EREZ ZADOK, CURRICULUM VITAE

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RESEARCH INTERESTS

Operating systems with a special focus on file systems, storage, clouds, big data, hard-ware/architecture, encryption, security, benchmarking, performance analysis and optimization, energy efficiency, and system administration.

EDUCATION

May 2001 Ph.D., Computer Science, Columbia University, New York, NY,

FiST: A System for Stackable File-System Code Generation.

Sep 1997 M.Phil., Computer Science, Columbia University, New York, NY

Oct 1994 M.S., Computer Science, Columbia University, New York, NY

Discovery and Hot Replacement of Replicated Read-Only File Systems, with Application to

Mobile Computing

May 1991 B.S., Computer Science, Columbia University, New York, NY

May 1982 Certified Technician, Electrical Engineering, Holtz College, Israel

PROFESSIONAL EXPERIENCE

Aug 2017-present Graduate Academic Adviser, Computer Science Department, Stony Brook University

Jan 2016–present Professor, Computer Science Department, Stony Brook University

Jan 2007–2015 Associate Professor, Computer Science Department, Stony Brook University

Jan 2001–Jan 2007 Assistant Professor, Computer Science Department, Stony Brook University

2013–present Director, Smart Energy Technologies (SET) Faculty Cluster, Stony Brook University

2021–present Technical Expert; Morrison & Forester, LLP.

2021–present Technical Expert; Jones Day, LLP.

2021–present Technical Expert; Orrick, Herrington & Sutcliffe, LLP.

2021 Technical Expert; Fasken Martineau DuMoulin LLP

2020–present Technical Expert; United States Attorney's Office, Eastern District of New York

2020 Technical Expert; Latham & Watkins, LLP

2020 Technical Expert; Morgan Lewis & Bockius LLP

2020–2021 Technical Expert; Covington & Burling, LLP

2019–2020 Technical Expert; Quinn Emanuel Urquhart & Sullivan, LLP

2019 Technical Expert; Hogan Lovells LLP.

2018–2020	Technical Expert; King & Spalding LLP.
2018–2019	Technical Expert; Orrick, Herrington & Sutcliffe, LLP.
2017–2018	Technical Expert; Weil, Gotshal & Manges LLP.
2017–2019	Technical Expert; Keker, Van Nest, & Peters LLP.
2016–2018	Technical Expert; Sterne, Kessler, Goldstein & Fox, P.L.L.C.
2015–2018	Technical Expert; Wilmer Cutler Pickering Hale and Dorr LLP. (WilmerHale)
2015–2017	Technical Expert; Ropes & Gray, LLP.
2014–2015	Technical Expert; Foley & Lardner, LLP.
2014–2016	Technical Expert; Latham & Watkins, LLP.
2014–2016	Technical Expert; Keker & Van Nest, LLP.
2013-present	Managing Member; Zadoks Consulting, LLC.
2013–2014	Technical Expert; Sterne, Kessler, Goldstein & Fox, P.L.L.C.
2013	Technical Expert; Akin, Gump, Strauss, Hauer & Feld, LLP.
2012–2015	Technical Expert; Susman Godfrey, LLP.
2012–2013	Technical Expert; Fish Richardson, LLP.
2010–2011	Technical Expert; Sughrue Mion, LLP.
2010	Technical Expert; One LLP.
2009–2010	Consultant; CTERA Networks, Inc.
2009-present	Consultant; Packet General Networks, Inc.
2006–2007	Technical Expert; Hennigan, Bennett, and Dorman, LLP.
1991–2000	Graduate Research Assistant, Computer Science Department, Columbia University
1999–2000	Director of Software Development, HydraWEB Technologies, Inc.
1994–1998	Project Leader, HydraWEB Technologies, Inc.
1990–1998	Consultant, SOS Corporation
1997	Manager of Computing Facilities, Computer Science Department, Columbia University
1991–1998	Technical Staff Member, Computer Science Department, Columbia University
1989–1991	Assistant Lab Manager, Academic Information Systems, Columbia University
1987–1989	Student Consultant, Academic Information Systems, Columbia University
1984–1986	National Army Service, Israeli Air Force, Israel
1982–1984	Programmer, Commodore Israel, Tel-Aviv, Israel
1981–1984	Computer Lab Manager, Holtz College, Tel-Aviv, Israel

PERSONAL

Born December 4, 1964, Tel-Aviv, Israel.

Married, one child.

Citizenships: U.S.A and Israel Fluent in English and Hebrew

Member: ACM, IEEE, IEEE Computer Society, USENIX

Affiliate: Storage Systems Research Center (SSRC), Jack Baskin School of Engineering, University of California, Santa Cruz, California.

Member: The I/O Traces, Tools and Analysis (IOTTA) Technical Work Group (TWG), part of the the Storage Networking Industry Association (SNIA).

FUNDING

FUNDING	
Oct 2021–present	CNS Core: Medium: Optimizing Storage Caches via Adaptive and Reconfigurable Tiering. NSF. \$800,000 (SBU share \$533,333, 3 years. Lead-PI with one other SBU faculty, collaborative with Emory University
Oct 2021–present	CNS Core: Medium: Secure, Reliable, and Efficient Long-Term Storage. NSF. \$1,198,842 (SBU share \$717,303, 4 years. Lead-PI with one other SBU faculty, collaborative with UC Santa Cruz.
2021–2022	Kubernetes/Containerizations on GPU Clusters for AI. SUNY-IBM AI Collaborative Research Alliance. \$100,000. Lead Co-PI with two others.
Oct 2020–present	SCC-IRG Track 1: Smart Aging: Connecting Communities Using Low-Cost and Secure Sensing Technologies. NSF Smart and Connected Communities. \$1,700,126, 4 years. Co-PI with five other SBU faculty.
2020	FMitF: Track I: NLP-Assisted Formal Verification of the NFS Distributed File System Protocol. NSF Research Experiences for Undergraduates (REU) supplement. \$16,000. Lead PI with two others.
2020	CNS Core: III: Medium: Collaborative Research: Optimizing and Understanding Large Parameter Spaces in Storage Systems. NSF Research Experiences for Undergraduates (REU) supplement. \$8,000. Lead PI with one other.
Oct 2019–present	CNS Core: III: Medium: Collaborative Research: Optimizing and Understanding Large Parameter Spaces in Storage Systems NSF. \$1,088,017 (SBU share \$823,142), 4 years. Lead-PI with one other SBU faculty, collaborative with Harvey Mudd College.
Oct 2019–present	FMitF: Track I: NLP-Assisted Formal Verification of the NFS Distributed File System Protocol NSF. \$748,300, 3 years. Lead-PI with two other SBU faculty.
2019	CI-SUSTAIN: National File System Trace Repository. NSF Research Experiences for Undergraduates (REU) supplement. \$8,000. Sole PI.
2019	Study of a Novel Non-Wearable Respiration and Heart Rate Sensor in Cardiopul-monary Exercise Testing. Stony Brook College of Engineering and Applied Sci-

ences, SEED grant. \$15,000, Co-PI with five others.

2019	Realizing the Full Performance and Parallelization Potential of Modern Storage Architectures for Big Data Applications. Stony Brook Research Foundation, SEED grant. \$60,000, Co-PI with Anshul Gandhi.
2018	Storage/Deduplication research. Dell-EMC Corporation. \$25,000, Single PI.
Jun 2017–present	CI-SUSTAIN: National File System Trace Repository. NSF. \$129,867 (SBU share), 3 years. Co-PI with lead institution Harvey Mudd College.
2017–2022	I/UCRC Phase II: Center for Visual and Decision Informatics (CVDI) Site at SUNY Stony Brook. NSF. \$400,000, 4 years. Co-PI with A. Kaufman, K. Mueller, H. Schwartz, and D. Samaras.
2017	Dell-EMC Corporation. Storage/Deduplication research, \$25,000, Single PI.
2016–2021	NRT-DESE: Interdisciplinary Graduate Training to Understand and Inform Decision Processes Using Advanced Spatial Data Analysis and Visualization (STRIDE). NSF. \$2,993,930, 5 years. Senior personnel.
Mar 2016–present	Early Detection of User-impersonating Attackers using Multilayer Tripwires, U.S. Office of Naval Research (ONR). \$586,215, 3 years. Co-PI with Nick Nikiforakis.
Jun 2016–2019	EAGER: Elastic Multi-layer Memcached Tiers NSF. \$257,165, 2 years. Co-PI with Anshul Gandhi.
2016	EMC Corporation. Storage/Deduplication research, \$25,000, Single PI.
2015	EMC Corporation. Storage/Deduplication research, \$25,000, Single PI.
Feb 2015	Student Travel Support for the 13 th USENIX Conference on File and Storage Technologies (FAST 2015). NSF. \$20,000, 1 year. Sole PI.
Sep 2014–2017	Adaptive Runtime Verification and Recovery for Mission-Critical Software. U.S. Air Force Office of Scientific Research (AFOSR). \$620,861, 3 years. Co-PI with Scott A. Smolka and Scott D. Stoller. (Collaboration with NASA JPL.)
Jan 2014–2016	Smarter Electric Grid Research, Innovation, Development, Demonstration, Deployment Center (SGRID3). Brookhaven Science Associates LLC (BNL), \$236,397, 1 year. Lead-PI with one other Stony Brook Co-PI.
2014	EMC Corporation. Storage/Deduplication research, \$25,000, Sole PI.
Jun 2013–2017	CSR: Medium: Collaborative Research: Workload-Aware Storage Architectures for Optimal Performance and Energy Efficiency. NSF. \$513,900 (SBU share, total budget \$1,000,000), 3 years. Lead-PI with one other Stony Brook Co-PI, and two more institutions (Harvard U. and Harvey Mudd College).
Jan 2013–2017	BIGDATA: Small: DCM: Collaborative Research: An efficient, versatile, scalable, and portable storage system for scientific data containers. NSF. \$444,267 (SBU share, total budget \$746,290), 3 years. Lead-PI with two other Stony Brook Co-PIs, and two more institutions (Brandeis U. and Louisiana State U.).
Sep 2013–2017	<i>CRI-CI-ADDO-EN: National File System Trace Repository.</i> NSF. \$37,018 (SBU share, total budget \$167,817), 3 years. Co-PI with lead institution Harvey Mudd College.

2013	Western Digital Research award. Shingled Magnetic Recording Disks Benchmarking, \$50,000, Single PI.
Sep 2012 – 2016	NFS4Sec: An Extensible Security Layer for Network Storage. NSF. \$486,783, 3 years. Lead-PI with one other Co-PI.
2012-2013	Server-Class Performance vs. Energy Optimizations. Government of Israel (GoI), Mission to the USA. \$47,152, 1 year. Lead PI with one other Co-PI.
2011	NetApp Research award. Dedup Workload Modeling, Synthetic Datasets, and Scalable Benchmarking, \$40,000, Single PI.
2010	NetApp Research award. A Study of Network Storage Benefits using FLASH Hardware with Indexing Workloads, \$40,000, Single PI.
Nov 2010 – 2016	Long Island Smart Energy Corridor. Department of Energy (DOE), LIPA, and New York State. Collaboration between Stony Brook University, SUNY Farmingdale, and LIPA. \$2,822,638, Co-PI.
Sep 2009 – Aug 2013	Collaborative Research: Performance- and Energy-Aware HEC Storage Stacks. NSF. \$652,000, 3 years. Co-PI with Geoff Kuenning (Harvey Mudd College)
Sep 2009 – Aug 2013	Collaborative Research: Secure Provenance in High End Computing Systems. NSF. \$564,972, 3 years. Co-PI with Radu Sion. Collaborative project with Patrick McDaniel (Penn State U.) and Marianne Winslett (UIUC).
Apr 2009 – Nov 2012	Survivable Software. U.S. Air Force Office of Scientific Research (AFOSR). \$881,691, 39 months. Co-PI with Scott A. Smolka, Radu Grosu, Scott D. Stoller, and Klaus Havelund (NASA JPL).
Feb 2010	Student Travel Support for the First USENIX Workshop on Sustainable Information Technology (SustainIT 2010). NSF. \$10,000, 1 year. Lead PI.
2009	Network Appliance Research award. <i>Power use in Storage Servers.</i> \$30,000 Single PI.
2008	The Impact of Storage Software and Aging on Power Consumption, IBM Faculty award (IBM T.J. Watson Labs). \$20,000, one year. Single PI.
2008	Network Appliance Equipment gift. <i>A Study of User File Access Patterns</i> . \$91,083 Single PI.
Sep 2007 – 2015	Center for Information Protection: A Multi-University Industry/University Collaborative Research Center. NSF. \$250,147, 5 years. Co-PI with R. Sekar (PI), Tzi-Cker Chiueh, Scott Stoller, and Radu Sion.
Sep 2006 – Aug 2009	CT-ISG: N3S: Networked Secure Searchable Storage with Privacy and Correctness Assurances. NSF. \$300,000, 3 years. Co-PI with Radu Sion.
Aug 2006 – Aug 2010	File System Tracing, Replaying, Profiling, and Analysis on HEC Systems. NSF. \$760,252, 3 years. Lead PI with Klaus Mueller (Stony Brook) and Ethan Miller (UC Santa Cruz).
Jul 2006	End-to-End File Server Security, IBM Faculty award (IBM Haifa Research Labs). \$20,000, one year. Single PI.

Jun 2006 – Aug 2010	CSR—PDOS: Support for Atomic Sequences of File System Operations. NSF. \$561,727, 3 years. Lead PI with Margo Seltzer (Harvard University).
Jan 2006 – Dec 2006	Secure File Systems, NY State "Millennium" award, \$204,528, one year. Co-PI with R. Sekar (PI), Tzi-Cker Chiueh, CR Ramakrishnan, Radu Sion, and Scott D. Stoller.
Jul 2005 – Aug 2010	CSR—AES: Runtime-Monitoring and Model Checking for High-Confidence Systems Software. NSF. \$830,000, 4 years. Lead PI with Radu Grosu, Y. Annie Liu, Scott Smolka, and Scott D. Stoller.
Sep 2005 – Aug 2004	I/UCRC: A Plan for Developing a Multi-University Industry/University Collaborative Research Center on Cyber Security. NSF. \$9,987, one year. Co-PI with R. Sekar, Radu Sion Scott D. Stoller, and Tzi-Cker Chiueh.
Sep 2004 – Aug 2009	Federal Cyber Service: Scholarship for Service (SFS). NSF. \$2,459,061, 4 years. Co-PI with R. Sekar, Scott D. Stoller, I. V. Ramakrishnan, and Tzi-Cker Chiueh.
Sep 2003 – Aug 2008	A Layered Approach to Securing Network File Systems. NSF Trusted Computing Program (TC). \$400,000, 3 years. Single PI.
Sep 2003 – Aug 2005	Collaborative Research: Capacity Expansion in Information Assurance. NSF Collaborative Research Proposal (CAP). \$199,883, 2 years. Co-PI with R. Sekar, Scott D. Stoller, and I. V. Ramakrishnan.
Sep 2002 – Aug 2007	CAREER : An In-Kernel Runtime Execution Environment for User-Level Programs. NSF Next Generation Software Program (NGS). \$400,000, 5 years. Single PI.
Jan 2003 – Dec 2003	Assessing the Technological Basis for Enterprise Protection, NIJ (CyberScience Lab) CSL. \$90,563, one year. Co-PI with R. Sekar, Tzi-cker Chiueh, and Scott D. Stoller.
Sep 2002 – May 2003	New York State Strategic Partnership for Industrial Resurgence (SPIR), with Packet General Networks. <i>S3: Secure Shared Storage</i> . \$94,581. Single PI.
May 2002 – Aug 2002	New York State Strategic Partnership for Industrial Resurgence (SPIR), with Packet General Networks. <i>A Secure and Scalable Network Appliance</i> . \$55,676. Single PI.
Apr 2003	Microsoft Tablet PC Seed Award. \$4,169. Single PI.
2002	HP/Intel IA-64/IPF Second Generation Equipment gift. <i>Linux Application Performance and File System Security.</i> \$131,529. Single PI.
2001	HP/Intel IA-64/IPF Equipment gift. <i>Linux Network Scalability and File System Reliability.</i> \$22,490. Single PI.
2001	Red Hat University software award.

AWARDS

Best paper award. M. Wajahat, A. Yele, T. Estro, A. Gandhi, and E. Zadok. Distribution fitting and performance modeling for storage traces. In 27th IEEE International Symposium on the Modeling, Analysis, and Simulation of Computer and Telecommunication Systems (MASCOTS 2019).

- Dean's "Million Miler" award (given lead PIs who secure more than one-million dollars of new funding in a given year), College of Engineering and Applied Sciences, Stony Brook University.
- Sep 2011 Best Paper Award. S. D. Stoller and E. Bartocci and J. Seyster and R. Grosu and K. Havelund and S. A. Smolka and E. Zadok. Runtime verification with state estimation. In proceedings of the 2nd International Conference on Runtime Verification (RV'11).
- Dec 2009 LISTnet's "Top 20 techies of Long Island" award.
- Aug 2008 Service Award (for 2006–2008), Stony Brook University, Computer Science Department
- 2008 IBM Faculty award (IBM T.J. Watson Labs)
- 2007–2008 Chancellor's Award for Excellence in Teaching, State University of New York (SUNY).
- 2007–2008 President's Award for Excellence in Teaching, Stony Brook University.
- Aug 2006 Research Excellence Award (for 2005–2006), Stony Brook University, Computer Science Department
- Jul 2006 IBM Faculty award (IBM Haifa Research Labs)
- Nov 2005 Best Short Paper Award. N. Joukov, A. Kashyap, G. Sivathanu, E. Zadok. Kefence: An Electric Fence for Kernel Buffers. In proceedings of the first ACM International Workshop on Storage Security and Survivability (StorageSS 2005), "The Paradigm Shift to Info-Centric Protection," held in conjunction with the 12th ACM Conference on Computer and Communications Security (CCS 2005).
- May 2005 Best Paper Award. N. Joukov, A. Rai, and E. Zadok. Increasing Distributed Storage Survivability with a Stackable RAID-like File System. In proceedings of the 2005 IEEE/ACM Workshop on Cluster Security, in conjunction with the Fifth IEEE/ACM International Symposium on Cluster Computing and the Grid (CCGrid).
- Aug 2004 Graduate Teaching and Research Award (for 2003–2004), Stony Brook University, Computer Science Department
- May 2003 Promising Inventor Award, The State University of New York, Research Foundation
- Sep 2002 NSF CAREER award, National Science Foundation
- Jun 2001 Best Student Paper. M. G. Schultz, E. Eskin, E. Zadok, M. Bhattacharyya, and S. J. Stolfo. MEF: Malicious Email Filter A UNIX Mail Filter that Detects Malicious Windows Executables. In *Proceedings of the Annual USENIX Technical Conference, FreeNIX Track*, pages 245–252, JUNE 2001.
- Jun 2000 Usenix Student Stipend award
- Jun 1999 Usenix Student Stipend award
- 1991 Dean's List
- 1991 NCR Best Undergraduate Research Award
- 1989–1990 Gussman Scholar
- 1988–1989 National Dean's List
- 1988–1989 Scheuer Foundation Presidential Scholar

PUBLICATIONS

Books

E. Zadok. Linux NFS and Automounter Administration. Sybex, Inc., May 2001.

Journal and Magazine Articles

Erez Zadok and Ada Gavrilovska. Running virtual pc (cpc) meetings. ;login: The USENIX Magazine, 45(2):54–56, July 2020.

Muhammad Wajahat, Aditya Yele, Tyler Estro, Anshul Gandhi, and Erez Zadok. Analyzing the distribution fit for storage workload and internet traffic traces. *Performance Evaluation*, pages 102–121, 2020.

George Amvrosiadis, Ali R. Butt, Vasily Tarasov, Erez Zadok, and Ming Zhao. Selected results of the workshop on data storage research 2025. *;login: The USENIX Magazine*, 44(4):24–28, December 2019.

Bharath Kumar Reddy Vangoor, Prafful Agarwal, Manu Mathew, Arun Ramachandran, Swaminathan Sivaraman, Vasily Tarasov, and Erez Zadok. Performance and resource utilization of FUSE user-space file systems. *ACM Transactions on Storage (TOS)*, 15(2), May 2019.

Zhen "Jason" Sun, Geoff Kuenning, Sonam Mandal, Philip Shilane, Vasily Tarasov, Nong Xiao, and Erez Zadok. Cluster and single-node analysis of long-term deduplication patterns. *ACM Transactions on Storage (TOS)*, 14(2), May 2018.

Ming Chen, Geetika Bangera, Dean Hildebrand Farhaan Jalia, Geoff Kuenning, Henry Nelson, and Erez Zadok. vNFS: Maximizing NFS performance with compounds and vectorized I/O. *ACM Transactions on Storage (TOS)*, 13(7), September 2017.

Vasily Tarasov, Erez Zadok, and Spencer Shepler. Filebench: A flexible framework for file system benchmarking. *;login: The USENIX Magazine*, 41(1):6–12, March 2016.

Z. Li, M. Chen, A. Mukker, and E. Zadok. On the trade-offs among performance, energy, and endurance in a versatile hybrid drive. *ACM Transactions on Storage (TOS)*, 11(3), July 2015.

Ming Chen, Dean Hildebrand, Geoff Kuenning, Soujanya Shankaranarayana, Bharat Singh, and Erez Zadok. Is NFSv4.1 ready for prime time? *;login: The USENIX Magazine*, 40(3):6–12, June 2015.

Zhiyuan Zhang, Kevin T. McDonnell, Erez Zadok, and Klaus Mueller. Visual correlation analysis of numerical and categorical data on the correlation map. *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, 21(2), February 2015.

Michael A. Bender, Martin Farach-Colton, Rob Johnson, Russell Kraner, Bradley C. Kuszmaul, Dzejla Medjedovic, Pablo Montes, Pradeep Shetty, Richard P. Spillane, and Erez Zadok. Don't thrash: How to cache your hash on flash. *PVLDB*, 5(11):1627–1637, August 2012.

J. Seyster, K. Dixit, X. Huang, R. Grosu, K. Havelund, S. A. Smolka, S. D. Stoller, and E. Zadok. InterAspect: Aspect-oriented instrumentation with GCC. *Formal Methods in System Design*, August 2012.

X. Huang, J. Seyster, S. Callanan, K. Dixit, R. Grosu, S. A. Smolka, S. D. Stoller, and E. Zadok. Software monitoring with controllable overhead. *International Journal on Software Tools for Technology Transfer (STTT)*, 14(3):327–347, 2012.

Priya Sehgal, Vasily Tarasov, and Erez Zadok. Optimizing energy and performance for server-class file system workloads. *ACM Transactions on Storage (TOS)*, 6(3), September 2010.

E. Zadok, V. Tarasov, and P. Sehgal. The case for specialized file systems, or, fighting file system obesity. *;login: The USENIX Magazine*, 35(1):38–40, February 2010.

M. T. Dougherty, M. J. Folk, E. Zadok, H. J. Bernstein, F. C. Bernstein, K. W. Eliceiri, W. Benger, and C. Best. Unifying biological image formats with hdf5. *Communications of the ACM (CACM)*, 52(10):42–47, October 2009.

A. Traeger and E. Zadok. Notes on a nine year study of file system and storage benchmarking. *Byte and Switch*, July 2009. www.byteandswitch.com/storage/storage-management/notes-on-a-nine-year-study-of-file-system-and-storage-benchmarking.php.

A. Traeger, E. Zadok, E. L. Miller, and D. D. E. Long. Findings from the first annual storage and file systems benchmarking workshop. *;login: The USENIX Magazine*, 33(5):113–117, October 2008.

Avishay Traeger, Erez Zadok, Nikolai Joukov, and Charles P. Wright. A nine year study of file system and storage benchmarking. *ACM Transactions on Storage (TOS)*, 4(2):25–80, May 2008.

C. P. Wright, R. Spillane, G. Sivathanu, and E. Zadok. Extending ACID semantics to the file system. *ACM Transactions on Storage (TOS)*, 3(2):1–42, June 2007.

Erez Zadok, Rakesh Iyer, Nikolai Joukov, Gopalan Sivathanu, and Charles P. Wright. On incremental file system development. *ACM Transactions on Storage (TOS)*, 2(2):161–196, 2006.

C. P. Wright, J. Dave, P. Gupta, H. Krishnan, D. P. Quigley, E. Zadok, and M. N. Zubair. Versatility and unix semantics in namespace unification. *ACM Transactions on Storage (TOS)*, 2(1):1–32, February 2006.

C. P. Wright and E. Zadok. Unionfs: Bringing file systems together. *Linux Journal*, 2004(128):24–29, December 2004.

E. Zadok. Using the Amd automounter. *Linux Journal*, 10(114):52–55, October 2003.

E. Zadok. Writing stackable file systems. Linux Journal, 05(109):22–25, May 2003.

W. Lee, W. Fan, M. Miller, S. Stolfo, and E. Zadok. Toward cost-sensitive modeling for intrusion detection and response. *Journal of Computer Security*, 10(1–2):5–22, January 2002.

Refereed Conference Papers

Wei Su, Yifei Liu, Gomathi Ganesan, Gerard Holzmann, Scott Smolka, Erez Zadok, and Geoff Kuenning. Model-checking support for file system development. In *HotStorage '21: Proceedings of the 13th ACM Workshop on Hot Topics in Storage*, Virtual, July 2021. ACM. To appear.

Ibrahim 'Umit' Akgun, Ali Selman Aydin, Aadil Shaikh, Lukas Velikov, and Erez Zadok. A machine learning framework to improve storage system performance. In *HotStorage '21: Proceedings of the 13th ACM Workshop on Hot Topics in Storage*, Virtual, July 2021. ACM. To appear.

Alex Merenstein, Vasily Tarasov, Ali Anwar, Deepavali Bhagwat, Julie Lee, Lukas Rupprecht, Dimitris Skourtis, Yang Yang, and Erez Zadok. CNSBench: A cloud native storage benchmark native storage. In *Proceedings of the 19th USENIX Conference on File and Storage Technologies (FAST)*, Virtual, February 2021. USENIX Association.

Alex Merenstein, Vasily Tarasov, Ali Anwar, Deepavali Bhagwat, Lukas Rupprecht, Dimitris Skourtis, and Erez Zadok. The case for benchmarking control operations in cloud native storage. In *HotStorage*

'20: Proceedings of the 12th USENIX Workshop on Hot Topics in Storage, Boston, MA, July 2020. USENIX.

Tyler Estro, Pranav Bhandari, Avani Wildani, and Erez Zadok. Desperately seeking ... optimal multitier cache configurations. In *HotStorage* '20: Proceedings of the 12th USENIX Workshop on Hot Topics in Storage, Boston, MA, July 2020. USENIX.

Wei Su, Akshay Auror, Ming Chen, and Erez Zadok. Supporting transactions for bulk NFSv4 compounds. In *Proceedings of the 13th ACM International Systems and Storage Conference (SYSTOR '20)*, Haifa, Israel, June 2020. ACM.

Ibrahim Umit Akgun, Geoff Kuenning, and Erez Zadok. Re-animator: Versatile high-fidelity storage-system tracing and replaying. In *Proceedings of the 13th ACM International Systems and Storage Conference (SYSTOR '20)*, Haifa, Israel, June 2020. ACM.

Elinor Schoenfeld, Fan Ye, Bing Zhou, Zongxing Xie, Erez Zadok, Xi Cheng, Jacqueline B. Mondros, Patricia Bruckenthal, and Jignesh Patel. Smart aging: Utilizing low-cost, non-wearable and secure sensing technologies to support the health and wellbeing of community dwelling older adults. In *Proceedings of the HIMSS 20 Preconference Session on Aging and Tech Forum: Addressing the Silver Tsunami*, Orlando, FL, March 2020.

Ibrahim Umit Akgun, Ali Selman Aydin, and Erez Zadok. KMLib: Towards machine learning for operating systems. In *Proceedings of the 2020 On-Device Intelligence Workshop, co-located with the MLSys Conference*, February 2020. Refereed abstract+poster.

Zhen Cao, Geoff Kuenning, and Erez Zadok. Carver: Finding important parameters for storage system tuning. In *Proceedings of the 18th USENIX Conference on File and Storage Technologies (FAST)*, Santa Clara, CA, February 2020. USENIX Association.

Muhammad Wajahat, Aditya Yele, Tyler Estro, Anshul Gandhi, and Erez Zadok. Distribution fitting and performance modeling for storage traces. In 27th IEEE International Symposium on the Modeling, Analysis, and Simulation of Computer and Telecommunication Systems (MASCOTS 2019), Rennes, France, October 2019. IEEE Computer Society. (Won best student paper award).

Anjul Tyagi, Zhen Cao, Tyler Estro, Klaus Mueller, and Erez Zadok. ICE: Interactive configuration explorer for high dimensional categorical parameter spaces. In *IEEE Conference on Visual Analytics Science and Technology (VAST 2019)*, October 2019.

Zhen Cao, Geoff Kuenning, Klaus Mueller, Anjul Tyagi, and Erez Zadok. Graphs are not enough: Using interactive visual analytics in storage research. In *HotStorage '19: Proceedings of the 11th USENIX Workshop on Hot Topics in Storage*, Renton, WA, July 2019. USENIX.

Ming Chen and Erez Zadok. Kurma: Secure geo-distributed multi-cloud storage gateways. In *Proceedings of the 12th ACM International Systems and Storage Conference (SYSTOR '19)*, Haifa, Israel, June 2019. ACM.

Zhen Cao, Vasily Tarasov, Sachin Tiwari, and Erez Zadok. Towards better understanding of black-box auto-tuning: A comparative analysis for storage systems. In *Proceedings of the Annual USENIX Technical Conference*, Boston, MA, July 2018. USENIX Association. Data set at http://download.filesystems.org/auto-tune/ATC-2018-auto-tune-data.sgl.gz.

S. Archak, S. Dixit, R.P. Spillane, and E. Zadok. Multi-tier caching, May 2018. US Patent 9,959,279.

Erez Zadok, Dean Hildebrand, Geoff Kuenning, and Keith Smith. POSIX is dead! Long live... errr... what exactly? In *HotStorage '17: Proceedings of the 9th USENIX Workshop on Hot Topics in Storage*, Santa Clara, CA, July 2017. USENIX. WACI track.

Ming Chen, Dean Hildebrand, Henry Nelson, Jasmit Saluja, Ashok Subramony, and Erez Zadok. vNFS: Maximizing NFS performance with compounds and vectorized I/O. In *Proceedings of the 15th USENIX Conference on File and Storage Technologies (FAST)*, pages 301–314, Santa Clara, CA, February-March 2017. USENIX Association. (Nominated for best paper award).

Bharath Kumar Reddy Vangoor, Vasily Tarasov, and Erez Zadok. To FUSE or not to FUSE: Performance of user-space file systems. In *Proceedings of the 15th USENIX Conference on File and Storage Technologies (FAST)*, pages 59–72, Santa Clara, CA, February-March 2017. USENIX Association.

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ACADEMIC SERVICE

Program Committee Chair

8	
2019-2020	The 2020 USENIX Annual Technical Conference (ATC 2020) program committee cochair.
2015	The 13th USENIX Conference on File and Storage Technologies (FAST 2015) program committee co-chair.
2012	The 5th Israeli Experimental Systems Conference (SYSTOR 2012), program committee co-chair.
2010	The First Usenix Workshop on Sustainable Information Technology (SustainIT 2010), program committee co-chair.
2008	The First File-systems and Storage Benchmarking workshop, program chair (hosted at the Storage Systems Research Center at the University of California at Santa Cruz).
2006	ACM Storage Security and Survivability (StorageSS) workshop, program committee co-chair.
2005	Usenix Annual Conference 2005, Invited Talks program co-chair
2004	Usenix Security 2004, Works-in-Progress program chair
2004	Usenix Security 2004, Poster presentations program chair
2003	USENIX FreeNIX 2003 Annual Conference, program chair
Panels	
June 2013	Panelist, EMC University Day, "University/Industry Relationships"
Jan 2012	NSF Sustainability Research Network (SRN) program
May 2010	Department of Energy, Computational and Technology Research program
Feb 2009	Panel moderator, The First Usenix Workshop on Sustainable Information Technology (SustainIT 2010), "The Present and Future of Sustainability R&D"
Oct 2009	Panelist, Workshop on Hot Topics in Storage and File Systems (HotStorage'09), "Rethinking File Systems"
Oct 2009	NSF CAREER (CSR+CNS) review panel
Apr 2007	NSF Computer Systems Research (CSR) Parallel and Distributed Operating Systems (PDOS) review panel
Aug 2004	NSF CyberTrust PI meeting panelist, "Software Assurance," Pittsburgh, PA
Aug 2004	Workshop on Information Assurance Education, Stony Brook University (WIAED 2004), panel chair, "How to establish your own IA Curriculum"
Apr 2004	NSF Distributed Systems and Compilers (DSC) review panel
Apr 2001	NSF ITR Operating Systems and Compilers (OSC) review panel, small grants
Editor	
2014-present	Editorial Board, USENIX Journal of Education in System Administration (JESA). www.usenix.org/jesa/

Aug 2009-present	Associate Editor, ACM Transactions on Storage (TOS). http://tos.acm.org/
Jul 2001–Jan 2009	Bulletin Editor, Webmaster, and lists maintainer for IEEE Technical Committee on Operating Systems and Application Environments (TCOS). www.tcos.org.
Book Reviews	
Summer 2014	Technical reviewer for <i>The Design and Implementation of the FreeBSD Operating System (2nd Edition)</i> , Addison-Wesley, 2014, by Marshall Kirk McKusick, George Neville-Neil, and Robert N.M. Watson.
Summer 2005	Technical reviewer for <i>Understanding the Linux Kernel</i> , O'Reilly, 3rd ed., by P. Bovet and M. Cesati
Summer 2005	Technical reviewer for <i>The Design and Implementation of the FreeBSD Operating System</i> , Addison-Wesley, 2005, by Marshall Kirk McKusick and George V. Neville-Neil (two chapters)
Summer 2002	Technical reviewer for <i>Understanding the Linux Kernel</i> , O'Reilly, 2nd ed., by P. Bovet and M. Cesati
January 1994	Chapter 14 in <i>UNIX Systems for Modern Architectures</i> by Curt Schimmel (Addison-Wesley, 1994)
Program Commi	ttee Member
2019	The 2019 USENIX Annual Technical Conference (ATC 2019), Renton, WA.
2018	The 10th USENIX Workshop on Hot Topics in Storage and File Systems (HotStorage '18), Boston, MA.
2018	The 9th Annual Non-Volatile Memories Workshop (NVME 2018), San Diego, CA.
2017	The 4th FAST/Linux Summit, Santa Clara, CA.
2016–2017	The 15th USENIX Conference on File and Storage Technologies (FAST '17), Santa Clara, CA.
2016	The 3rd FAST/Linux Summit, Santa Clara, CA.
2015	The 2nd FAST/Linux Summit, Santa Clara, CA.
2014	USENIX 2nd Summit for Educators in System Administration (SESA 2014), Seattle, Washington (co-located with LISA'14).
2014	The 7th Israeli ACM Experimental Systems Conference (ACM SYSTOR 2014), Haifa, Israel.
2014	The 12th USENIX Conference on File and Storage Technologies (FAST '14), Santa Clara, CA.
2014	The 1st FAST/Linux Summit, Santa Clara, CA.
2013	USENIX 1st Summit for Educators in System Administration (SESA 2013), Seattle, Washington (co-located with LISA'13).
2013	Interactions of NVM/Flash with Operating-Systems and Workloads Workshop (IN-FLOW 2013), Farmington, PA (co-located with SOSP'13).

2013	International Conference on Parallel and Distributed Systems (ICPADS 2013), Seoul, Korea.
2011	Operating System Support for Next Generation Large Scale NVRAM (NVRAMOS'11), Jeju Island, South Korea.
2011	The 4th Israeli Experimental Systems Conference (SYSTOR 2011), Haifa, Israel.
2011	The 27th IEEE Symposium on Massive Storage Systems and Technologies (MSST2011), Research Track. Colorado.
2011	The 2011 USENIX Annual Technical Conference
2010	The 26th IEEE Symposium on Massive Storage Systems and Technologies (MSST2010), Research Track. Incline Village, Nevada.
2010	The 3rd Israeli Experimental Systems Conference (SYSTOR 2010), Haifa, Israel.
2009	The 21st International Symposium on Computer Architecture and High Performance Computing (SBAC-PAD 2009).
2009	The first Usenix workshop on the theory and practice of provenance (TAPP '09).
2009	The 2009 ACM International Conference on Measurement and Modeling of Computer Systems (SIGMETRICS 2009), New York, NY.
2009	The 2nd Israeli Experimental Systems Conference (SYSTOR 2009), Haifa, Israel.
2008	Fifth USENIX Conference on File and Storage Technologies (FAST '08), San Jose, CA.
2007	The Third ACM International Workshop on Storage Security and Survivability (StorageSS 2007), Alexandria, VA
2007	Fifth USENIX Conference on File and Storage Technologies (FAST '07)
2006	CCGrid Cluster Security workshop (in conjunction with CCGrid 2006, the Sixth IEEE/ACM International Symposium on Cluster Computing and the Grid), Singapore, Korea.
2005	The 3rd International IEEE Security in Storage Workshop (co-sponsored by Usenix), San Francisco, CA
2005	The First ACM International Workshop on Storage Security and Survivability (StorageSS), "The Paradigm Shift to Info-Centric Protection," Fairfax, VA
2004–2005	CCGrid Cluster Security workshop (in conjunction with CCGrid 2005, the Fifth IEEE/ACM International Symposium on Cluster Computing and the Grid), Cardiff, UK
2004	Workshop on Information Assurance Education, Stony Brook University (WIAED 2004), organizer
2002	USENIX FreeNIX 2002 Annual Conference
2001	First USENIX Conference on File and Storage Technologies (FAST '02)

Session Chair

Jan 2015	The annual NSF Secure and Trustworthy Computing (SaTC) program PI meeting (SaTC-PI 2015), "Benchmarking and workloads"
Feb 2014	The 12th USENIX Conference on File and Storage Technologies (FAST '14), "Performance and Efficiency"
June 2011	The 2011 Usenix Annual Technical Conference (Usenix ATC '11), "Storage Deduplication"
July 2013	The 6th Israeli Experimental Systems Conference (SYSTOR '13), "Flash Optimization"
May 2011	The 4th Israeli Experimental Systems Conference (ACM SYSTOR '11), "Adaptation and performance"
May 2009	The 2nd Israeli Experimental Systems Conference (ACM SYSTOR '09), "Deduplication"
Feb 2009	The first Usenix workshop on the theory and practice of provenance (TAPP '09)
May 2009	Fifth USENIX Conference on File and Storage Technologies (FAST '07), "Beyond the Machine Room"
Nov 2005	ACM International Workshop on Storage Security and Survivability (StorageSS), "Cryptographic Storage Security"
	Usenix Security 2004, Works-in-Progress session chair
Aug 2004	Usenix Security 2004, Works-in-Progress session chair
Aug 2004	Usenix Security 2004, Poster presentations session chair
Jun 2002	USENIX FreeNIX Annual Conference, "File Systems"
Jun 2001	USENIX FreeNIX Annual Conference, "Scripting"
Referee	
Oct 2018	IEEE Transactions on Parallel and Distributed Systems (TDPS)
Aug 2017	ACM Transactions on Storage (TOS)
2016	Runtime Verification (RV) 2016
2011	Sustainable Computing Informatics and Systems journal
Nov 2010	ACM SIGMOD 2010
Oct 2010	IEEE Internet Computing
Jan 2010	ACM Transactions on Computers (TOCS)
Dec 2009	IEEE Transactions on Parallel and Distributed Systems (TPDS)
Feb 2009	USENIX FAST 2009
Feb 2007	USENIX Annual conference 2007
Jan 2007	Sigmetrics 2007
Jul 2006	Elsevier's Information Sciences journal

Feb 2006 USENIX Annual conference 2006

Aug 2005 USENIX FAST 2005

Aug 2004–present ACM Transactions on Storage (TOS) journal

Jun 2004 USENIX OSDI 2004

Nov 2003 USENIX FAST 2004

Dec 2002 USENIX FREENIX 2003

Jun 2002 USENIX OSDI 2002

May 2002 ACM Mobile Networks and Applications (MONET)

Mar 2002 16th Annual ACM International Conference on Supercomputing (ICS)

Mar 2002 LCTES/SCOPES '02: ACM SIGPLAN Joint Conference on Languages, Compilers,

and Tools for Embedded Systems and Software and Compilers for Embedded Systems.

Jan 2002 USENIX FreeNIX Annual Conference

Mar 2001 8th Workshop on Hot Topics in Operating Systems (HotOS-VIII)

Jan 2001 USENIX Annual Conference

Jan 2001 USENIX FreeNIX Annual Conference

May 2000 USENIX LISA 14

Dec 2000 USENIX Annual Conference

May 1999 USENIX LISA 13

May 1999 ACM Twelfth Annual Symposium on User Interface Software and Technology (UIST

'99)

Mar 1996 2nd International Mobile Computing Conference

1994 Trends in Software: Software Configuration Management

Committee Service

2017-present Member, Provost Committee on Faculty Mentorship, Stony Brook University

2017 Member, ad-hoc SL-2 hiring committee for CS Staff Assistant, Computer Science De-

partment, Stony Brook University

2016–present Member, STRIDE project advisory committee, Institute for Advanced Computational

Science (IACS) and Computer Science Department, Stony Brook University

2016–2019 Chair, Research and IT/Building Operations committee, Computer Science Depart-

ment, Stony Brook University (note: also official mentor to all junior CS faculty).

2016-2017 Member, ad-hoc hiring committee for CEAS Grant Writer, College of Engineering and

Applied Science, Stony Brook University

2016 Member, ABET funding cmte, College of Engineering and Applied Science, Stony

Brook University

2015-present	Steering Committee member, USENIX Filesystem and Storage Technologies Conference (USENIX FAST)
2014	Member, Executive committee, Computer Science Department, Stony Brook University
2014	Member, ad-hoc committee for selection of departmental award, Computer Science Department, Stony Brook University
2014	Member, Provost's Outstanding Lecturer Selection Committee, Stony Brook University
2013	Member, Provost's Interdisciplinary Faculty Cluster Selection Committee, Stony Brook University
2013-present	Undergraduate Curriculum Committee, Computer Science Department, Stony Brook University
2013-present	Member, Provost's Massive Open Online Courses (MOOCS) Task Force, Stony Brook University
2012-present	Steering Committee member, The Israeli ACM Experimental Systems Conference (ACM SYSTOR)
2011–2015	Co-Chair, IT Operations committee, Computer Science Department, Stony Brook University
2011–present	Member, University Senate Information Technology Committee, Stony Brook University
2011–present	Member, President's Information Technology Steering Committee on Email and Collaboration, Stony Brook University
2006–2011	Director of IT Operations, Computer Science Department, Stony Brook University
2010-present	Advanced Energy Research and Technology Center (AERTC), Center Director Search Committee member, Stony Brook University
2012	Member, Grant Writer Recruiting committee, Computer Science Department, Stony Brook University
2011	Staff Recruiting committee chair (Windows Server administrator), Computer Science Department, Stony Brook University
2010	Staff Recruiting committee chair (Unix/Networking administrator), Computer Science Department, Stony Brook University
2010	Departmental 5-year Strategic Planning Committee member, Computer Science Department, Stony Brook University
2010	Faculty Recruiting Committee, Computer Science Department, Stony Brook University
2010	Staff Recruiting committee member (Network Administrator), CEWIT Center, Stony Brook University
2010	President's Teaching Excellence Award Selection Committee, Stony Brook University

2009	Staff Recruiting committee chair (Windows client administrator), Computer Science Department, Stony Brook University
2009	Staff Recruiting committee chair (CVC manager), Computer Science Department, Stony Brook University
2009-present	Advanced Energy Research and Technology Center (AERTC), scientific advisor board member, Stony Brook University
2009	President's Teaching Excellence Award Selection Committee, Stony Brook University
2007–2008	Staff Recruiting committee chair (webmaster), Computer Science Department, Stony Brook University
2008-present	New CS building committee, Computer Science Department, Stony Brook University
2007	Staff Recruiting committee chair (Unix administrator), Computer Science Department, Stony Brook University
2007–2010	Co-Chair, IT Operations committee, Computer Science Department, Stony Brook University
2006–present	Center of Excellence in Wireless and Information Technologies (CEWIT) faculty advisory board member, Computer Science Department, Stony Brook University
2006–2007	Chair, Resources and Facilities sub-committee, part of an 8-year departmental review committee. Computer Science Department, Stony Brook University.
2003-present	Visibility (Ranking) committee, Computer Science Department, Stony Brook University
2003-present	Graduate Committee, Computer Science Department, Stony Brook University
2003-present	Permanent Graduate Quals committee, Computer Science Department, Stony Brook University
2003-present	Center of Excellence in Wireless and Information Technologies (CEWIT) committee, Computer Science Department, Stony Brook University
2002-present	Web Site Design committee, Computer Science Department, Stony Brook University
2002-present	Operations Committee, Computer Science Department, Stony Brook University
2001–2006	Faculty Recruiting Committee, Computer Science Department, Stony Brook University
2002–2006	Graduate Recruiting Poster Committee, Computer Science Department, Stony Brook University
2005	SFS Program Director Recruiting committee, Computer Science Department, Stony Brook University
2004	Staff Recruiting committee, Computer Science Department, Stony Brook University
2004	Undergraduate Curriculum Review ad-hoc committee, Computer Science Department, Stony Brook University
2003	PI Award Interface (PIAI) Review committee, Stony Brook University

2003	Graduate Brochure committee, Computer Science Department, Stony Brook University
Spring 2002	Graduate Student Admissions committee, Computer Science Department, Stony Brook University
2002–2003	Graduate Quals Revisions committee, Computer Science Department, Stony Brook University
Spring 2002	Graduate Student Admissions Committee, Computer Science Department, Stony Brook University
Fall 2001	Undergraduate Curriculum Committee, Computer Science Department, Stony Brook University
Fall 2001	Domestic Graduate Student Recruiting Committee, Computer Science Department, Stony Brook University
Fall 2001	Quality of Life Committee, Computer Science Department, Stony Brook University
2001	Ph.D. and M.S. Recruiting Committee, Computer Science Department, Stony Brook University
1998–2000	Ph.D. Committee, Columbia University
1998–1999	Ph.D. Admissions Committee, Columbia University
1990–1999	Facilities Committee, Columbia University
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Ph.D. Dissertation Defense Committee

Jan 2019	Adviser, A Practical Auto-Tuning Framework for Storage Systems, Zhen Cao, Computer Science Department, Stony Brook University.
Oct 2017	Optimizing System Software with B^{ε} Trees, William Jannen, Computer Science Department, Stony Brook University.
May 2017	Committee Chair, Yifeng Sun, <i>Protection Mechanisms for Virtual Machines on Virtualized Servers</i> , Computer Science Department, Stony Brook University.
Apr 2017	Adviser, Kurma: Efficient and Secure Multi-Cloud Storage Gateways for Network-Attached Storage, Ming Chen, Computer Science Department, Stony Brook University.
Sep 2014	Committee Chair, <i>Achieving Regulatory Compliance in Data Management</i> , Sumit Bajaj, Computer Science Department, Stony Brook University.
May 2014	Adviser, GreenDM: A Versatile Tiering Hybrid Drive for the Trade-Off Evaluation of Performance, Energy, and Endurance, Zhichao Li, Computer Science Department, Stony Brook University.
May 2014	Committee Chair, Efficient Implementation Techniques for Block-Level Cloud Storage Systems Dilip Simha, Computer Science Department, Stony Brook University.
Dec 2013	Adviser, Multi-dimensional Workload Analysis and Synthesis for Modern Storage Systems, Vasily Tarasov, Computer Science Department, Stony Brook University.
May 2012	Committee Chair, <i>Practical Oblivious Outsourced Data Processing</i> , Peter Williams, Computer Science Department, Stony Brook University.

Jan 2012	Adviser, Efficient, Scalable, and Versatile Application and System Transaction Management for Direct Storage Layers, Richard P. Spillane, Computer Science Department, Stony Brook University.
Aug 2009	Virtualization Mechanisms for Mobility, Security and System Administration, Shaya Potter, Computer Science Department, Columbia University.
Aug 2009	Adviser, Flexible Debugging with Controllable Overhead, Sean Callanan, Computer Science Department, Stony Brook University.
Sep 2008	Committee chair, <i>Repairable File and Storage Systems</i> , Ningning Zhu, Computer Science Department, Stony Brook University.
Aug 2008	Adviser, Analyzing Root Causes of Latency Distributions, Avishay Traeger, Computer Science Department, Stony Brook University.
Aug 2008	Programmable Ethernet Switches and Their Applications, Srikant Sharma, Computer Science Department, Stony Brook University.
May 2008	Committee chair, <i>Practical Information Flow Based Techniques to Safeguard Host Integrity</i> ", Weiqing Sun, Computer Science Department, Stony Brook University.
Feb 2008	Adviser, End-to-End Abstractions for Application-Aware Storage, Gopalan Sivathanu (advisee), Computer Science Department, Stony Brook University.
Dec 2006	Adviser, Versatile, Portable, and Efficient File System Profiling, Nikolai Joukov (advisee), Computer Science Department, Stony Brook University.
Jul 2006	Committee chair, Availability, Fairness, and Performance Optimization in Storage Virtualization Systems, Gang "Jason" Peng, Computer Science Department, Stony Brook University.
Jun 2006	Implementation Techniques for Scalable, Secure and QoS-Guaranteed Enterprise-Grade Wireless LANs, Fanglu Guo, Computer Science Department, Stony Brook University.
May 2006	Adviser, Extending ACID Semantics to the File System via ptrace, Charles P. Wright (advisee), Computer Science Department, Stony Brook University.
Aug 2002	Authoring, Compression, and Playback of Active Video Content, Anindya Neogi, Computer Science Department, Stony Brook University.
M.S. Thesis Defense Committee	
Dec 2016	Adviser, To FUSE or not to FUSE? Analysis and Performance Characterization of the FUSE User-Space File System Framework, Bharath Kumar Reddy Vangoor, Computer Science Department, Stony Brook University.
May 2015	Adviser, Finding the Right Balance: Security vs. Performance with Network Storage Systems, Arun Olappamanna Vasudevan, Computer Science Department, Stony Brook University.
May 2012	Adviser, A Context Aware Block Layer: The Case for Block Layer Deduplication, Amar Mudrankit, Computer Science Department, Stony Brook University.
May 2012	Adviser, From Tuples to Files: a Fast Transactional System Store and File System,

Pradeep Shetty, Computer Science Department, Stony Brook University.

December 2010	TRACECUT: a mechanism of providing history based pointcuts on top of InterAspect, Ketan Dixit, Computer Science Department, Stony Brook University.
May 2010	Adviser, <i>Stopping Data Races Using Redflag</i> , Abhinav Duggal, Computer Science Department, Stony Brook University.
May 2010	Adviser, Optimizing Energy and Performance for Server-Class File System Workloads, Priya Sehgal, Computer Science Department, Stony Brook University.
May 2010	Model Checking the Kaminsky DNS Cache-Poisoning Attack Using PRISM, Tushar Sudas Deshpande, Computer Science Department, Stony Brook University.
May 2010	Committee chair, <i>LFSM (Log Structured Flash Storage Manager)</i> Gautham Meruva, Computer Science Department, Stony Brook University.
Apr 2009	Adviser, <i>The Visual Development of GCC Plug-ins with GDE</i> Daniel J. Dean, Computer Science Department, Stony Brook University.
Apr 2009	Adviser, Energy and Performance Evaluation of Lossless File Data Compression on Computer Systems Rachita Kothiyal, Computer Science Department, Stony Brook University.
May 2007	Adviser, <i>PLEASE: Policy Language for Easy Administration of SELinux</i> , David P. Quigley, Computer Science Department, Stony Brook University.
Jun 2006	Towards the Minimal TCP Offload Architecture, Lakshmi Kumar Tiruppukuzhi, Computer Science Department, Stony Brook University.
Jun 2006	An Approach to Protect System Integrity from Untrusted Applications, Gaurav Poothia, Computer Science Department, Stony Brook University.
Dec 2005	Adviser, Storage Virtualization with a Stackable File System, Sunil Satnur, Computer Science Department, Stony Brook University.
Dec 2004	Adviser, File System Extensibility and Reliability Using an in-Kernel Databases System, Aditya Kashyap, Computer Science Department, Stony Brook University.
Aug 2004	Adviser, Versatile File System Tracing with Tracefs, Akshat Aranya, Computer Science Department, Stony Brook University.
Mar 2004	System and Network Management Using State Machines, Mohan-Krishna Channa-Reddy, Computer Science Department, Stony Brook University.
Dec 2003	Adviser, Versionfs: A Versatile and User-Oriented Versioning File System, Kiran-Kumar Muniswamy-Reddy (advisee), Computer Science Department, Stony Brook University.
Aug 2003	WattProbe: Software-Based Empirical Extraction of Hardware Energy Models, Manish Prasad, Computer Science Department, Stony Brook University.
Jun 2003	Adviser, A System for Improving Application Performance Through System Call Composition, Amit Purohit, Computer Science Department, Stony Brook University.

Ph.D. Thesis-Proposal (Prelim) Committee

Apr 2019 Cost-Efficient Dynamic Management of Cloud Resources through Supervised Learning, Muhammad Wajahat, Computer Science Department, Stony Brook University.

Dec 2018	Predicting the Future of Archival Storage Using Simulation, James Byron, Computer Science Department, UC Santa Cruz.
Nov 2018	Committee chair, Analytical Approaches for Dynamic Scheduling in Cloud Environments, Seyyed Ahmad Javadi, Computer Science Department, Stony Brook University.
Jun 2018	Committee chair, Appearance Aware Visualization of High Dimensional Data, Jenny Hyunjung Lee, Computer Science Department, Stony Brook University.
Apr 2018	A Practical, Real-Time Auto-Tuning Framework for Storage Systems, Zhen Cao, Computer Science Department, Stony Brook University.
Apr 2017	Optimizing System Software with B^{ε} Trees, William Jannen, Computer Science Department, Stony Brook University.
Nov 2015	KURMA: Geo-Distributed Secure Middlewares for Cloud-Backed Network Attached Storage, Ming Chen, Computer Science Department, Stony Brook University.
Dec 2014	Economic Modeling of Long-Term Digital Storage, Preeti Gupta, Computer Science Department, the University of California at Santa Cruz.
Oct 2013	Achieving Regulatory Compliance in Data Management, Sumit Bajaj, Computer Science Department, Stony Brook University.
Aug 2013	Committee chair, <i>Implementation Techniques for Software-Defined Distributed Storage Systems</i> , Dilip Simha, Computer Science Department, Stony Brook University.
May 2013	Adviser, System-Aware Resource Scheduling for Performance, Energy, and Reliability in Tiered Storage Systems, Zhichao Li, Computer Science Department, Stony Brook University.
Apr 2013	Adviser, Multi-dimensional Workload Analysis and Synthesis for Modern Storage Systems, Vasily Tarasov, Computer Science Department, Stony Brook University.
Jan 2012	Adviser, Runtime Verification of Kernel-Level Concurrency Using Compiler-Based Instrumentation, Justin Seyster, Computer Science Department, Stony Brook University.
Aug 2011	Adviser, Efficient, Scalable, and Versatile Application and System Transaction Management for Direct Storage Layers Richard P. Spillane, Computer Science Department, Stony Brook University.
May 2011	Practical Oblivious Outsourced Data Processing Peter Williams, Computer Science Department, Stony Brook University.
Dec 2008	Organizing, Indexing, and Searching Large-Scale File Systems Andrew Leung, Computer Science Department, the University of California at Santa Cruz.
Mar 2008	Adviser, <i>Remote Debugging with Controllable Overhead</i> Sean Callanan, Computer Science Department, Stony Brook University.
Feb 2008	Adviser, Analyzing Root Causes of Latency Distributions, Avishay Traeger, Computer Science Department, Stony Brook University.
Oct 2007	Practical Information Flow Based Techniques to Safeguard Host Integrity", Weiqing Sun, Computer Science Department, Stony Brook University.
Aug 2007	Committee chair, OS-level Virtualization and Its Applications, Yang Yu, Computer Science Department, Stony Brook University.

May 2007	Adviser, <i>End-to-End Abstractions for Application-Aware Storage</i> , Gopalan Sivathanu, Computer Science Department, Stony Brook University.
Jun 2006	Building Enterprise-Grade Wireless LAN with High Mobility, Capacity and Security, Fanglu Guo, Computer Science Department, Stony Brook University.
Apr 2006	Adviser, Versatile, Portable, and Efficient File System Profiling, Nikolai Joukov, Computer Science Department, Stony Brook University.
Jan 2006	Adviser, <i>Extending ACID Semantics to the File System</i> , Charles P. Wright, Computer Science Department, Stony Brook University.
Aug 2005	Committee chair, <i>Repairable File and Storage Systems</i> , Ningning Zhu, Computer Science Department, Stony Brook University.
Dec 2004	Committee chair, <i>Programmable Ethernet switch networks and their applications</i> , Srikant Sharma, Computer Science Department, Stony Brook University.
Sep 2004	Committee chair, <i>Availability Support and Performance Optimization in Stonehenge</i> , Gang "Jason" Peng, Computer Science Department, Stony Brook University.
Mar 2002	Stonehenge: A High Performance Virtualized Storage Cluster With QoS Guarantees, Lan Huang, Computer Science Department, Stony Brook University.
Oct 2001	A System for Collaborative Web Resource Categorization and Ranking, Maxim Lifantsev.
May 2001	Authoring, Compression, and Playback of Active Video Content, Anindya Neogi, Computer Science Department, Stony Brook University.
Ph.D. Research Proficiency Exam (RPE) Committee	
3.6 2010	

i ii.D. Research i	Tonciency Exam (KTE) Committee
May 2019	Re-Animator: Versatile High-Fidelity System-Call Tracing and Replaying Ibrahim "Umit" Akgun, Computer Science Department, Stony Brook University.
Aug 2018	Committee chair, <i>Reducing tail latency in web applications by addressing variability in service times</i> , Amoghavarsha Suresh, Computer Science Department, Stony Brook University.
Apr 2018	Committee chair, <i>Realizing an Elastic Memcached via Cached Data Migration</i> , Ubaid Ullah Hafeez, Computer Science Department, Stony Brook University.
Sep 2016	Dynamic Interference-Aware Load Balancing, Seyyed Ahmad Javadi, Computer Science Department, Stony Brook University.
May 2016	Committee chair, <i>Leveraging Machine Learning for Black-Box Autoscaling</i> , Muhammad Wajahat, Computer Science Department, Stony Brook University.
Apr 2016	Spatial Big Data Management and Analytics on Cloud environments and modern computing infrastructures Hoang Vo, Computer Science Department, Stony Brook University.
Jan 2016	Parametric Optimization of Storage Systems Zhen Cao, Computer Science Department, Stony Brook University.
Dec 2015	Design and Implementation of an Open-Source Deduplication Platform for Research Sonam Mandal, Computer Science Department, Stony Brook University.

Sep 2012	The Design and Application of Content Addressable Storage Systems, William Jannen Computer Science Department, Stony Brook University.
Aug 2012	Committee chair, <i>Interaction for Visualization of Multidimensional Data</i> , Puripant Ruchikachorn, Computer Science Department, Stony Brook University.
Nov 2011	Committee chair, <i>Trusted Hardware in Secure Data Management</i> , Sumit Bajaj, Computer Science Department, Stony Brook University.
Sep 2011	Committee chair, Isolated and Efficient Execution of Unmodified Network Device Drivers, Yifeng Sun, Computer Science Department, Stony Brook University.
Sep 2011	Committee chair, <i>The Art of Data Deduplication</i> , DilipSimha N M, Computer Science Department, Stony Brook University.
Sep 2011	Adviser, <i>Power and Performance in Compression Systems: A Control Theoretical Approach with Evaluation</i> , Zhichao Li, Computer Science Department, Stony Brook University.
Sep 2011	Committee chair, Isolated and Efficient Execution of Unmodified Network Device Drivers, Sun Yifeng, Computer Science Department, Stony Brook University.
Sep 2011	Defensive Techniques for Untrustworthy Operating Systems, Committee chair, Rui Qiao, Computer Science Department, Stony Brook University.
Aug 2011	Computational Modeling and Analysis of Cardiac Arrhythmia, Abhishek Murthy, Computer Science Department, Stony Brook University.
Feb 2010	Adviser, An End-to-End Performance Evaluation of NFSv4 Implementations, Vasily Tarasov, Computer Science Department, Stony Brook University.
Aug 2009	Attacks and Defenses: Unix File-System race conditions, Xiang Cai, Computer Science Department, Stony Brook University.
Mar 2008	Adviser, <i>Techniques for Visualizing Software Execution</i> , Justin Seyster, Computer Science Department, Stony Brook University.
May 2006	Committee chair, <i>Challenges of Long-Term Digital Archiving</i> , Maohua Lu, Computer Science Department, Stony Brook University.
Feb 2006	A Survey of Program Transformation Languages and Systems, Michael Gorbovitski, Computer Science Department, Stony Brook University.
Jun 2005	Peer to Peer File Download and Streaming, Gang Wu, Computer Science Department, Stony Brook University.
May 2005	Adviser, <i>Debugging and Optimizing Systems With Runtime Instrumentation</i> , Sean Callanan, Computer Science Department, Stony Brook University.
May 2005	Adviser, File System Benchmarking: Fallacies and Pitfalls, Avishay Traeger, Computer Science Department, Stony Brook University.
May 2005	Adviser, On the Role of Static Analysis in Operating System Checking and Runtime Verification, Abhishek Rai, Computer Science Department, Stony Brook University.
May 2005	Adviser, Ensuring Data Integrity in Storage: Techniques and Applications, Gopalan Sivathanu, Computer Science Department, Stony Brook University.

Feb 2005	A Survey on Virtualization Techniques, Susanta Nanda, Computer Science Department, Stony Brook University.
Sep 2004	Enterprise Digital Rights Management: Solutions against Information Theft by Insiders, Yang Yu, Computer Science Department, Stony Brook University.
May 2004	Adviser, Operating System Support for Extensible Secure File Systems, Charles P. Wright, Computer Science Department, Stony Brook University.
Feb 2004	Traffic Analysis: From Stateful Firewall to Network Intrusion Detection System, Fanglu Guo, Computer Science Department, Stony Brook University.
Feb 2004	Damage Recovery from Malicious Code and Operator Errors, Weiqing Sun, Computer Science Department, Stony Brook University.
Sep 2003	Adviser, <i>Internet Worms as Internet-Wide Threat</i> , Nikolai Joukov, Computer Science Department, Stony Brook University.
Mar 2003	Cache Oblivious Algorithms: Theory and Practice, Piyush Kumar, Computer Science Department, Stony Brook University.
Jan 2003	Committee chair, <i>CDN: Content Distribution Network</i> , Gang "Jason" Peng, Computer Science Department, Stony Brook University.
Aug 2001	Pattern Based Intrusion Detection Systems, Prem Uppuluri, Computer Science Department, Stony Brook University.

Other One-Time Committee Service

Aug 2012	Bi-annual Awards committee, Computer Science Department, Stony Brook University.
Nov 2011	Member, Steering Committee on High-Performance Computing, Stony Brook University and Brookhaven National Labs.
Oct 2010	Annual Merit Raise committee, Computer Science Department, Stony Brook University.
Aug 2010	Bi-annual Awards committee, Computer Science Department, Stony Brook University.
Oct 2009	Annual Merit Raise committee, Computer Science Department, Stony Brook University.
Sep 2008	Annual Merit Raise committee, Computer Science Department, Stony Brook University.
Sep 2007	Annual Merit Raise committee, Computer Science Department, Stony Brook University.
Jan 2007	Examiner for CS Ph.D. Qualifying Exams, Computer Science Department, Stony Brook University.
Jul 2006	Bi-annual Awards committee, Computer Science Department, Stony Brook University.
Apr 2006	Judge, <i>Compilers</i> session. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University.
Sep 2005	Annual Merit Raise committee, Computer Science Department, Stony Brook University.

Aug 2005	Ad-hoc Steering Committee on Strategic Planning, Computer Science Department, Stony Brook University.
May 2004	Judge, <i>Security</i> session. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University.
May 2004	Examiner for CS Ph.D. Qualifying Exams, Computer Science Department, Stony Brook University.
Jan 2004	Examiner for CS Ph.D. Qualifying Exams, Computer Science Department, Stony Brook University.
May 2003	Judge, <i>Security</i> session. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University.
Oct 2003	Ph.D. qualifying exam chair (Hardware exam), Computer Science Department, Stony Brook University.
Oct 2003	Examiner for CS Ph.D. Qualifying Exams, Computer Science Department, Stony Brook University.
May 2003	Examiner for CS Ph.D. Qualifying Exams, Computer Science Department, Stony Brook University.
May 2002	Examiner for CS Ph.D. Qualifying Exams, Computer Science Department, Stony Brook University.
May 2001	Examiner for CS Ph.D. Qualifying Exams, Computer Science Department, Stony Brook University.

Other Departmental Service

2008-present	Course Coordinator, Systems Administration, (ISE-311)
2003-present	Course Coordinator, Introduction to Programming in C (CSE-130)
2002-present	Course Coordinator, Advanced Systems Programming in Unix/C (CSE-376)
2001-present	Course Coordinator, Operating Systems (CSE-506)
2003–2005	Course Coordinator, Intermediate Programming in C and C++ (CSE-230)

Community Work

Community Work		
"How Computers Work," guest speaker at Mount Elementary 4th grade (teacher: Jo-Ann Hudecek), Stony Brook Three Village School District, Stony Brook, NY.		
Stony Brook Child Care Services Inc. (SBCCSI), fund-raising committee member		
Faculty sponsor of the Stony Brook Linux Users Group (SBLUG)		
Maintainer of FiST, a stackable file system template system		
Maintainer of Amd, the Berkeley Automounter (am-utils)		
The 15th USENIX Conference on File and Storage Technologies (FAST '17) (1 paper)		

2011 The 2011 Usenix Annual Technical Conference (Usenix ATC 2011) (1 paper)

2009 The 2009 ACM International Conference on Measurement and Modeling of Computer

Systems (SIGMETRICS 2009) (2 papers)

2009 Fifth USENIX Conference on File and Storage Technologies (FAST '09) (1 paper)

2007 USENIX FAST Annual Conference (2 papers)

2003 USENIX FreeNIX Annual Conference (2 papers)

2002 USENIX FreeNIX Annual Conference (4 papers)

2001 First USENIX Conference on File and Storage Technologies (FAST '02) (1 paper)

Software Released or Maintained

2010–present Wrapfs Stackable File System for Linux

2007–present GCC Plugin Infrastructure.

2005-present Auto-Pilot: A Suite of Tools for Conducting Benchmarks, www.filesystems.org/

project-autopilot.html

2004-present Unionfs: A Stackable Unification File System, http://unionfs.filesystems.

org. (As of January 2007, Unionfs has been a part of Andrew Morton's Linux Kernel source tree. Andrew is the person in charge of supplying new patches to Linus Torvalds for new kernel releases, therefore Unionfs is on its way to becoming a part of the Linux

kernel.)

1997-present FiST: Stackable File System Language and Templates, www.filesystems.org/

1992-present Am-Utils: The Berkeley Automounter Suite of Utilities, www.am-utils.org

2004–2005 I³FS: In-Kernel Integrity Checker and Intrusion Detection File System, www.fsl.cs.

sunysb.edu/project-i3fs.html

2003–2004 KBDB: In-Kernel Berkeley DB Databases NFScrack: NFS File Handle Security,

KBDBFS: File System Extensibility and Reliability Using an in-Kernel Database,

www.fsl.cs.sunysb.edu/project-kbdb.html

2002 ENF: Enhancing NFS Cross-Administrative Domain Access, ftp://ftp.fsl.cs.

sunysb.edu/pub/enf/

1999 PGmake: Parallel GNU Make, www.fsl.cs.sunysb.edu/project-pgmake.html

TALKS

Invited Talks

May 2017 Oh, what a tangled web we weave: practice and deception in system analysis, Perfor-

mance Evaluation and Analysis Meetup, IBM Research-Haifa, Haifa, Israel.

May 2017 vNFS: Maximizing NFS Performance with Compounds and Vectorized I/O, ACM SYS-

TOR 2017 (highlights paper track), Haifa, Israel.

Feb 2017 Oh, what a tangled web we weave: practice and deception in system analysis, Tintri,

Inc., Mountain View, CA.

Dec 2016 Oh, what a tangled web we weave: practice and deception in system analysis, Harvey

Mudd College, Claremont, CA.

Jun 2016	Oh, what a tangled web we weave: practice and deception in system analysis Keynote address at inaugural workshop: The 1st International Workshop on System Analytics and Characterization (SAC'16, co-located with ACM SIGMETRICS), Antibes Juan-Les-Pins, France.
Feb 2016	Parametric Optimization of Storage Systems, VMware Inc., Palo Alto, CA.
Feb 2006	File System and Storage Benchmarking: On Formalizing Filebench Workloads, a Birds-of-Feather (BoF) talk presented at the 2016 Usenix FAST conference, Santa Clara, CA.
Jun 2012	Storage Security Overview, CA/CEWIT center inauguration workshop, Tel Aviv University, Tel Aviv, Israel.
May 2012	Synthesizing Realistic Workload Models and Dedup Datasets, IBM Haifa Research Labs, Tel Aviv, Israel.
May 2012	Optimizing Performance and Energy Use of Large Data Systems, NSF Industry/University Center (I/UCRC) for Dynamic Data Analytics (CDDA) 2012 workshop, Stony Brook, NY.
Feb 2012	Scaling OS Storage Stack Performance Using NVRAM Technologies, Fusion-io, San Jose, CA
Nov 2011	Scaling and Understanding Large Data I/O Performance, NSF Industry/University Center (I/UCRC) for Dynamic Data Analytics (CDDA) 2011 workshop, Rutgers, NJ.
Nov 2011	Scaling I/O Performance for Large Data Sets, 2011 CEWIT Center Conference, Hauppauge, NY.
Nov 2011	Scaling OS Storage Stack Performance Using NVRAM Technologies, Operating System Support for Next Generation Large Scale NVRAM (NVRAMOS'11), Jeju Island, South Korea.
Aug 2011	Optimizing Server Performance and Energy, High-End Computing Filesystems and I/O Workshop (HEC FSIO 2011), Arlington, VA.
May 2011	On the Energy Consumption and Performance of Systems Software, The 4th Israeli Experimental Systems Conference (ACM SYSTOR '11), Haifa, Israel.
Feb 2011	FSL Storage Research Overview, Riverbed, Inc, Menlo Park, CA.
Nov 2010	Server-Class Energy and Performance Evaluations, or, Mommy, Daddy, where did my Joules go?, An SBCS Faculty Symposium series talk, sponsored by the Stony Brook Computer Society's ACM Chapter. Stony Brook University, Computer Science Department, Stony Brook, NY.
May 2010	Server-Class Energy and Performance Evaluations, The Third Israeli Experimental Systems Conference (ACM SYSTOR '10), Haifa, Israel.
Feb 2010	On the Science of Power Management: Encouraging Sustainability R&D, First USENIX Workshop on Sustainable Information Technology (SustainIT'10), San Jose, CA.
Feb 2010	FSL Research Overview, Data Domain, Inc, Santa Clara, CA.
Nov 2009	Priya Sehgal and Erez Zadok, <i>Improving Energy & Performance For Server Workloads</i> , The third Advanced Energy Research & Technology Center (AERTC) confer-

	ence, Hauppauge, NY.
July 2009	Energy and Performance Characterization of Storage Stacks, IBM Watson Research Labs, Hawthorne, NY.
May 2009	DHIS: Discriminating Hierarchical Storage, The Israeli Experimental Systems Conference (ACM SYSTOR '09), Haifa, Israel.
May 2009	Energy and Performance Evaluation of Lossless File Data Compression on Server Systems, The Israeli Experimental Systems Conference (ACM SYSTOR '09), Haifa, Israel.
February 2009	How to Cheat in Benchmarking, a Birds-of-Feather (BoF) talk presented at the 2009 Usenix FAST conference, San Francisco, CA.
Nov 2008	Mommy, Daddy, Why is My New Laptop So Dog Slow?!, Parents' Day lecture, Stony Brook University, Stony Brook, NY.
May 2007	Why is my new laptop so dog slow?!, An SBCS Faculty Symposium series talk, sponsored by the Stony Brook Computer Society's ACM Chapter. Stony Brook University, Computer Science Department, Stony Brook, NY.
July 2006	Securing Applications using Operating System Transactions, Center for Information Protection, NSF I/UCRC organizational workshop, Stony Brook, NY.
June 2006	Adding security to file systems, one layer at a time, IBM's Storage Systems Strategy meeting, Mountain View, CA.
June 2006	File System Benchmarking: Fallacies, Pitfalls, and Beyond, VMware, Inc., Palo Alto, CA.
December 2005	File System Benchmarking and Tools: Past, Present, and Future, a Birds-of-Feather (BoF) talk presented at the 2006 Usenix FAST conference, San Francisco, CA.
December 2005	File System Benchmarking: Fallacies, Pitfalls, and Beyond, Penn State University, Computer Science Department, State College, PA.
October 2005	File System Benchmarking: Fallacies, Pitfalls, and Beyond, IBM Watson Research Labs, Hawthorne, NY.
October 2005	File System Benchmarking: Fallacies, Pitfalls, and Beyond, CSE-600 talk, Stony Brook University, Computer Science Department, Stony Brook, NY.
September 2005	File System Benchmarking: Fallacies, Pitfalls, and Beyond, UC Santa Cruz, Computer Science Department, Santa Cruz, California.
June 2005	Adding security to file systems, one layer at a time, Second Security Summit, Storage Networking Industry Association (SNIA), Pittsburgh, Pennsylvania
May 2005	File System Security, 35th Anniversary Celebration, Stony Brook University, Computer Science Department (CS@35), Stony Brook, New York
April 2005	Efficient and Safe Execution of User-Level Code in the Kernel, the 2005 NSF Next Generation Software Workshop, in conjunction with the 2005 International Parallel and Distributed Processing Symposium (IPDPS), Denver, Colorado
October 2004	File System and OS Security, talk given to Korean delegation led by Dr. Ho, Stony Brook University, Stony Brook, New York

October 2004	File System and OS Security, Computer Associates, Islandia, New York		
June 2003	ASK: Active Spam Killer, Annual Usenix Conference, FREENIX Track, San Antonio, Texas		
February 2003	File System Security, New York State Cyber-Security Symposium, Utica, New York		
April 2000	FiST: A System for File System Code Generation, Computer Science Department, University of Chicago		
March 2000	FiST: A System for File System Code Generation, Computer Science Department, University of Rochester		
March 2000	FiST: A System for File System Code Generation, Computer Science Department, Stony Brook University		
March 2000	FiST: A System for File System Code Generation, Computer Science Department, University of California and Santa Barbara		
March 2000	FiST: A System for File System Code Generation, Computer Science Department, Penn State University		
February 2000	FiST: A System for File System Code Generation, Computer Science Department, Bell Labs, New Jersey		
Interviews			
November 4, 2005	LIA magazine, with Ellen Sterling; what small businesses can do to protect themselves.		
June 29, 2001	Dr. Dobb's Technetcast, with Phillippe Lourier; my NFS and Automounters book, status of Linux file system development.		
Other Presentation	Other Presentations		
Mar 2012			
Mar 2012	Erez Zadok, Steering Committee Town Hall meeting, presenting Google Apps for Education, Stony Brook University.		
Feb 2012			
	ucation, Stony Brook University. Daniel C. Rosenthal, University of California, Santa Cruz; David S. H. Rosenthal, Stanford University Libraries; Ethan L. Miller and Ian F. Adams, University of California, Santa Cruz; Mark W. Storer, NetApp; Erez Zadok, Stony Brook University. <i>Toward an Economic Model of Long-Term Storage</i> WIP presented at the <i>Tenth USENIX Confer-</i>		
Feb 2012	ucation, Stony Brook University. Daniel C. Rosenthal, University of California, Santa Cruz; David S. H. Rosenthal, Stanford University Libraries; Ethan L. Miller and Ian F. Adams, University of California, Santa Cruz; Mark W. Storer, NetApp; Erez Zadok, Stony Brook University. <i>Toward an Economic Model of Long-Term Storage</i> WIP presented at the <i>Tenth USENIX Conference on File and Storage Technologies (FAST '12)</i> , San Jose, CA. Zhichao Li, Stony Brook University; Kevin M. Greenan and Andrew W. Leung, EMC Corporation; Erez Zadok, Stony Brook University. <i>Power Consumption in Enterprise-Scale Backup Storage Systems</i> Poster presented at the <i>Tenth USENIX Conference on</i>		

proach with Evaluation Poster presented at the Eighth CEWIT conference (CEWIT '11), Hauppauge, NY.

Oct 2011 Zhichao Li, R. Grosu, S. A. Smolka, S. D. Stoller, and E. Zadok, Stony Brook University. *Power and Performance in Compression Systems: A Control Theoretical Approach with Evaluation* Poster presented at the *Fifth AERTC conference (AERTC '11)*, Buffalo, NY.

May 2011 Vasily Tarasov, Koundinya Santhosh Kumar, and Erez Zadok, Stony Brook University; Geoff Kuenning, Harvey Mudd College. T2M: Converting I/O Traces to Workload Models, Poster presented at the 13th USENIX Workshop on Hot Optics in Operating Systems (HotOS '11), Napa, CA.

Feb 2011 Vasily Tarasov, Koundinya Santhosh Kumar, and Erez Zadok, Stony Brook University; Geoff Kuenning, Harvey Mudd College. *T2M: Converting I/O Traces to Workload Models*, WIP and Poster presented at the *Ninth USENIX Conference on File and Storage Technologies (FAST '11)*, San Jose, CA.

Feb 2011 Erez Zadok, Stony Brook University and Geoff Kuenning, Harvey Mudd College. Benchmarking and Tracing: New Horizons, Birds-of-a-feather (BOF) presented at the Ninth USENIX Conference on File and Storage Technologies (FAST '11), San Jose, CA.

Oct 2011 Justin Seyster, Abhinav Duggal, Prabakar Radhakrishnan, Scott D. Stoller, and Erez Zadok, Stony Brook University. *Redflag: Detailed Runtime Analysis of Kernel-Level Concurrency*, Poster presented at the 9th USENIX Symposium on Operating Systems Design and Implementations (OSDI '10), Vancouver, BC, Canada.

Feb 2010 Vasily Tarasov, Sujay Godbole, and Erez Zadok. NSFv4 Implementations: Who Performs Better, When, and Why, poster presented at the Eighth USENIX Conference on File and Storage Technologies (FAST '10), San Jose, CA.

Feb 2010 Rick Spillane and Erez Zadok. *Down with the VFS and His Insidious Caches!*, WIP presented at the *Eighth USENIX Conference on File and Storage Technologies (FAST '10)*, San Jose, CA.

Jan 2010 Erez Zadok and Radu Sion. *Energy and Cost Analysis of Cloud Computing*, NSF Industry/University Center (I/UCRC) for Dynamic Data Analytics (CDDA) planning workshop, New York, NY.

Oct 2009 Priya Sehgal, Vasily Tarasov, and Erez Zadok. Server Energy and Performance Evaluations, poster presented at the 2009 CEWIT Center Conference, Islandia, NY.

Dec 2008 Rick Spillane, Chaitanya Yalamanchili, Sachin Gaikwad, Manjunath Chinni, and Erez Zadok. *Honor: A Serializing On-Disk Writeback Buffer*. WIP presented at the *Eighth Symposium on Operating Systems Design and Implementation (OSDI '08)*, San Diego, CA.

Mar 2007 D. Dean, S. Callanan, and E. Zadok. *Developing GCC Transformations Faster with Gimple Viz* Graduate Research Conference (GRC), Computer Science Department, Stony Brook University.

Mar 2007 J. Seyster, S. Callanan, R. Grosu, S. Smolka, and E. Zadok. *Memcov A High Performance Memory Profiling Tool*. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University.

Mar 2007 R. Spillane and E. Zadok. A Lot for a Little: Transactional File Systems. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University. Apr 2006 R. Spillane, C. P. Wright, and E. Zadok, Goanna (Best Paper Award), Graduate Research Conference (GRC), Computer Science Department, Stony Brook University. Apr 2006 N. Joukov, H. Papaxenopoulos, and E. Zadok, Secure Deletion Myths, Issues, and Solutions. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University. Sep 2005 E. Zadok, A Layered Approach to Securing File Systems, poster presented at the NSF CyberTrust PI meeting, Newport Beach, CA. Oct 2005 N Joukov, R. Iyer, A. Traeger, C. P. Wright, and E. Zadok. Versatile, Portable, and Efficient OS Profiling via Latency Analysis. Poster presented at the 20th ACM Symposium on Operating Systems Principles (SOSP'05), Brighton, UK. Jul 2005 D. Quigley, C. P. Wright, and E. Zadok. UnionFS: Namespace Management. Cyber Corps Summer Symposium 2005, Syracuse, New York. Apr 2005 D. Quigley, C. P. Wright, and E. Zadok. UnionFS. URECA (undergraduate research) presentation at Stony Brook. Aug 2004 Y. Miretskiy, A. Das, C. P. Wright, and E. Zadok. Avfs: An On-Access Anti-Virus File System. Poster presented at the Workshop on Information Assurance Education (WIAED 2004), Stony Brook University Aug 2004 C. P. Wright, M. C. Martino, and E. Zadok. NCryptfs: A Secure and Convenient Cryptographic File System. Poster presented at the Workshop on Information Assurance Education (WIAED 2004), Stony Brook University May 2004 P. Gupta, H. Krishnan, C. P. Wright, and E. Zadok. Versatility and Unix Semantics in a Fan-Out Unification File System. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University. May 2004 A. Kashyap, J. Dave, H. Krishnan, C. P. Wright, M. Nayyer Zubair, and E. Zadok. Using Berkeley DB in the Linux Kernel. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University. May 2004 Y. Miretskiy, A. Das, C. P. Wright, and E. Zadok. Avfs: An On-Access Anti-Virus File System (Best Paper Award). Graduate Research Conference (GRC), Computer Science Department, Stony Brook University. May 2004 A. Aranya, C. P. Wright, and E. Zadok Tracefs: A File System to Trace Them All. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University Apr 2004 C. P. Wright and E. Zadok. A Stackable Smorgasbord. Poster presented at the Third USENIX Conference on File and Storage Technologies (FAST '04), San Francisco, CA. Apr 2004 C. P. Wright and E. Zadok. Avfs: An On-Access Anti-Virus File System WIP presented at the Third USENIX Conference on File and Storage Technologies (FAST '04), San Francisco, CA. Apr 2004 K. Muniswamy-Reddy, and E. Zadok. Elastic Quotas. Poster presented at the 12th

NASA Goddard, 21st IEEE Conference on Mass Storage Systems and Technologies

(MSST 2004), College Park, MD. Nov 2003 C. P. Wright and E. Zadok. Secure and Mobile File Systems. Poster presented at the CEWIT 2003 conference, Woodbury, NY. June 2003 P. Gupta, H. Krishnan, K. Muniswamy-Reddy, C. P. Wright, and E. Zadok. Unionfs: A Flexible, and Portable Unioning File System. WIP presented at the Annual USENIX Technical Conference, San Antonio, TX. June 2003 A. Himmer, K. Muniswamy-Reddy, C. P. Wright, and E. Zadok. Versionfs: A Transparent and Portable Versioning File System. WIP presented at the Annual USENIX Technical Conference, San Antonio, TX. May 2003 A. Himmer and E. Zadok. Versionfs: A Transparent and Portable Versioning File System. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University. May 2003 E. Zadok, J. Osborn, A. Shater, C. P. Wright, K. Muniswamy-Reddy, and J. Nieh. Elastic Quotas: Stretch Your Disk Space. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University. May 2003 C. P. Wright, M. C. Martino, and E. Zadok. NCryptfs: A Secure and Convenient Cryptographic File System. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University. A. Purohit, C. P. Wright, J. Spadavecchia, and E. Zadok. Cosy: Develop in User-May 2003

Land, Run in Kernel-Mode. Graduate Research Conference (GRC), Computer Science Department, Stony Brook University. April 2003 M. Prasad and E. Zadok. Transparent Page Cache Coherence Support for Linux-based

Stackable File Systems. WIP presented at the Second USENIX Conference on File and Storage Technologies (FAST '03), San Francisco, CA.

Fall 2002 E. Zadok. Linux Kernel Internals. Guest lecture in CSE-306.

A. Purohit, J. Spadavecchia, C. Wright, and E. Zadok. Improving Application Perfor-December 2002 mance Through System Call Composition WIP presented at the Fifth Symposium on Operating Systems Design and Implementation (OSDI '02), Boston, MA.

December 2002 C. Wright, M. Martino, and E. Zadok. NCryptfs: A Secure and Convenient Cryptographic File System. WIP presented at the Fifth Symposium on Operating Systems Design and Implementation (OSDI '02), Boston, MA.

December 2002 E. Zadok, J. Osborn, C. P. Wright, K. Muniswamy-Reddy. Elastic Quotas. WIP presented at the Fifth Symposium on Operating Systems Design and Implementation (OSDI '02), Boston, MA.

June 2002 A. Purohit, J. Spadavecchia, C. Wright, and E. Zadok. Improving Application Performance Through System Call Composition. WIP presented at the Annual USENIX Technical Conference, Monterey, CA.

June 2002 O. C. Leonard, J. Nieh, E. Zadok, J. Osborn, A. Shater, and C. Wright. The Design and Implementation of Elastic Quotas: A System for Flexible File System Management. WIP presented at the Annual USENIX Technical Conference, Monterey, CA.

January 2002 J. Spadavecchia and E. Zadok. Enhancing NFS Cross-Administrative Domain Access. WIP presented at the *First USENIX Conference on File and Storage Technologies* (*FAST '02*), Monterey, CA.
 December 1999 E. Zadok and J. Nieh. FiST: A Language for Stackable File Systems. Poster presented at the *17th ACM Symposium on Operating Systems Principles (SOSP)*, Kiawah Island,

TEACHING

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Inc	tru	ıcta	'n

Instructor	
Spring 2019	Research in Computer Science (CSE-487), Computer Science Department, Stony Brook University
Spring 2019	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Spring 2019	Advanced Project in Computer Science I (CSE-523), Computer Science Department, Stony Brook University
Spring 2019	Advanced Project in Computer Science I (CSE-524), Computer Science Department, Stony Brook University
Spring 2019	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Spring 2019	Graduate Practicum in Teaching (CSE-698), Computer Science Department, Stony Brook University
Winter 2018	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2018	Research in Computer Science (CSE-487), Computer Science Department, Stony Brook University
Fall 2018	Advanced Project in Computer Science I (CSE-523), Computer Science Department, Stony Brook University
Fall 2018	Advanced Project in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Fall 2018	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Fall 2018	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Fall 2018	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Summer 2018	Advanced Project in Computer Science I (CSE-523), Computer Science Department, Stony Brook University
Summer 2018	M.S. Internship in Research (CSE-596), Computer Science Department, Stony Brook University
Summer 2018	Internship in Research (CSE-696), Computer Science Department, Stony Brook University

Spring 2018	Research in Computer Science (CSE-487), Computer Science Department, Stony Brook University
Spring 2018	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Spring 2018	Advanced Project in Computer Science I (CSE-523), Computer Science Department, Stony Brook University
Spring 2018	Advanced Project in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Spring 2018	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Spring 2018	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2017	Advanced Project in Computer Science I (CSE-523), Computer Science Department, Stony Brook University
Fall 2017	Advanced Project in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Fall 2017	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Summer 2017	Advanced Project in Computer Science I (CSE-523), Computer Science Department, Stony Brook University
Summer 2017	M.S. Internship in Research (CSE-596), Computer Science Department, Stony Brook University
Summer 2017	Internship in Research (CSE-696), Computer Science Department, Stony Brook University
Spring 2017	Advanced Systems Programming in Unix/C (CSE-376), Computer Science Department, Stony Brook University
Spring 2017	Advanced Project in Computer Science I (CSE-523), Computer Science Department, Stony Brook University
Spring 2017	Advanced Project in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Spring 2017	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2016	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Fall 2016	Advanced Project in Computer Science I (CSE-523), Computer Science Department, Stony Brook University
Fall 2016	Advanced Project in Computer Science II (CSE-524), Computer Science Department, Stony Brook University

Fall 2016	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Fall 2016	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Fall 2016	Graduate Practicum in Teaching (CSE-698), Computer Science Department, Stony Brook University
Fall 2016	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Summer 2016	M.S. Internship in Research (CSE-596), Computer Science Department, Stony Brook University
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Spring 2016	Advanced Systems Programming in Unix/C (CSE-376), Computer Science Department, Stony Brook University
Spring 2016	Research in Computer Science (CSE-487), Computer Science Department, Stony Brook University
Spring 2016	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Spring 2016	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Spring 2016	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Spring 2016	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2015	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Fall 2015	Senior Honors Research Project II (CSE-496), Computer Science Department, Stony Brook University
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Fall 2015	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Summer 2015	M.S. Internship in Research (CSE-596), Computer Science Department, Stony Brook University

Summer 2015	Internship in Research (CSE-696), Computer Science Department, Stony Brook University
Spring 2015	Topics in Computer Science: Storage Systems (CSE-593), Computer Science Department, Stony Brook University
Spring 2015	Senior Honors Research Project I (CSE-495), Computer Science Department, Stony Brook University
Spring 2015	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Spring 2015	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Spring 2015	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Spring 2015	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Spring 2015	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2014	Advanced Systems Programming in Unix/C (CSE-376), Computer Science Department, Stony Brook University
Fall 2014	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Fall 2014	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Fall 2014	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Fall 2014	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Fall 2014	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Summer 2014	M.S. Internship in Research (CSE-596), Computer Science Department, Stony Brook University
Summer 2014	Internship in Research (CSE-696), Computer Science Department, Stony Brook University
Spring 2014	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Spring 2014	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Spring 2014	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Spring 2014	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University

Spring 2014	Practicum in Teaching (CSE-698), Computer Science Department, Stony Brook University
Fall 2013	Advanced Systems Programming in Unix/C (CSE-376), Computer Science Department, Stony Brook University
Fall 2013	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Fall 2013	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Fall 2013	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Fall 2013	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Summer 2013	M.S. Internship in Research (CSE-596), Computer Science Department, Stony Brook University
Summer 2013	Internship in Research (CSE-696), Computer Science Department, Stony Brook University
Summer 2013	FT Summer Research (CSE-800), Computer Science Department, Stony Brook University
Spring 2013	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Spring 2013	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Spring 2013	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Spring 2013	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Spring 2013	Topics in Computer Science: Storage Systems (CSE-595), Computer Science Department, Stony Brook University
Spring 2013	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2012	Operating Systems (CSE-306), Computer Science Department, Stony Brook University
Fall 2012	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Fall 2012	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Fall 2012	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Fall 2012	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University

Summer 2012	M.S. Internship in Research (CSE-596), Computer Science Department, Stony Brook University
Summer 2012	Internship in Research (CSE-696), Computer Science Department, Stony Brook University
Summer 2012	FT Summer Research (CSE-800), Computer Science Department, Stony Brook University
Spring 2012	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Spring 2012	Special Project in Computer Science (CSE-522), Computer Science Department, Stony Brook University
Spring 2012	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Spring 2012	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Spring 2012	Topics in Computer Science: Storage Systems (CSE-595), Computer Science Department, Stony Brook University.
Spring 2012	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Spring 2012	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2011	Advanced Systems Programming in Unix/C (CSE-376), Computer Science Department, Stony Brook University
Fall 2011	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Fall 2011	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Fall 2011	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Fall 2011	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Summer 2011	Information Systems Internship (ISE-488), Computer Science Department, Stony Brook University
Summer 2011	M.S. Internship in Research (CSE-596), Computer Science Department, Stony Brook University
Summer 2011	Internship in Research (CSE-696), Computer Science Department, Stony Brook University
Spring 2011	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Spring 2011	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University

Spring 2011	M.S. Thesis Research (CSE-599), Computer Science Department, Stony Brook University
Spring 2011	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2010	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Fall 2010	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Fall 2010	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Fall 2010	Practicum in Teaching (CSE-698), Computer Science Department, Stony Brook University
Fall 2010	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Summer 2010	M.S. Internship in Research (CSE-596), Computer Science Department, Stony Brook University
Summer 2010	Internship in Research (CSE-696), Computer Science Department, Stony Brook University
Summer 2010	FT Summer Research (CSE-800), Computer Science Department, Stony Brook University
Spring 2010	Systems Administration (CSE-311), Computer Science Department, Stony Brook University
Spring 2010	Systems Administration (ISE-311), Computer Science Department, Stony Brook University
Spring 2010	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Spring 2010	M.S. Thesis Research (CSE-599), Computer Science Department, Stony Brook University
Spring 2010	Practicum in Teaching (CSE-698), Computer Science Department, Stony Brook University
Spring 2010	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2009	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Fall 2009	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Fall 2009	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University

Fall 2009	M.S. Thesis Research (CSE-599), Computer Science Department, Stony Brook University
Fall 2009	Practicum in Teaching (CSE-698), Computer Science Department, Stony Brook University
Fall 2009	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Spring 2009	Advanced Systems Programming in Unix/C (CSE-376), Computer Science Department, Stony Brook University
Spring 2009	Undergraduate Teaching Practicum (CSE-475), Computer Science Department, Stony Brook University
Spring 2009	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Spring 2009	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Spring 2009	Proficiency Requirement in Computer Science (CSE-587), Computer Science Department, Stony Brook University
Spring 2009	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Spring 2009	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Spring 2009	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2008	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Fall 2008	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Fall 2008	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Fall 2008	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Fall 2008	Practicum in Teaching (CSE-698), Computer Science Department, Stony Brook University
Fall 2008	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Summer 2008	FT Summer Research (CSE-800), Computer Science Department, Stony Brook University
Spring 2008	Advanced Systems Programming in Unix/C (CSE-376), Computer Science Department, Stony Brook University
Spring 2008	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University

Spring 2008	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Spring 2008	Proficiency Requirement in Computer Science (CSE-587), Computer Science Department, Stony Brook University
Spring 2008	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Spring 2008	Practicum in Teaching (CSE-698), Computer Science Department, Stony Brook University
Spring 2008	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2007	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Fall 2007	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Fall 2007	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Fall 2007	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Fall 2007	Practicum in Teaching (CSE-698), Computer Science Department, Stony Brook University
Fall 2007	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Summer 2007	FT Summer Research (CSE-800), Computer Science Department, Stony Brook University
Spring 2007	Advanced Systems Programming in Unix/C (CSE-376), Computer Science Department, Stony Brook University
Spring 2007	Undergraduate Teaching Practicum (CSE-475), Computer Science Department, Stony Brook University
Spring 2007	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Spring 2007	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Spring 2007	Topics in Computer Science: Secure Storage (CSE-590), Computer Science Department, Stony Brook University. Co-taught with Prof. Radu Sion.
Spring 2007	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Spring 2007	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Spring 2007	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University

Fall 2006	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Fall 2006	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Fall 2006	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Fall 2006	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Fall 2006	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Fall 2006	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Summer 2007	FT Summer Research (CSE-800), Computer Science Department, Stony Brook University
Spring 2006	Advanced Systems Programming in Unix/C (CSE-376), Computer Science Department, Stony Brook University
Spring 2006	Topics in Computer Science: File Systems (CSE-594), Computer Science Department, Stony Brook University
Spring 2006	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Spring 2006	Proficiency Requirement in Computer Science (CSE-587), Computer Science Department, Stony Brook University
Spring 2006	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Spring 2006	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2005	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Fall 2005	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Fall 2005	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Fall 2005	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Fall 2005	Practicum in Teaching (CSE-698), Computer Science Department, Stony Brook University
Fall 2005	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Spring 2005	Research in Computer Science (CSE-487), Computer Science Department, Stony Brook University
Summer 2005	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University

Summer 2005	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Summer 2005	FT Summer Research (CSE-800), Computer Science Department, Stony Brook University
Spring 2005	Advanced Systems Programming in Unix/C (CSE-376), Computer Science Department, Stony Brook University
Spring 2005	Advanced Operating Systems (CSE-624), Computer Science Department, Stony Brook University
Spring 2005	Research in Computer Science (CSE-487), Computer Science Department, Stony Brook University
Spring 2005	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
Spring 2005	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Spring 2005	Proficiency Requirement in Computer Science (CSE-587), Computer Science Department, Stony Brook University
Spring 2005	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
Spring 2005	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
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Fall 2004	Independent Study in Computer Science (CSE-593), Computer Science Department, Stony Brook University
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Spring 2004	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2003	Advanced Systems Programming in Unix/C (CSE-376), Computer Science Department, Stony Brook University
Fall 2003	Introduction to Software Engineering and Project Plan (CSE-523), Computer Science Department, Stony Brook University
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Fall 2003	M.S. Thesis Research (CSE-599), Computer Science Department, Stony Brook University
Summer 2003	Research in Computer Science (CSE-487), Computer Science Department, Stony Brook University
Summer 2003	Intro to Software Engineering (CSE-523), Computer Science Department, Stony Brook University
Spring 2003	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Spring 2003	Senior Honors Research Project II (CSE-496), Computer Science Department, Stony Brook University
Spring 2003	Intro to Software Engineering (CSE-523), Computer Science Department, Stony Brook University
Spring 2003	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
Spring 2003	Independent Study in Computer Science (CSE-587), Computer Science Department, Stony Brook University
Spring 2003	M.S. Thesis Research (CSE-599), Computer Science Department, Stony Brook University
Spring 2003	Graduate Teaching Practicum (CSE-698), Computer Science Department, Stony Brook University
Fall 2002	Advanced Systems Programming in Unix/C (CSE-376), new course developed, Computer Science Department, Stony Brook University
Fall 2002	Senior Honors Research Project I (CSE-495), Computer Science Department, Stony Brook University

Fall 2002	Intro to Software Engineering (CSE-523), Computer Science Department, Stony Brook University
Fall 2002	Lab in Computer Science II (CSE-524), Computer Science Department, Stony Brook University
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Spring 2002	Internship in Research (CSE-698), Computer Science Department, Stony Brook University
Spring 2002	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Fall 2001	Special Topics in Software Engineering: Systems Programming (CSE/ISE-391), Computer Science Department, Stony Brook University
Fall 2001	MS. Thesis (CSE-599), Computer Science Department, Stony Brook University
Fall 2001	Ph.D. Dissertation Research (CSE-699), Computer Science Department, Stony Brook University
Spring 2001	Graduate Level <i>Operating Systems</i> (CSE-506), Computer Science Department, Stony Brook University
Spring 2001	Advanced File Systems, seminar, Computer Science Department, Stony Brook University
November 1999	Tutorial, <i>Using Amd and the Automounter Utilities</i> , USENIX LISA 13, Seattle, Washington
October 1999	NFS: Protocols, Programming and Implementation (guest lecture in Internet Systems Programming), Computer Science Department, Columbia University
1997–1999	Operating System Vulnerabilities (guest lecture in Network Security), Computer Science Department, Columbia University

Fall 1995 Data Structures in C, Computer Science Department, Columbia University

1986 Programming in BASIC, A.A. Computers, Holon, Israel
Programming in Logo, A.A. Computers, Holon, Israel

Teaching Assistant

Spring 1995 *Computer Security*, Computer Science Department, Columbia University Fall 1994 *Operating Systems*, Computer Science Department, Columbia University

Spring 1992 Object-Oriented Programming and C++, Computer Science Department, Columbia

University

Spring 1989 Data Structures, Computer Science Department, Columbia University

Fall 1989 Software Design Lab, Computer Science Department, Columbia University

Fall 1988 Introduction to Programming in Pascal, Computer Science Department, Columbia

University

GRADUATE STUDENTS (PH.D.)

Ph.D. Students Graduated

May 2014–Jan 2019 Zhen Cao Dissertation title: A Practical Auto-Tuning Framework for Stor-

age Systems

Current Position: Google, Inc. (Mountain View, CA)

May 2012–Apr 2017 Ming Chen. Dissertation title: Kurma: Efficient and Secure Multi-Cloud

Storage Gateways for Network-Attached Storage Current Position: Google, Inc. (New York, NY)

Sep 2009–May 2014 Zhichao Li. Dissertation title: GreenDM: A Versatile Tiering Hybrid Drive

for the Trade-Off Evaluation of Performance, Energy, and Endurance

Current Position: VMware, Inc. (Palo Alto, CA)

Jan 2008–Nov 2013 Vasily Tarasov (IBM Ph.D. Fellow). Dissertation title: Multi-dimensional

Workload Analysis and Synthesis for Modern Storage Systems Current Position: IBM Research–Almaden, Inc. (San Jose, CA)

Jan 2006–Dec 2013 Justin Seyster (domestic) Dissertation title: Runtime Verification of Kernel-

Level Concurrency Using Compiler-Based Instrumentation Current Position: Apple Computer, Inc. (Cupertino, CA)

Jan 2008–Feb 2012 Richard Spillane (domestic).

Dissertation title: Efficient, Scalable, and Versatile Application and System

Transaction Management for Direct Storage Layers. Current Position: Apple Computer, Inc. (Cupertino, CA)

Sep 2007–May 2011 Vinay Pai (domestic).

Dissertation title: Incentive Mechanisms for Peer-to-Peer Streaming.

Current Position: MuCash (New York, NY)

Sep 2003–Aug 2009 Sean Callanan (domestic).

Dissertation title: Flexible Debugging with Controllable Overhead.

Current Position: Apple Computer, Inc. (Cupertino, CA)

Sep 2003–Aug 2008 Avishay Traeger (domestic) (IBM Ph.D. Fellow).

Dissertation title: Analyzing Root Causes of Latency Distributions.

Current Position: Research Staff Member, IBM Haifa Research Labs (Tel-

Aviv, Israel)

Sep 2003–Feb 2008 Gopalan Sivathanu.

Dissertation title: End-to-End Abstractions for Application-Aware Storage.

Current position: Google, Inc. (Mountain View, CA).

May 2003–Dec 2006 Nikolai Joukov.

Dissertation title: Versatile, Portable, and Efficient File System Profiling. Current position: Research Staff Member, IBM T. J. Watson Research Cen-

ter (Hawthorne, NY).

May 2003–May 2006 Charles P. Wright (domestic).

Dissertation title: Extending ACID Semantics to the File System via ptrace. Current position: Research Staff Member, IBM T. J. Watson Research Cen-

ter (Hawthorne, NY).

Current Ph.D. Students

May 2019–present Meyer "Alex" Merenstein

May 2019–present Wei Su

May 2018–present Tyler Estro

Sep 2017–present Umit Ibrahim Akgun

Past Ph.D. Students Advised

Nov 2014–Dec 2017 Sun (Jason) Zhen (visiting scholar from China)

Jun 2014–Dec 2016 Sonam Mandal

May 2004–Nov 2004 Anand Kashyap (He was Samir Das student. I advised him on one project

and paper that came out of a class project.)

Sep 2001–May 2002 Li Aili (Student came to program interested in systems work, but became

interested in graphics and switched areas altogether. Currently advised by

Klaus Mueller.)

May 2001–May 2002 Joseph Spadavecchia (domestic) (I advised and funded student for one year.

Student dropped out of program to go work and study in Scotland, for per-

sonal reasons. We co-authored one paper together.)

May 2002–Aug 2002 Zhenghong "Sam" Yang (Student already dropped from PhD to MS before

I funded him under SPIR. Student graduated and now works for IBM.)

Sep 2001–May 2002 Hui Zhang (Student came to program interested in systems work, but be-

came interested in hardware systems. Currently advised by Yuanyuan

Yang.)

GRADUATE STUDENTS (M.S.)

Current M.S. Students

Jun 2019–present Sagar Jeevan

Jan 2019–present Akshay Aurora

Jan 2019–present Pragesh Jagnani

Jan 2019–present Mehul Jain

Jan 2019–present Shobhit Khandelwal

Jan 2019–present Krapi Ravindra Shah

Jan 2019–present Jatin Sood

Sep 2018–present Ritika Nevatia

Sep 2018–present Dhivahar Perumal

Sep 2018–present Aayush Sureka

May 2018–present Nilesh Somani

Jan 2018–present Prafful Agarwal

Past M.S. Students

Jan 2018–Dec 2018 Ankit Aggarwal

Jan 2018–Dec 2018 Dhanashri Patil

Jan 2018–Dec 2018 Manu Mathew

Jan 2018–Dec 2018 Prateek Roy

Jan 2018–Dec 2018 Rahul Rane

Jan 2018–Dec 2018 Rohit Kumar

Jan 2018–Dec 2018 Saish Sali

Jan 2018–Dec 2018 Siddesh Shinde

Jan 2018–Dec 2018 Vineeth Ramesh

Aug 2017–Dec 2018 Noopur Anil Maheshwari

Sep 2017–Apr 2018 Tyler Estro

Jun 2017–May 2018 Mayur Jadhav

May 2017–May 2018 Maryia Maskaliova

Jan 2017–Dec 2017 Darshan Godhia

Jan 2017–Dec 2017 Farhaan Jalia

Jan 2017–Dec 2017 Geetika Babu Bangera

Jan 2017–Dec 2017 Kunal Shah

Jan 2017–Dec 2017 Nehil Shah

Jan 2017–Dec 2017 Nidhi Panpalia

Jan 2017–Dec 2017	Rushabh Shah
Jan 2017–Dec 2017	Sagar Shah
Jan 2017–Dec 2017	Swaminathan Sivaraman
Jan 2017–Dec 2017	Tushar Jain
Sep 2016–Dec 2017	Vinothkumar Raja
Aug 2016-Dec 2017	Arun Ramachandran
Aug 2016-Dec 2017	Mukul Sharma
Aug 2016-Dec 2017	Sachin Tiwari
Aug 2016-Dec 2017	Shivanshu Goswami
Aug 2016–Dec 2016	Vishal Sahu
Apr 2016–May 2017	Leixiang Wu
Jan 2016-Dec 2016	Praveen Kumar Morampudi
Jan 2016-Dec 2016	Vithiya Muthukumar
Jan 2016–Dec 2016	Harshkumar Patel
Jan 2016-Dec 2016	Deepika Peringanji
Jan 2016-Dec 2016	Venkatakrishnan Rajagopalan
Jan 2016-Dec 2016	Vishnu Vardhan Rajula
Jan 2016–Dec 2016	Hari Prasath Raman
Sep 2015–Dec 2016	Shubhi Rani
Jan 2016-Dec 2016	Jasmit Saluja
Sep 2015–Dec 2016	Ashok Sankar Harihara Subramony
Aug 2015-Dec 2016	Bharath Kumar Reddy Vangoor
Sep 2014–May 2016	Dongju Ok
Mar 2015–May 2016	Garima Gehlot
Sep 2015–Dec 2015	Vivek Tiwari
May 2014–Dec 2015	Kumar Sourav
Sep 2014–Dec 2015	Bharat Singh
Sep 2014–Dec 2015	Varun Shastry
May 2014–Dec 2015	Abhishek Gupta
Sep 2014–Dec 2015	Arvind Chaudhary
Sep 2014–Dec 2015	Aashray Arora
Sep 2013–May 2015	Arun Olappamanna Vasudevan

Jan 2014–May 2015	Akhilesh Chaganti
May 2014–May 2015	Udit Kaushik Chitalia
Apr 2014–May 2015	Kelong Wang
Sep 2013–Dec 2014	Soujanya Shankaranarayana
May 2014–Dec 2014	Li Mengyang
Sep 2013–May 2014	Amanpreet Mukker
Jun 2013–May 2014	Sonam Mandal
Sep 2012–Dec 2013	Deepak Jain
Sep 2012–Dec 2013	Sagar Trehan
Sep 2012–Dec 2013	Madhu Srikar Palmur
Sep 2012–May 2013	Benixon Arul Dhas
May 2012–Jun 2013	Karthikeyani Palanisami
Jan 2012-Dec 2012	Binesh Andrews
Jan 2012-Dec 2012	Atul Karmarkar
Sep 2011–Dec 2012	Mandar S. Joshi
Sep 2011–Dec 2012	Ravikant R. Malpani
Sep 2011–May 2012	Rajesh Aavuty
Jan 2011–May 2012	Amar Mudrankit
Jan 2011–Dec 2011	Siddhi Tadpatrikar
Sep 2010–Dec 2011	Samriti Katoch
Sep 2010–Dec 2011	Koundinya Santhosh Kumar
Aug 2010–May 2012	Pradeep Shetty
Jan 2011-May 2011	Koundinya Muppalla
Jan 2010-Dec 2010	Prabakar Radhakrishnan
Jan 2010-Dec 2010	Gyumin Sim
Sep 2009–Dec 2010	Shrikar Archak
Sep 2009–Dec 2010	Saumitra Bhanage
Sep 2009–Dec 2010	Sagar Dixit
Jan 2009–May 2010	Priya Sehgal
Jan 2009–Dec 2009	Karthikeyan Srinaivasan
Sep 2008–May 2010	Abhinav Duggal

Sep 2008–Dec 2009

Sujay Godbole

Jan 2008–Dec 2008 Yamini Allu

Jan 2008–Dec 2008 Manjunath Chinni

Jan 2008–Dec 2008 Sachin Gaikwad

Sep 2007–Jun 2009 Daniel J. Dean (domestic)

Sep 2007–Dec 2008 Himanshu Kanda

Sep 2007–May 2009 Rachita Kothiyal

Sep 2007–Dec 2008 Chaitanya Yalamanchili

Jan 2007–Dec 2007 Kimberly Albrecht (domestic, SFS scholar)

Jan 2007–Dec 2007 Ramya Edara

Jan 2007–Dec 2007 Ivan Deras Tabora

Jan 2007–Dec 2007 Kumar Thangavelu

Sep 2006–Dec 2007 Gopala Suryanarayana

Sep 2006–Dec 2007 Kiron Vijayasankar

Jun 2006–Dec 2007 Richard Spillane (domestic)

Jan 2006–August 2007 Swaminathan Sundararaman

Sep 2006–June 2007 Yiannis Pericleous

Sep 2005–May 2007 David Quigley (domestic, SFS scholar)

Jan 2006–March 2007 Harry Papaxenopoulos (domestic, SFS scholar)

Jan 2006–Dec 2006 Chaitanya Patti

Jan 2005–Dec 2005 Dan Ottavio (domestic)

Jan 2005–Dec 2005 Arun Kumar

Sep 2004–Dec 2005 Naveen Gupta

Sep 2004–Dec 2005 Rakesh Narayan Iyer

Sep 2004–Dec 2005 Sunil Satnur

May 2004–Nov 2004 Swapnil V. Patil

Jan 2004–Dec 2004 Mohammad Nayyer Zubair

Sep 2003–Aug 2005 Abhishek Rai

Sep 2003–Dec 2004 Aditya Kashyap

Sep 2003–Dec 2004 Devaki Pandurang Kulkarni

May 2003–Aug 2002 Akshat Khandelwal

May 2003–Aug 2002 Deepak Rao

May 2003–Aug 2004 Akshat Aranya

May 2003–Dec 2003	Alexander Butler (domestic)
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May 2003–Dec 2003 Jay Pradip Dave

May 2003–Dec 2003 Mohan-Krishna Channa-Reddy

May 2003–Dec 2003 Salil Gokhale

May 2003–Jan 2004 Abhijith Das

May 2003–Dec 2004 Miretskiy "Eugene" Yevgeniy (domestic)

Jan 2003–Dec 2003 Harikesavan Pathangi Krishnan

Jan 2003–Dec 2003 Puja Gupta

May 2002–Dec 2002 Delia Paval

May 2002–Dec 2002 Nitin Khosla

May 2002–Dec 2002 Rongqing "Frank" Tu

May 2002–May 2003 Jeffrey R. Osborn (domestic)

May 2002–May 2003 Michael Martino (domestic)

May 2002–May 2003 Zhenghong "Sam" Yang

Sep 2002–Dec 2002 Nishant Nagalia

Sep 2002–Dec 2002 Zhou Zhang

Sep 2002–Dec 2003 Swaroop Karunakara

Sep 2002–May 2003 Ana Centeno

Sep 2002–May 2003 Andrew Himmer (domestic)

Sep 2002–May 2003 Sheshadri Sreenath

Mar 2002–Apr 2003 Manish Prasad

Jan 2002–May 2004 Kiran-Kumar Muniswamy-Reddy

Sep 2001–May 2003 Amit Purohit

UNDERGRADUATE STUDENTS

Past Undergraduate Students

May 2018–Dec 2018	Amrith Arunachalam (domestic, BS program, CSE program)
May 2017–May 2018	Kevin Sun (domestic, BS program, CSE program)
Feb 2015–Mar 2016	Leixiang Wu (domestic, BS program, CSE program)
July 2012-Dec 2012	Edgardo Linero, (domestic, BS program, CSE program)
May 2011–May 2012	Ryan Matthew Walsh, (domestic, BS program, ISE program)
May 2010–Aug 2011	Christopher Jutting, (domestic, BS program, ISE program)
Jan 2009-July 2009	Ryan Leif Walsh, (domestic, BS/MS program, Honors program)

Jan 2004–2009	Adam David Alan Martin (domestic)
Sep 2005–May 2008	Josef "Jeff" Sipek (domestic)
Jun 2006-August 2007	Daniel J. Dean (domestic)
Jan 2005–May 2006	Richard Spillane (domestic, BS/MS program, Honors program, Stony Brook URECA summer internship)
Jan 2005-Jul 2005	Tim Wong (domestic)
Jan 2005-Aug 2005	David Quigley (domestic)
May 2003–Dec 2003	Mohammad Nayyer Zubair (Honors program, Stony Brook URECA summer internship)
Jan 2002-May 2002	Evan Chan (domestic)
Jan 2002-May 2002	Reynold Mercado (domestic)
Jan 2002-May 2002	Jeffrey Osborn (domestic)
Jan 2002-May 2002	Julio Salazar (domestic)
Jan 2002-May 2002	Ariye Shater (domestic)
Jan 2002-May 2003	Charles P. Wright (Honors program advisor, domestic)
Jan 2002–May 2002	Yuri Yanpolski (domestic)

HIGH-SCHOOL STUDENTS

Past High-School Students

Sep 2015–Aug 2017	Henry Nelson (domestic), "NFSv4 Compounds (vNFS)" project
June 2005-August 2005	Jordan Hoch (domestic), Simons summer internship, project title "Visual Debugging of Operating Systems State.")