 2008).

Garcia, B. J. (Sep 2006–Dec 2007).

Patel, J. (Sep 2006–Dec 2007).

Meyers, C. (Sep 2006–May 2007).
Zhu, F. (Sep 2005–May 2006).
Ilf, B. (Sep 2004–Dec 2005).
Baylis, S. (Sep 2004–May 2005).
Fox, C. (Sep 2004–May 2005).
Gonzalez, J. (Sep 2004–May 2005).
Jones, K. (Sep 2004–May 2005).
Kulkarni, A. (Sep 2004–May 2005).
Owenby, C. (Sep 2004–May 2005).
Villmow, M. (Sep 2004–May 2005).

Research and Original Creative Work

875 Google Scholar Citations.

Publications

Invited Journal Articles

Weddle, C., Oldham, M., Qian, J., Wang, A. A., Reiher, P., & Kuenning, G. (2007). PARAID: A Gear-Shifting Power-Aware RAID. *ACM Transactions on Storage (TOS)*, 3(3), 13:1-13:33. Retrieved from <http://dl.acm.org/citation.cfm?id=1289721>

Refereed Journal Articles

Diesburg, S., Meyers, C., Stanovich, M., Wang, A., & Kuenning, G. (submitted). TrueErase: Leveraging an Auxiliary Data Path for Per-file Secure Deletion. *ACM Transactions on Storage*. Manuscript submitted for publication, 30 pages.

Buzbee, B. B., Wang, W., & Wang, A. A. (submitted). Power-Saving Approaches and Tradeoffs for Storage Systems. *ACM Computing Surveys*. Manuscript submitted for publication, 30 pages.

- Diesburg, S., & Wang, A. A. (2010). A Survey of Confidential Data Storage and Deletion Methods. *ACM Computing Surveys (CSUR)*, 43(1), 2:1-2:37. Retrieved from <http://dl.acm.org/citation.cfm?id=1824797>
- Wang, A. A., Kuenning, G., & Reiher, P. (2007). Using Permuted States and Validated Simulation to Analyze Conflict Rates in Optimistic Replication. *SCS Simulation: Transactions of the Society for Modeling and Simulation International*, 83(8), 551-569. Retrieved from <http://dl.acm.org/citation.cfm?id=1316483>
- Wang, A. A., Kuenning, G., Reiher, P., & Popek, G. (2006). The *Conquest* File System: Better Performance Through a Disk/Persistent-RAM Hybrid Design. *ACM Transactions on Storage (TOS)*, 2(3), 309-348. Retrieved from <http://dl.acm.org/citation.cfm?id=1168914>
- Nyugen, N. T., Wang, A. A., Kuenning, G. H., & Reiher, P. (2004). Electric-Field-Based Routing: A Reliable Framework for Routing in MANETs. *ACM SIGMOBILE Mobile Computing and Communications Review (MC2R)*, 8(2), 35-49. Retrieved from <http://dl.acm.org/citation.cfm?id=997129>

Invited Book Chapters

- Wang, A. A., Reiher, P., & Kuenning, G. (2003). Multipath Routing for Ad Hoc Networks. In Kia Makki, Niki Pissinou, Kami (Sam) Makki, & E. K. Park (Eds.), *Mobile and Wireless Internet: Protocols, Algorithms, and Systems* (pp. 245-261). Kluwer Academic Press.

Refereed Proceedings

- Mitchell, M., Wang, A., & Reiher, P. (submitted). *Cashtags: Protecting the Input and Display of Sensitive Data*. Manuscript submitted for publication, 13 pages.
- Mitchell, M., Patidar, R., Saini, M., Singh, P., Wang, A. A., & Reiher, P. (in press). Mobile Usage Patterns and Privacy Implications. In *2015 International Workshop on the Impact of Human Mobility in Pervasive Systems and Applications* (6 pages). IEEE.
- Wang, A. A., Tyson, G., Whalley, D., van Engelen, R., & Zhang, Z. (2014). A Journey toward Obtaining Our First NSF S-STEM (Scholarship) Grant. In *2014 ACM Special Interest Group on Computer Science Education (SIGCSE)* (pp. 6). ACM.
- Diesburg, S., Meyers, C., Stanovich, M., Mitchell, M., Marshall, J., Gould, J., Wang, A. A., & Kuenning, G. (2012). TrueErase: Full-storage-data-path Per-file Secure Deletion. In *Proceedings of the 2012 Annual Computer Security Applications Conference (ACSAC)* (pp. 439-449). ACM.
- Mitchell, M., Meyers, C., Wang, A. A., & Tyson, G. (2011). ContextProvider: Context Awareness for Medical Monitoring Applications. In *Proceedings of the 33rd Annual*

- International Conference on IEEE Engineering Medicine and Biology Society (EMBS)* (pp. 5244-5247). IEEE.
- Mitchell, M., Sposaro, F., Wang, A. A., & Tyson, G. (2011). BEAT: Bio-Environmental Android Tracking. In *Proceedings of the IEEE Topical Meeting on Biomedical Radio and Wireless Technologies, Networks, and Sensing Systems (RWW)* (pp. 402-405). IEEE.
- Stanovich, M., Baker, T., & Wang, A. A. (2011). Experience with Sporadic Server Scheduling in Linux: Theory vs. Practice. In *Proceedings of the 13th Real-Time Linux Workshop (RTLWS)* (pp. 219-230). OSADL.
- Stanovich, M., Baker, T., Wang, A. A., & Harbour, M. G. (2010). Defects of the POSIX Sporadic Server and How to Correct Them. In *Proceedings of the 16th IEEE Real-time and Embedded Technology and Applications Symposium (RTAS)* (pp. 35-45). IEEE.
- Diesburg, S., Meyers, C., Lary, D., & Wang, A. A. (2008). When Cryptography Meets Storage. In *Proceedings of the 4th International Workshop on Storage Security and Survivability (StorageSS)* (pp. 11-20). ACM.
- Fox, C., Lojpur, D., & Wang, A. A. (2008). Quantifying Temporal and Spatial Localities in Storage Workloads and Transformations by Data Path Components. In *Proceedings of the 16th Annual Meeting of the IEEE International Symposium on Modeling, Analysis, and Simulation (MASCOTS)* (pp. 1-10). IEEE.
- Qian, J., Meyers, C., & Wang, A. A. (2008). A Linux Implementation Validation of Track-Aligned Extents and Track-Aligned RAIDs. In *Proceedings of the 2008 USENIX Annual Technical Conference (ATC)* (pp. 261-266). USENIX.
- Stanovich, M., Baker, T. P., & Wang, A. A. (2008). Throttling On-Disk Schedulers to Meet Soft-Real-Time Requirements. In *Proceedings of the 14th IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS)* (pp. 331-341). IEEE.
- Baker, T. P., Wang, A. A., & Stanovich, M. (2007). Fitting Linux Device Drivers into an Analyzable Scheduling Framework. In *Proceedings of the 3rd Workshop on Operating System Platforms for Embedded Real-Time Applications* (pp. 9-18). IEEE.
- Lewandowski, M., Stanovich, M., Baker, T., Gopalan, K., & Wang, A. A. (2007). Modeling Device Driver Effects in Real-Time Schedulability Analysis: Study of a Network Driver. In *Proceedings of the 13th IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS)* (pp. 57-68). IEEE.
- Mahajan, A., Potnis, N., Gopalan, K., & Wang, A. A. (2007). Modeling VANET Deployment in URBAN Settings. In *Proceedings of the 10th ACM/IEEE International Symposium on Modeling, Analysis, and Simulation of Wireless and Mobile Systems (MSWiM)* (pp. 151-158). ACM/IEEE.

- Potnis, N., Mahajan, A., Wang, A. A., & Gopalan, K. (2007). Evaluation of Mesh-Enhanced VANET Deployment Models. In *Proceedings of the 16th International Conference on Computer Communications and Networks, Workshop on Advanced Networking and Communications* (pp. 862-867). IEEE.
- Weddle, C., Oldham, M., Qian, J., Wang, A. A., Reiher, P., & Kuenning, G. (2007). PARAID: A Gear-Shifting Power-Aware RAID. In *Proceedings of the 5th USENIX Conference on File and Storage Technologies (FAST)* (pp. 245-260). USENIX.
- Mahajan, A., Potnis, N., Gopalan, K., & Wang, A. A. (2006). Urban Mobility Models for VANETs. In *Proceedings of the 2nd IEEE International Workshop on Next Generation Wireless Networks*. IEEE.
- Wang, A. A., Kuenning, G., & Reiher, P. (2005). Using Permuted States and Validated Simulation to Analyze Conflict Rates in Optimistic Replication. In *Proceedings of the 2005 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS)* (pp. 929-939). SCS.
- Wang, A. A., Kuenning, G., & Reiher, P. (2005). Using Permuted States to Analyze Conflict Rates in Optimistic Peer-to-Peer Replication. In *Proceedings of the ACM International Conference on Measurement and Modeling of Computer Systems (SIGMETRICS)* (pp. 376-377). ACM.
- Wang, A. A., Kuenning, G., Reiher, P., & Popek, G. (2003). The Effects of Memory-Rich Environments on File System Microbenchmarks. In *Proceedings of the 2003 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS)* (pp. 745-754). SCS.
- Wang, A. A., Kuenning, G., Reiher, P., & Popek, G. (2002). Conquest: Better Performance Through a Disk/Persistent-RAM Hybrid File System. In *Proceedings of the 2002 USENIX Annual Technical Conference (ATC)* (pp. 15-28). USENIX.
- Wang, A. A., Reiher, P., Bagrodia, R., & Kuenning, G. (2002). Understanding the Behavior of Conflict-Rate Metric in Optimistic Peer Replication. In *Proceedings of the 5th IEEE International Workshop on Mobility in Databases and Distributed Systems (MDDS)* (pp. 757-761). IEEE.
- Wang, A. A., Kuenning, G., Reiher, P., & Popek, G. (2001). Position Summary: The Conquest File System—Life after Disks. In *Proceedings of the 8th IEEE Workshop on Hot Topics in Operating Systems (HotOS)* (pp. 186). IEEE.
- Wang, A. A., Reiher, P., & Bagrodia, R. (1999). A Simulation Evaluation of Optimistically Replicated Filing in Mobile Environments. In *Proceedings of the 18th IEEE International Performance, Computing, and Communication Conference (IPCCC)* (pp. 43-51). IEEE.

Kuenning, G., Guy, R., Popek, G., Reiher, P., & Wang, A. A. (1998). Measuring the Quality of Service of Optimistic Replication. In *Proceedings of the 12th European Conference on Object-Oriented Programming (ECOOP) Workshop on Mobility and Replication* (pp. 319-320). Springer.

Nonrefereed Reports

Mitchell, M., Reiher, P., & Wang, A. (2014). *Cashtags: Prevent Leaking Sensitive Information through Screen Display* (Technical Report TR-141209). Department of Computer Science, Florida State University.

Buzbee, B., Wang, W., & Wang, A. A. (2013). *Power-Saving Approaches and Tradeoffs for Storage Systems* (Technical Report TR-130627). Department of Computer Science: Florida State University.

Mitchell, M., Wang, A. A., & Reiher, P. (2013). *Mobile Usage Patterns and Privacy Implications* (Technical Report TR-131104). Florida State University.

Diesburg, S., Meyers, C., Stanovich, M., Mitchell, M., Marshall, J., Gould, J., Wang, A. A., & Kuenning, G. (2011). *TrueErase: Full-storage-data-path Per-file Secure Deletion* (Technical Report TR-111020). Department of Computer Science: Florida State University.

Mitchell, M., Meyers, C., Wang, A. A., & Tyson, G. (2011). *ContextProvider: Context Awareness for Medical Monitoring Applications* (Poster). Proceedings of the 33rd Annual International Conference on IEEE Engineering Medicine and Biology Society (EMBS).

Mitchell, M., Sposaro, F., Wang, A. A., & Tyson, G. (2011). *BEAT: Bio-Environmental Android Tracking* (Poster). Proceedings of the IEEE Topical Meeting on Biomedical Radio and Wireless Technologies, Networks, and Sensing Systems.

Diesburg, S., Meyers, C., & Wang, A. A. (2010). *Full-datapath Secure Deletion* (Poster). Grace Hopper Conference, Celebration of Women in Computing.

Datta, S., van Engelen, R., & Wang, A. A. (2009). *Predictux: A Framework for Predicting Incremental Release Times* (Technical Report TR-090120). Department of Computer Science: Florida State University.

Diesburg, S., Meyers, C., & Wang, A. A. (2009). *Full-datapath Secure Deletion* (Work-in-progress Report). On-line Proceedings of the 18th USENIX Security Symposium.

- Stanovich, M., Baker, T., Wang, A. A., & Harbour, M. G. (2009). *Defects of the POSIX Sporadic Server and How to Correct Them* (Technical Report TR-091026). Department of Computer Science: Florida State University.
- Diesburg, S., & Wang, A. A. (2008). *A Survey of Confidential Data Storage and Deletion Methods* (Technical Report TR-080508). Department of Computer Science: Florida State University.
- Fox, C., Lojpur, D., & Wang, A. A. (2008). *Quantifying Temporal and Spatial Localities in Storage Workloads and Transformations by Data Path Components* (Technical Report TR-080406). Department of Computer Science: Florida State University.
- Fox, C., Lojpur, D., & Wang, A. A. (2008). *Work-in-Progress Report: Quantifying Temporal and Spatial Localities due to File System Caching* (Work-in-progress Report). On-line Proceedings of the Sixth USENIX Conference on File and Storage Technologies (FAST).
- Qian, J., & Wang, A. A. (2007). *A Behind-the-Scenes Story on Applying Cross-Layer Coordination to Disks and RAIDs* (Technical Report TR-071015). Department of Computer Science: Florida State University.
- Stanovich, M. J., Baker, T. P., & Wang, A. A. (2007). *Throttling Disk Schedulers to Meet Soft-Real-Time Requirements* (Technical Report TR-071025). Department of Computer Science: Florida State University.
- Weddle, C., Oldham, M., Qian, J., Wang, A. A., Reiher, P., & Kuenning, G. (2006). *PARAID: Gear-Shifting Power-Aware RAID* (Technical Report TR-060323). Department of Computer Science: Florida State University.
- Mahajan, A., Potnis, N., Gopalan, K., & Wang, A. A. (2005). *Evaluation of Mobility Models for Vehicular Ad-hoc Network Simulations* (FSU Technical Report TR-051220). Department of Computer Science: Florida State University.
- Xu, R., Wang, A. A., Kuenning, G., Reiher, P., & Popek, G. (2003). *Work in Progress: Conquest—Combining Battery-backed RAM and Threshold-based Storage Scheme to Conserve Power* (Work-in-progress Report). On-line Proceedings of the 19th ACM Symposium on Operating Systems Principles (SOSP).
- Wang, A. A., Kuenning, G., Reiher, P., & Popek, G. (2002). *Work-in-Progress Report: Conquest: Better Performance Through a Disk/RAM Hybrid File System* (Work-in-progress Report). On-Line Proceedings of the First USENIX Conference on File and Storage Technologies (FAST).
- Wang, A. A., Reiher, P., & Bagrodia, R. (2001). *A Simulation Framework and Evaluation for Optimistically Replicated Filing Environments* (Technical report CSD-010046). Computer Science Department: University of California, Los Angeles.

Yarvis, M., Wang, A. A., Rudenko, A., Reiher, P., & Popek, G. (1999). *Conductor: Distributed Adaptation for Complex Networks* (Technical report CSD-990042). Computer Science Department: University of California, Los Angeles.

Wang, A. A., Reiher, P., & Bagrodia, R. (1997). *A Simulation Framework for Evaluating Optimistically Replicated Filing Environments* (Technical report CSD-970018). Computer Science Department: University of California, Los Angeles.

Presentations

Refereed Papers at Conferences

Wang, A. A., Kuenning, G., & Reiher, P. (presented 2005, June). *Using Permuted States to Analyze Conflict Rates in Optimistic Peer-to-Peer Replication*. Paper presented at International Conference on Measurement and Modeling of Computer Systems (SIGMETRICS), ACM. (International)

Wang, A. A., Kuenning, G., Reiher, P., & Popek, G. (presented 2002, June). *Conquest: Better Performance Through a Disk/Persistent-RAM Hybrid File System*. Paper presented at 2002 Annual Technical Conference (ATC), USENIX. (International)

Wang, A. A., Reiher, P., & Bagrodia, R. (presented 1999, February). *A Simulation Evaluation of Optimistically Replicated Filing in Mobile Environments*. Paper presented at 18th International Performance, Computing, and Communication Conference (IPCCC), IEEE. (International)

Refereed Papers at Symposia

Fox, C., Lojpur, D., & Wang, A. A. (presented 2008, May). *Quantifying Temporal and Spatial Localities in Storage Workloads and Transformations by Data Path Components*. In *16th Annual International Symposium on Modeling, Analysis, and Simulation (MASCOTS)*. Symposium conducted at the meeting of IEEE. (International)

Wang, A. A., Kuenning, G., & Reiher, P. (presented 2005, July). *Using Permuted States and Validated Simulation to Analyze Conflict Rates in Optimistic Replication*. In *2005 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS)*. Symposium conducted at the meeting of The Society for Modeling and Simulation International. (International)

Wang, A. A., Kuenning, G., Reiher, P., & Popek, G. (presented 2003, July). The Effects of Memory-Rich Environments on File System Microbenchmarks. In *2003 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS)*. Symposium conducted at the meeting of The Society for Modeling and Simulation International. (International)

Refereed Workshops

Wang, A. A., Reiher, P., Bagrodia, R., & Kuenning, G. (2002, September). *Understanding the Behavior of Conflict-Rate Metric in Optimistic Peer Replication*. Workshop delivered at 5th IEEE International Workshop on Mobility in Databases and Distributed Systems (MDDS), Aix-en-Provence, France. (International)

Wang, A. A., Kuenning, G., Reiher, P., & Popek, G. (2001, May). *Position Summary: The Conquest File System—Life after Disks*. Workshop delivered at 8th IEEE Workshop on Hot Topics in Operating Systems (HotOS). (International)

Invited Lectures and Readings of Original Work

Wang, A. (2014, November). *Applying for Graduate Schools*. Delivered at Florida State University. (Local)

Wang, A. (2014, November). *TrueErase: Full-storage-data-path Per-file Secure Deletion*. Delivered at Florida State University, Tallahassee, FL. (Local)

Wang, A. A. (2013, December). *TrueErase: Full-storage-data-path Per-file Secure Deletion*. Delivered at Florida State University, Tallahassee, FL. (Local)

Wang, A. A. (2012, December). *Full-storage-data-path Per-file Secure Deletion*. Delivered at Florida State University, Tallahassee, FL. (Local)

Wang, A. A. (2012, May). *A Survey of Power-Saving Techniques for Storage Systems*. Delivered at Chalmers University of Technology, Gothenburg, Sweden. (International)

Wang, A. A. (2012, May). *PARAID: A Gear-Shifting Power-Aware RAID*. Delivered at Chalmers University of Technology, Gothenburg, Sweden. (International)

Wang, A. A. (2012, May). *TrueErase: Full-storage-data-path Per-file Secure Deletion*. Delivered at Computer Science Research Seminar, Chalmers University of Technology, Gothenburg, Sweden. (International)

- Wang, A. A. (2011, November). *TrueErase: Full-storage-data-path Per-file Secure Deletion*. Delivered at 8th International Workshop Operating System Technologies for Large Scale NVRAM (NVRAMOS), Jeju Island, South Korea. (International)
- Wang, A. A. (2011, October). *TrueErase: Full-storage-data-path Per-file Secure Deletion*. Delivered at Computer Science Colloquium, Florida State University, Tallahassee, FL. (Local)
- Wang, A. A. (2010, November). *Some Ongoing Storage Research Projects*. Delivered at Computer Science Colloquium, Florida State University, Tallahassee, FL. (Local)
- Wang, A. A. (2009, October). *When Cryptography Meets Storage*. Delivered at Computer Science Colloquium, Florida State University, Tallahassee, FL. (Local)
- Wang, A. A. (2008, November). *My Passion for Digital Plumbing*. Delivered at Computer Science Colloquium, Florida State University, Tallahassee, FL. (Local)
- Wang, A. A. (2008, May). *Quantifying Temporal and Spatial Localities in Storage Workloads and Transformations by Data Path Components*. Delivered at 16th Annual Meeting of the IEEE International Symposium on Modeling, Analysis, and Simulation (MASCOTS). (International)
- Wang, A. A. (2008, April). *PARAID: A Gear-Shifting Power-Aware RAID*. Delivered at Computer Science Research Seminar, University of Wisconsin, Madison, Madison, WI. (State)
- Wang, A. A. (2008, March). *PARAID: A Gear-Shifting Power-Aware RAID*. Delivered at Computer Science Research Seminar, University of California, Santa Cruz, Santa Cruz, CA. (State)
- Wang, A. A. (2007, November). *PARAID: A Gear-Shifting Power-Aware RAID*. Delivered at Computer Science Colloquium, Harvey Mudd College, Claremont, CA. (State)
- Wang, A. A. (2007, November). *Some Research Frontiers in Storage Systems*. Delivered at Computer Science Colloquium, Florida State University, Tallahassee, FL. (Local)
- Wang, A. A. (2006, November). *Some Research Frontiers in Storage Systems*. Delivered at Computer Science Colloquium, Florida State University, Tallahassee, FL. (Local)
- Wang, A. A. (2006, May). *Conquest-2: Improving Energy Efficiency and Performance Through a Disk/RAM Hybrid File System*. Delivered at Computer Science Colloquium, University of California, Los Angeles, Los Angeles, CA. (State)

- Wang, A. A. (2005, December). *Conquest-2: Improving Energy Efficiency and Performance Through a Disk/RAM Hybrid File System*. Delivered at Computer Science Colloquium, Florida State University, Tallahassee, FL. (Local)
- Wang, A. A. (2005, November). *Conquest-2: Improving Energy Efficiency and Performance Through a Disk/RAM Hybrid File System*. Delivered at Computer Science Colloquium, University of Delaware, Newark, DE. (State)
- Wang, A. A. (2005, May). *Conquest-2: Improving Energy Efficiency and Performance Through a Disk/RAM Hybrid File System*. Delivered at Computer Science Colloquium, University of California, Riverside, Riverside, CA. (State)
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Diesburg, S. (Jan–Aug 2013).

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Nicole Brooks. (2013, October). Scholarships to Help Computer Science Fill Gaps in U.S. Job Market. *State*, 48(5), 12.

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Levine, K. (2009, October). Florida State Standouts: Sarah Diesburg. *Florida State Headlines*, 1.

Hellstrom, S. (2009, May). Florida State doctoral students win top research scholarships. *FSU News*, 1.

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Copps, E. (2009). Gone in a Flash. *Research in Review*, 61.

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Heffron, M. (1990, April). Perpetuating a Love of Learning—and the Scientists of Tomorrow. *Los Angeles Times*, 1.

Service

Florida State University

FSU University Service

Member, Student Technology Fee Advisory Committee (2013–2015).

Member, Graduate Policy Committee (2011–2012).

Panel member, NSF CAREER Workshop (2009–2011).

FSU Department Service

Chair, NSF S-STEM Scholarship Committee (2013–2018).

Member, Graduate Curriculum Committee (2013–2015).

Director, Undergraduate Recruiting (2009–2015).

Member, COP 4610 Course Committee (2006–2015).

Member, Ph.D. Portfolio Committee (2005–2015).

Coordinator, FITC Career Fair (2014).

Member, Admission and Aid Committee (2011–2014).

Member, Course Scheduling Committee (2012–2013).

Member, Faculty Evaluation Committee (2011–2012).

Faculty Advisor, Student Groups ACM and ACM-W (2011–2012).

Member, Department Chair Search Committee (2010–2011).

Judge, FSU ACM Programming Contest (2005–2010).

Member, Undergraduate Curriculum Committee (2008–2009).

Member, Equipment and Network Committee (2007–2008).

Member, Faculty Evaluation Committee (2006–2007).

Judge, Second FSU Computer Science Graduate Research Conference (2005–2006).

Member, Equipment and Network Committee (2004–2005).

Member, Faculty Recruiting Committee (2004–2005).

Head Judge, FSU ACM Programming Contest (2004–2005).

Judge, FSU Computer Science Graduate Research Conference (2004–2005).

Member, Admission and Aid Committee (2003–2004).

Judge, FSU ACM Programming Contest (2003–2004).

Member, Graduate Curriculum Committee (2003–2004).

The Profession

Guest Reviewer for Refereed Journals

Elsevier Ad Hoc Networks (2014).

Elsevier Performance Evaluation Journal (PEVA) (2014).

IEEE Communication Letters (CL) (2014).

CIC China Communication (2013).

Elsevier Ad Hoc Networks Journal (2013).

IEEE Transactions on Intelligent Transportation Systems (T-ITS) (2011–12).

IEEE Transactions on Computers (TC) (2008–12).

Elsevier Sustainable Computing Informatics and Systems (SUSCOM) (2011).

IEEE Communication Letters (CL) (2011).

ACM Computing Surveys (CSUR) (2010).

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IEEE Wireless Communications (WC) (2009).

ACM Transactions on Computers (TOCS) (2008).

IEEE Transactions on Mobile Computing (TMC) (2006–07).

Reviewer for Textbooks

System Administration, McGraw-Hill Higher Education (2009).

The Handbook of Computer Networks, John Wiley and Sons (2006).

Reviewer or Panelist for Grant Applications

National Science Foundation (2012–2013).

Department of Energy (DoE) (2010).

Natural Sciences and Engineering Research Council of Canada (NSERC) (2010).

Service to Professional Associations

Reviewer, 2014 IEEE Real-Time Systems Symposium (RTSS) (2014).

Reviewer, 27th ACM International Conference on Supercomputing (ICS) (2013).

Reviewer, 19th IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS) (2012).

Program Committee Member, 28th IEEE Symposium on Massive Storage Systems and Technologies (MSST) (2012).

Program Committee Member, 5th ACM Annual International Systems and Storage Conference (SYSTOR) (2012).

Program Committee Member, 2011 IEEE International Conference on Networking, Architecture, and Storage (NAS) (2011).

Program Committee Member, 8th International Workshop on Operating System Support for Next Generation Large Scale NVRAM (NVRAMOS) (2011).

Reviewer, 24th ACM/SigArch International Conference on Supercomputing (ICS) (2010).

Program Committee Member, ACM Annual International Systems and Storage Conference (SYSTOR) (2010).

Track Program Committee Member, IEEE Vehicular Networks and Applications Workshop, IEEE International Conference on Communications (ICC) (2010).

Reviewer, 1st IEEE International Conference on Networked Digital Technologies (NDT) (2009).

Program Committee Member, 2009 IEEE International Conference on Networking, Architecture, and Storage (NAS) (2009).

Track Program Committee Member, 2009 International Conference on Parallel Processing (ICPP) (2009).

Shadow Program Committee Member, 22nd ACM Symposium on Operating Systems Principles (SOSP) (2009).

Reviewer, 7th USENIX Conference on File and Storage Technologies (FAST) (2009).

Reviewer, IEEE International Conference on Communications 2009 (ICC) (2009).

Reviewer, IEEE Real-Time Systems Symposium (RTSS) (2008–2009).

Reviewer, 12th International Conference on Principles of Distributed Systems (OPODIS) (2008).

Reviewer, 15th IEEE Annual International Conference on High Performance Computing (HiPC) (2008).

Program Committee Member, 2008 IFIP International Conference on Embedded and Ubiquitous Computing (EUC), 2008 (2008).

Reviewer, 20th Euromicro Conference on Real-Time Systems (ECRTS) (2008).

Reviewer, 23rd ACM Annual Symposium on Applied Computing 2008 (SAC) (2008).

Reviewer, International Conference on Supercomputing (ICS) (2007–2008).

Reviewer, IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS) (2006–2007).

Reviewer, 13th International Symposium on High-Performance Computer Architecture (HPCA) (2006).

Reviewer, 14th IEEE International Conference on Network Protocols (ICNP) (2006).

Reviewer, 2005 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS) (2005).

Reviewer, 4th USENIX Conference on File and Storage Technologies (FAST) (2005).

Reviewer, 1st International Conference on Quality of Service in Heterogeneous Wired/Wireless Networks (2004).

Program Committee Member, International Workshop on Network Design and Architecture 2004 (2004).

Reviewer, 19th Annual ACM Symposium on Applied Computing 2004 (SAC) (2003).