

Suresh Venkatasubramanian

Education

1994-1999 **Ph.D.**, *Stanford University*
Computer Science

Employment

2022-present **Director**, *Center for Tech Responsibility*, Brown University
2021-present **Dean's Professor**, *Computer Science and Data Science*, Brown University
2024-2025 **Interim Director**, *Data Science Institute*, Brown University
2022-present **Deputy Director**, *Data Science Institute*, Brown University
2021-2022 **Assistant Director, Science and Justice**, *Office of Science and Technology Policy*, The White House
2017-2021 **Professor**, *School of Computing*, University of Utah
2013-2017 **Associate Professor**, *School of Computing*, University of Utah
Summer 2014 **Visiting Faculty**, *MADALGO*, Aarhus University
2013-2014 **Visiting Scientist**, *Google, Inc.*
Fall 2013 **Visiting Scientist**, *Simons Institute for Theoretical Computer Science*
Theory of Big Data
2007-2013 **Assistant Professor**, *School of Computing*, University of Utah
1999-2007 **Member, Technical Staff**, *AT&T Labs-Research*
2002-2008 **Adjunct Assistant Professor**, *Computer and Information Sciences*, University of Pennsylvania
Jun-Sep 1998 **Summer intern**, *AT&T Labs*, Florham Park, New Jersey
February 1998 **Visitor**, *DIMACS*, Rutgers University, New Jersey
Visited DIMACS as part of the Special Year on Massive Data Sets
Jun-Sep 1997 **Summer intern**, *DEC SRC*, Palo Alto, California
1994-1999 **Research Assistant**, *Stanford University*, Stanford, California

Awards

- Best Paper Award for “Copyrighting Generative AI Co-Creations”, 2025.
- KAIS Best Paper Award for “Auditing Black Box Models for Indirect Influence”, 2021.
- Daniels Fund Ethics Initiative Leadership in Ethics Education Awards, 2021.
- Dean’s commendation letter for teaching excellence, 2016-2017.
- ICDE 2017 Influential Paper (10-year test-of-time) Award for “ t -closeness: A new privacy measure for data publishing”.
- 2nd MultiClust Workshop (ECML-PKDD 2011) Best Paper Award for “Generating a diverse set

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- of high-quality clusterings”.
- NSF CAREER award (2010-2015)
 - John E. and Marva M. Warnock Presidential Endowed Chair for Faculty Innovation in Computer Science (2007-2013)
 - Dean’s Commendation letter for teaching excellence, Spring 2008, Fall 2008, Spring 2009, Fall 2009, Spring 2010.
 - School of Engineering Fellowship, Stanford University, 1994-1995.
 - Senate Award for Academic Excellence, I.I.T Kanpur.
 - Academic Proficiency Award, I.I.T. Kanpur, all years. [1990-94].

Articles

- [A1] S. Venkatasubramanian. How AI and surveillance capitalism are undermining democracy. *Bulletin of the Atomic Scientists*, August 2025. <https://thebulletin.org/2025/08/how-ai-and-surveillance-capitalism-are-undermining-democracy/>.
- [A2] National Academies of Sciences, Engineering, and Medicine. *Strategies for Integrating AI into State and Local Government Decision Making: Rapid Expert Consultation*. The National Academies Press, Washington, DC, 2025.
- [A3] R. Bommasani, S. Arora, J. Chayes, Y. Choi, M.-F. Cuéllar, L. Fei-Fei, D. E. Ho, D. Jurafsky, S. Koyejo, H. Lakkaraju, et al. Advancing science-and evidence-based ai policy. *Science*, 389(6759):459–461, 2025.
- [A4] R.-J. Yew, K. Creasey, and S. Venkatasubramanian. ‘Sovereignty’ Myth-Making in the AI Race. *Tech Policy Press*, July 2025. <https://www.techpolicy.press/sovereignty-myth-making-in-the-ai-race/>.
- [A5] S. Venkatasubramanian, C. Samaras, and C. Donovan. Trump’s AI Strategy Is At War With Itself. *Tech Policy Press*, August 2025. <https://www.techpolicy.press/trumps-ai-strategy-is-at-war-with-itself/>.
- [A6] S. Venkatasubramanian. More investment, more competition, less panic. *National Interest*, February 2025. <https://nationalinterest.org/blog/techland/more-investment-more-competition-less-panic>.
- [A7] S. Venkatasubramanian. The AI House of Mirrors. *Future Tense Fiction. Issues in Science and Technology*, January 2025. <https://issues.org/futuretensefiction/ai-authenticity-suresh-venkatasubramanian/>.
- [A8] S. Venkatasubramanian. Repairing the algorithmic lens. *Democracy*, 68, Spring 2023. <https://democracyjournal.org/magazine/68/repairing-the-algorithmic-lens/>.
- [A9] S. Venkatasubramanian, N. Bliss, H. Nissenbaum, and M. Moses. Interdisciplinary approaches to understanding artificial intelligence’s impact on society. *arXiv preprint arXiv:2012.06057*, 2020.
- [A10] S. Venkatasubramanian. Moving heaven and earth: Distances between distributions. *SIGACT News*, 44(3):56–68, 2013.
- [A11] S. Venkatasubramanian. New developments in matrix factorization. *SIGACT News*, 44(1):70–78, 2013.
- [A12] S. Venkatasubramanian. Discrete mathematical problems with medical applications dimacs volume 55. *SIGACT News*, 33(4):9–11, 2002.
- [A13] S. Venkatasubramanian. A theory repository on the web: a proposal. *SIGACT News*, 30(4):91–95, 1999.

Conferences

- [C1] V. Ojewale and S. Venkatasubramanian. Designing for doubt: The case for informed abstention in autonomous agents. In *Proc. AAAI/ACM Conference on AI, Ethics, and Society*, Oct 2026.
- [C2] V. Ojewale, R. Encarnación, S. Venkatasubramanian, and D. Metaxa. Monitrllm: A community-centered evaluation infrastructure for large language models. In *Proc. AAAI/ACM Conference on AI, Ethics, and Society*, Oct 2026.
- [C3] M. Ding, H. Suresh, and S. Venkatasubramanian. How to stop playing whack-a-mole: Mapping the ecosystem of technologies facilitating ai-generated non-consensual intimate images. In *Proc. Sixth ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization*, November 2026.
- [C4] V. Ramanan, R. Vinod, C. Williams, S. Ramachandran, and S. Venkatasubramanian. Principles and policy recommendations for comprehensive genetic data governance. In *Proc. AI, Ethics, and Society (AIES)*, 2025.
- [C5] J. Huang, R.-J. Yew, and S. Venkatasubramanian. Copyrighting generative ai co-creations. In *Proceedings of the 2025 ACM Designing Interactive Systems Conference*, DIS '25, page 1156–1164, New York, NY, USA, 2025. Association for Computing Machinery.
- [C6] K. Kwegyir-Aggrey, N. Durvasula, J. Wang, and S. Venkatasubramanian. Observing context improves disparity estimation when race is unobserved. In *Proceedings of the AAAI/ACM Conference on AI, Ethics, and Society*, volume 7, pages 796–806, 2024.
- [C7] R.-J. Yew, L. Qin, and S. Venkatasubramanian. You still see me: How data protection supports the architecture of ai surveillance. *Proceedings of the AAAI/ACM Conference on AI, Ethics, and Society*, 7(1):1709–1722, Oct. 2024.
- [C8] C. Cousins, I. E. Kumar, and S. Venkatasubramanian. To Pool or Not To Pool: Analyzing the Regularizing Effects of Group-Fair Training on Shared Models. In *Proc. AI and Statistics*, 2024.
- [C9] K. Kwegyir-Aggrey, M. Gerchick, M. Mohan, A. Horowitz, and S. Venkatasubramanian. The misuse of auc: What high impact risk assessment gets wrong. In *Proceedings of the 2023 ACM Conference on Fairness, Accountability, and Transparency*, FAccT '23, page 1570–1583, New York, NY, USA, 2023. Association for Computing Machinery.
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- [C13] P. Nokhiz, A. K. Ruwanpathirana, N. Patwari, and S. Venkatasubramanian. Precarity: Modeling the long term effects of compounded decisions on individual instability. In *Proc. AAAI Conference on AI, ethics and society*, 2021.
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- [C16] S. Venkatasubramanian and M. Alfano. The philosophical basis of algorithmic recourse. In *Proceedings of the 2020 Conference on Fairness, Accountability, and Transparency, FAT* '20*, page 284–293, New York, NY, USA, 2020. Association for Computing Machinery.
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- [C26] P. Adler, C. Falk, S. A. Friedler, G. Rybeck, C. Scheidegger, B. Smith, and S. Venkatasubramanian. Auditing black-box models for indirect influence. In *Proc. IEEE International Conference on Data Mining*, 2016.
- [C27] A. Abdullah, S. Daruki, C. D. Roy, and S. Venkatasubramanian. Streaming verification of graph properties. In *Algorithms and Computation: 27th International Symposium, ISAAC 2016*, 2016.
- [C28] J. Moeller, V. Srikumar, S. Swaminathan, S. Venkatasubramanian, and D. Webb. Continuous kernel learning. In *Proceedings of the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery*, 2016.
- [C29] J. Moeller, S. Swaminathan, and S. Venkatasubramanian. A unified view of localized kernel learning. In *Proceedings of the SIAM conference on Data Mining*, 2016.
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- [C31] A. Abdullah, R. Kumar, A. McGregor, S. Vassilvitskii, and S. Venkatasubramanian. Sketching, embedding, and dimensionality reduction for information spaces. In *19th International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2016.
- [C32] S. Daruki, J. Thaler, and S. Venkatasubramanian. Streaming verification in data analysis. In *Algorithms and Computation: 26th International Symposium, ISAAC 2015, Nagoya, Japan, December 9-11, 2015, Proceedings*, pages 715–726, Berlin, Heidelberg, 2015. Springer Berlin Heidelberg.
- [C33] A. Abdullah and S. Venkatasubramanian. A directed isoperimetric inequality with application to bregman near neighbor lower bounds. In *Proceedings of the Forty-Seventh Annual ACM on Symposium on Theory of Computing, STOC '15*, pages 509–518, New York, NY, USA, 2015. ACM.
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- [C36] P. Chalermsook and S. Venkatasubramanian. Clustering With Center Constraints. In A. Seth and N. K. Vishnoi, editors, *IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS 2013)*, volume 24 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 401–412, Dagstuhl, Germany, 2013. Schloss Dagstuhl–Leibniz-Zentrum fuer Informatik.

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- [C38] P. Raman and S. Venkatasubramanian. Power to the points: Validating data memberships in clusterings. In *Proc. IEEE International Conference on Data Mining (ICDM)*, 2013.
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- [C41] A. Abdullah, J. Moeller, and S. Venkatasubramanian. Approximate bregman near neighbors in sublinear time: Beyond the triangle inequality. In *Proc. 28th ACM Symposium on Computational Geometry*, June 2012.
- [C42] H. Daumé, J. Phillips, A. Saha, and S. Venkatasubramanian. Protocols for learning on massive distributed data. In *Proc. 15th International Conference on Artificial Intelligence and Statistics*, 2012.
- [C43] A. Saha, P. Rai, H. Daumé III, S. Venkatasubramanian, and S. L. DuVall. Active supervised domain adaptation. In *Proc. European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD)*, 2011.
- [C44] P. T. Fletcher, J. Moeller, J. M. Phillips, and S. Venkatasubramanian. Computing hulls and centerpoints in positive definite space. In *Algorithms and Data Structures Symposium (WADS)*, 2011.
- [C45] J. Phillips, P. Raman, and S. Venkatasubramanian. Spatially-aware comparison and consensus for clusterings. In *2011 SIAM International Conference on Data Mining*, April 2011.
- [C46] H. Daumé, P. Rai, A. Saha, and S. Venkatasubramanian. Online learning of tasks and their relationships. In *14th International Conference on Artificial Intelligence and Statistics (AISTATS)*, April 2011.
- [C47] S. Joshi, R. V. Kommaraju, J. Phillips, and S. Venkatasubramanian. Comparing shapes and distributions using the kernel distance. In *27th ACM Symposium on Computational Geometry*, June 2011.
- [C48] A. Agarwal, J. Phillips, and S. Venkatasubramanian. Universal multidimensional scaling. In *Proc. ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)*, 2010.
- [C49] T. Dasu, S. Krishnan, D. Lin, S. Venkatasubramanian, and K. Yi. Change (detection) you can believe in: Finding distributional shifts in data. In *Proc. Intelligent Data Analysis Symposium*, Aug 2009.
- [C50] P. Rai, H. Daumé, and S. Venkatasubramanian. Streamed Learning: One-Pass SVMs. In *Proc. 21st International Joint Conference on Artificial Intelligence (IJCAI)*, 2009.

- [C51] A. Goyal, S. Venkatasubramanian, and H. Daumé. Streaming for large scale NLP: Language Modelling. In *Proc. NAACL-HLT*, 2009.
- [C52] B. Amadi, M. Hadjieleftheriou, T. Seidl, D. Srivastava, and S. Venkatasubramanian. Type-based categorization of relational attributes. In *Proc. 12th International Conference on Extending Database Technology (EDBT)*, pages 84–95, 2009.
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- [C54] N. Koudas, A. Saha, D. Srivastava, and S. Venkatasubramanian. Metric functional dependencies. In *25th International Conference on Data Engineering (ICDE)*, 2009.
- [C55] P. T. Fletcher, S. Venkatasubramanian, and S. Joshi. Robust statistics on riemannian manifolds via the geometric median. In *Proc. Conference on Vision and Pattern Recognition (CVPR)*, 2008.
- [C56] B. T. Dai, N. Koudas, D. Srivastava, A. K. H. Tung, and S. Venkatasubramanian. Validating multi-column schema matchings by type. In *24th International Conference on Data Engineering (ICDE)*, pages 120–129, 2008.
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- [C65] S. Krishnan, P. Y. Lee, J. B. Moore, and S. Venkatasubramanian. Global registration of multiple 3d point sets via optimization-on-a-manifold. In *SGP '05: Proceedings of the third Eurographics symposium on Geometry processing*, pages 187–197, Aire-la-Ville, Switzerland, Switzerland, 2005. Eurographics Association.
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- [C72] S. Krishnan, N. H. Mustafa, and S. Venkatasubramanian. Hardware-assisted computation of depth contours. In *SODA '02: Proceedings of the thirteenth annual ACM-SIAM symposium on Discrete algorithms*, pages 558–567, Philadelphia, PA, USA, 2002. Society for Industrial and Applied Mathematics.
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Journals

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- [J2] S. A. Friedler, C. Scheidegger, and S. Venkatasubramanian. On the (im)possibility of fairness: different value systems require different mechanisms for fair decision making. *Communications of the ACM*, 64(4), 2021.
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- [J8] T. Li, N. Li, and S. Venkatasubramanian. t -closeness: A new privacy measure for data publishing. *IEEE Transactions on Data Knowledge and Engineering*, 22(7):943–956, 2010.
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- [J12] N. Mustafa, S. Krishnan, and S. Venkatasubramanian. Statistical data depth and the graphics hardware. In R. Liu, R. Serfling, and D. Souvaine, editors, *Data Depth: Robust Multivariate Analysis, Computational Geometry and Applications*, volume 72, pages 223–246. AMS, 2006.
- [J13] J. Chhugani, B. Purnomo, S. Krishnan, J. Cohen, S. Venkatasubramanian, D. S. Johnson, and S. Kumar. vLOD: High-Fidelity Walkthrough of Large Virtual Environments. *IEEE Transactions on Visualization and Computer Graphics*, 11(1):35–47, 2005.
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- [J15] M. Gavrilov, P. Indyk, R. Motwani, and S. Venkatasubramanian. Combinatorial and experimental methods for approximate point pattern matching. *Algorithmica*, 38:59–90, 2004.
- [J16] A. Efrat, P. Indyk, and S. Venkatasubramanian. Pattern matching for sets of segments. *Algorithmica*, 40:147–160(14), August 2004.
- [J17] P. Indyk and S. Venkatasubramanian. Approximate congruence in nearly linear time. *Computational Geometry: Theory and Applications*, 24(2):115–128, 2003.
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- [J21] N. Shivakumar and S. Venkatasubramanian. Energy efficient indexing for information dissemination in wireless systems. *ACM-Baltzer Journal of Mobile Networks and Nomadic Applications (NOMAD)*, 1995.

Peer-Reviewed Workshops

- [W1] P. Hillyard, N. Patwari, S. Daruki, and S. Venkatasubramanian. You're crossing the line: localizing border crossings using wireless rf links. In *Signal Processing and Signal Processing Education Workshop (SP/SPE), 2015 IEEE*, pages 249–254. IEEE, 2015.
- [W2] J. Moeller, P. Raman, A. Saha, and S. Venkatasubramanian. Fast multiple kernel learning with multiplicative weight updates. In *NIPS Workshop on Optimization (OPT)*, 2012.
- [W3] A. Agarwal, H. D. III, J. Phillips, and S. Venkatasubramanian. Sensor network localization for moving sensors. In *IEEE ICDM Workshop on Data Mining in Networks*, 2012.
- [W4] J. Phillips, P. Raman, and S. Venkatasubramanian. Generating a diverse set of high-quality clusterings. In *Proc. 2nd MultiClust Workshop: Discovering, Summarizing and Using Multiple Clusterings (held in conjunction with ECML-PKDD 2011)*, 2011.
- [W5] S. Venkatasubramanian and Q. Wang. The johnson-lindenstrauss transform: An empirical study. In *Proc. 13th Workshop on Algorithm Engineering and Experiments (ALENEX)*, pages 164–173, 2011.
- [W6] A. V. P. Grosset, P. Zhu, S. Liu, S. Venkatasubramanian, and M. Hall. Evaluating graph colorings on the gpu (poster). In *16th ACM SIGPLAN Annual Symposium on Principles and Practice of Parallel Programming*, February 2011.
- [W7] R. J. Kyng, J. M. Phillips, and S. Venkatasubramanian. Johnson-Lindenstrauss dimensionality reduction on the simplex. In *20th Fall Workshop on Computational Geometry*, October 2010.
- [W8] A. Goyal, J. Jagarlamudi, H. Daumé, and S. Venkatasubramanian. Sketch techniques for scaling distributional similarity to the web. In *GEMS: Workshop on GEometrical Models of natural language Semantics (in conjunction with ACL 2010)*, 2010.
- [W9] M. Bocca, S. Gupta, O. Kaltiokallio, B. Mager, Q. Tate, S. Kasera, N. Patwari, and S. Venkatasubramanian. Rf-based device-free localization and tracking for ambient assisted living. In *Evaluating AAL Systems through Competitive Benchmarking (EvAAL) Workshop*, 2012.
- [W10] A. Saha, P. Rai, S. Venkatasubramanian, and H. Daumé. Domain adaptation meets active learning. In *Workshop on Active Learning For NLP (in conjunction with NAACL-HLT)*, 2010.
- [W11] A. Goyal, J. Jagarlamudi, H. Daumé, and S. Venkatasubramanian. Sketching techniques for large-scale nlp. In *6th Web as Corpus Workshop (in conjunction with NAACL-HLT)*, 2010.

Book Chapters

- [BC1] S. Venkatasubramanian. On measures of privacy. In C. Aggarwal and P. S. Yu, editors, *Privacy-Preserving Data Mining: Models and Algorithms*, pages 81–103. Springer, 2008.

- [BC2] S. Venkatasubramanian. Clustering on streams. In *Encyclopedia of Database Systems*, pages 378–383. Springer US, 2009.

———— Books

- [B1] S. Vassilvitskii and S. Venkatasubramanian. *Clustering: A conceptual approach*. Cambridge University Press, 2017. In preparation.

———— Manuscripts

- [M1] H. C. Beilinson, N. Ulzii-Orshikh, A. Bashardoust, S. A. Friedler, C. E. Scheidegger, and S. Venkatasubramanian. Clustering via information access in a network. *arXiv preprint arXiv:2010.12611*, 2020.

———— Patents

- [P1] N. Mustafa, S. Krishnan, and S. Venkatasubramanian. Hardware-assisted View Dependent Map Simplification, 2004. U.S. Patent 6,812,925.
- [P2] A. Broder, M. Burrows, M. Henzinger, S. Ghemawat, P. Kumar, and S. Venkatasubramanian. The Connectivity Server, 1998. U.S. Patent 6,073,135.
- [P3] S. Krishnan, P. Y. Lee, J. B. Moore, and S. Venkatasubramanian. Global registration of multiple 3d point sets via optimization on a manifold, 2013. U.S. Patent 8,538,138.
- [P4] D. Srivastava and S. Venkatasubramanian. Method and apparatus for tag topology, 2014. U.S. Patent 8,818,984.

Teaching

- **Spring 2025:** Fairness in Automated Decision Systems.
- **Spring 2025:** History of AI (with Holly Case)
- **Spring 2024:** Fairness in Automated Decision Systems.
- **Spring 2023:** Fairness in Automated Decision Systems.
- **Spring 2020:** Clustering
- **Fall 2019:** Ethics of Data Science
- **Spring 2019:** Advanced Algorithms
- **Spring 2018:** Computational Geometry
- **Fall 2017:** Ethics of Data Science
- **Fall 2017:** *Seminar:* Reading Classic Theory Papers
- **Spring 2017:** Advanced Algorithms
- **Spring 2017:** When Machines Decide
- **Fall 2016:** Clustering
- **Fall 2016:** When Machines Decide
- **Spring 2016:** Computational Geometry
- **Spring 2016:** *Seminar:* Reading with Purpose
- **Fall 2015:** Advanced Algorithms
- **Spring 2015:** Clustering
- **Fall 2014:** Advanced Algorithms
- **Fall 2014:** *Seminar:* Communication Complexity
- **Spring 2013:** Computational Geometry
- **Spring 2013:** *Seminar:* Accountability in Data Mining
- **Fall 2012:** Advanced Algorithms
- **Spring 2012:** Discrete Structures
- **Fall 2011:** Advanced Algorithms
- **Fall 2011:** *Seminar:* Heuristics for Algorithm Design
- **Fall 2010:** Advanced Algorithms
- **Fall 2010:** *Seminar:* Modelling data with uncertainty
- **Spring 2010:** Computational Geometry
- **Spring 2010:** *Seminar:* Topics in Graph Algorithms
- **Fall 2009:** Advanced Algorithms
- **Fall 2009:** *Seminar:* Approximation Algorithms
- **Spring 2009:** Computational Geometry
- **Spring 2009:** *Seminar:* Clustering
- **Fall 2008:** Advanced Algorithms
- **Fall 2008:** Randomized Algorithms
- **Spring 2008:** *Seminar:* The Geometry of Information Spaces
- **Fall 2007:** Advanced Algorithms
- **Fall 2007:** *Seminar:* Approximate High Dimensional Geometry
- **Spring 2007:** Computational Geometry

Presentations

Tutorials

- KDD 2021
- Algorithmic Fairness: Measures, methods and Representations. *ACM Conference on Principles of Database Systems, 2019* [7/2019]
- An AI/ML Bootcamp. *Artificial Intelligence at the Frontiers of International Law concerning Armed Conflict*, Harvard Law [12/2018]
- From Pigeons to Fano and Beyond. *Nexus of Information and Computation, February 2016*.
- New Developments in the theory of clustering. *16th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2010* (with Sergei Vassilvitskii).
- Information Theory for Data Management. *ACM Symposium on the Management of Data (SIGMOD) 2010*. (with Divesh Srivastava).
- Information Theory for Data Management. *35th International Conference on Very Large Databases (VLDB), 2009*. (with Divesh Srivastava).
- Data Visualization and Mining Using The GPU. *11th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, 2005*. (with S. Guha and S. Krishnan)

Distinguished/Invited Lectures/Keynotes

1. Algorithmic Fairness: The mathematical lens. Summer School in Theoretical Computer Science [6/2021]
2. Critical Algorithm Studies: A view from inside CS. Matchpoints 2021. [5/2021]
3. Critical Algorithm Studies: A view from inside CS. Yale Seminar on Computation and Society. [4/2021]
4. Critical Algorithm Studies: A view from inside CS. UIUC Just Infrastructures Series. [4/2021]
5. Algorithmic Fairness: Collisions and collaborations between technology and society. Brown University. [3/2021]
6. The limits of Shapley-based explanations. IBIS 2020. [11/2020]
7. Myths and Truths in Fair ML. Arizona State University. [10/2021]
8. On fairness and explainability in AI. Center for AI and Digital Ethics, University of Melbourne. [9/2020]
9. Teaching Data Science Ethics. SENCER Virtual Summer Institute. [7/2020]
10. The interconnected disciplines of algorithmic fairness. Program in Computational Analysis and Public Policy, U. Chicago. [5/2020]
11. On Algorithmic Fairness. Utah Winter Operations Conference. Snowbird, UT [1/2020]
12. Teaching Data Science Ethics. NSF Workshop on Data Science Education across the Undergraduate Curriculum. Stony Brook University [1/2020]
13. Decentering Tech: Reformulating Algorithmic Fairness. Social Responsibility of Algorithms. Paris, France [12/2019]
14. Bias in Machine Learning. SINAInnovations 2019. New York, NY [11/2019]
15. Algorithmic Fairness. ACLU. [11/2019]
16. Algorithms for Predictive Policing. Amnesty International Expert Meeting on Predictive Policing [5/2019]
17. The Geometry of Fair Representations. Dagstuhl Seminar on Computational Geometry. [4/2019]
18. Algorithm (un)Fairness: A new research area. National University of Singapore Research Week [1/2019]
19. The computational and ethical ramifications of automated decision-making in society. Wellesley College [10/2018]

20. Representations, Context and the Geometry of Bias. Keynote at 2nd Workshop on Ethics in NLP. [6/2018]
21. Mr. Spock has left the building: the computational and ethical ramifications of automated decision-making in society, University of Buffalo. [5/2018]
22. Feedback, big data and policing. Shaping Justice (U. Virginia). [2/2018]
23. Computational Philosophy: Fairness in Automated Decision making. Keynote at 28th International Symposium on Algorithms and Computation (ISAAC). [12/2017]
24. Sublinear verification in data analysis. Keynote at 27th Fall Workshop on Computational Geometry, Stony Brook University. [11/2017]
25. Computational Philosophy and Data Driven Science. Stony Brook University. [11/2017]
26. Ethical Auditing for Accountable Automated Decision-making. Oxford Internet Institute. [10/2017]
27. Panelist, United Nations Special Rapporteur on Privacy Meeting on Privacy, Personalization and AI [9/2017]
28. Algorithmic fairness: From social good to mathematical framework. The Oringer Lecture, Cal-Tech [5/2017]
29. Algorithmic fairness: From social good to mathematical framework. Boise State University. [3/2017]
30. Algorithmic fairness: From social good to mathematical framework. Oregon State University. [11/2016]
31. An Axiomatic Perspective on Fairness. Dagstuhl Seminar “Data, Responsibly”, Germany. [7/2016]
32. Algorithmic fairness: From social good to mathematical framework. Keynote address, 10th AAAI International Conference on the Web and Social Media (ICWSM), Cologne, Germany. [5/2016]
33. A mathematical theory of fairness. Automation, Prediction and Digital Inequalities. Department of Media and Communication, London School of Economics. [4/2016]
34. A Group-theoretic perspective on deep learning. Information Theory and Applications 2016, San Diego. [2/2016]
35. Algorithmic Fairness. Microsoft Social Computing Symposium, New York. [1/2016]
36. Verifying outsourced computation in a few rounds. Sublinear Algorithms Workshop, Baltimore. [1/2016]
37. Challenges in Fairness-Aware Data Mining. Infosys, Pune. [8/2015]
38. Verifying outsourced computations in a few rounds. Bertinoro Workshop on Algorithms and Data Structures [6/2015]
39. Accountability in Data Mining. Directions in Computer Science, IIT Kanpur. [12/2014]
40. Verifying outsourced computations in a few rounds. UC Irvine. [12/2014]
41. Lower bounds for approximate near neighbor search with Bregman divergences. Bertinoro Workshop on Sublinear Algorithms. [5/2014]
42. Lower bounds for approximate near neighbor search with Bregman divergences. Workshop on Hashing, Copenhagen [7/2014]
43. Metaclustering. Haverford College. [4/2014]
44. The Shape of Information. Haverford College. [4/2014]
45. Power to the points: Validating data membership in clusterings. Workshop on Succinct Data Representations and Applications, Simons Institute of Theoretical Computer science. [9/2013]
46. Reverse line stabbing in galleries. Dagstuhl Seminar on Computational Geometry, Dagstuhl, Germany. [3/2013]
47. A Geometric Interpretation of Multiplicative-Weight-Updates for (Multiple) Kernel Learning. Information Theory And Applications Workshop, San Diego. [2/2013]
48. Summer School on Algorithms for Modern Parallel and Distributed Models. Aarhus University [8/2012]

49. Summer School on Massive Data Mining. IT University, Copenhagen. [8/2012]
50. Workshop on Streaming Algorithms. Dortmund, Germany. [7/2012]
51. Protocols for Distributed Learning. From Data to Knowledge: Machine Learning with real-time and streaming applications, Berkeley, CA [5/2012]
52. Protocols for Distributed Learning. NII Shonan Meeting on Large-scale Distributed Computation, Japan [1/2012]
53. Computational Geometry and Learning Summer School, Paris, France. [6/2011]
54. Dimensionality Reduction for Distributions: The Good and the Bad. Yahoo! Research. [5/2011]
55. Workshop on Computational Geometry, Dagstuhl, Germany. [3/2011]
56. Dimensionality Reduction for Distributions: The Good and the Bad. College of Engineering, Montana State University. [2/2011]
57. Dimensionality Reduction for Distributions: The Good and the Bad. Information Theory And Applications Workshop, San Diego. [2/2011]
58. The Geometry of Clusterings, Hard and Soft. SIAM Data Mining Workshop on Clustering: Theory and Applications [5/2010]
59. NSF Workshop on Electronic Design Automation: Past, Present and Future. [7/2009]
60. Non-standard Geometries and Data Analysis. Emerging Trends in Visual Computing (ETVC'08), Paris, France. [11/2008]
61. Histograms, Information Distances And Nonparametric Inference. MSRI Workshop on Mathematics of Visual Analysis [10/2006]
62. Algorithms For Information Distances. Workshop on Sublinear Algorithms, Dagstuhl. [7/2005]

Colloquia

1. On the limits of Shapley values for model explanation. Trustworthy ML seminar, Harvard. [4/2021]
2. The philosophical basis of algorithmic recourse. American Philosophical Association (Pacific Meeting). [4/2021]
3. On the limits of Shapley values for model explanation. Northwestern + TTIC Theory Seminar. [3/2021]
4. AI meets Society: A reflection on inflections. AAAS Spring Meeting. [2/2021]
5. Algorithmic fairness: The mathematical lens. Association for Women in Mathematics, Joint Mathematics Meetings. [1/2021]
6. AUC: Cows are not books. REAL ML Conference. [10/2020]
7. Measuring And Reducing Disparities. CISE-SBE Virtual Roundtable on Harnessing Computational Social Sciences to solve Critical Societal Problems. [5/2020]
8. Algorithms in Criminal Justice. Guest lecture in BYU Criminal Law course [2/2020]
9. Algorithms in Criminal Justice. Guest lecture in BYU Criminal Law course [2/2019]
10. The computational and ethical ramifications of automated decision-making in society. Brown University [10/2018]
11. Towards a theory (or theories) of fairness. MIT ToC Colloquium. [10/2018]
12. Algorithmic Fairness. ML in Paris (Meetup) [2/2016]
13. A Geometric Algorithm for Scalable Multiple Kernel Learning. Google, Inc. [4/2014]
14. Metaclustering. Amazon, Inc. [4/2013]
15. Approximate Bregman Near Neighbors. Max Planck Institute, Saarbrücken, Germany. [3/2013]
16. Approximate Bregman Near Neighbors. University of British Columbia, Vancouver [12/2011]
17. Shapely Measures, Measures on Shapes, ... and one distance to rule them all. University of Illinois, Urbana-Champaign. [9/2010]
18. A Unified Algorithmic Framework for Multidimensional Scaling. The Ohio State University

[4/2010]

19. Non-standard Geometries and Data Analysis. Texas Tech University [1/2010]
20. Robust Shape Matching on Manifolds. Duke University [1/2009]
21. Information-Theoretic Approaches For Taming Large Data. Harvey Mudd College [3/2008]
22. Information-Theoretic Approaches For Taming Large Data. Biomedical Informatics Department, U. Utah [2/2008]
23. Information-Theoretic Approaches For Taming Large Data. Google Seattle [12/2007]
24. Algorithms Research at the University of Utah. Brigham Young University [10/2007]
25. Histograms, Information Distances And Nonparametric Inference. Indian Institute of Science, Bangalore [6/2007]
26. Rapid Identification of Column Heterogeneity. Yahoo! Research [10/2006]
27. Data Visualization and Mining on the GPU. IBM Research, NY [5/2006].
28. Finding Bumps in Space and Time. Purdue University [4/2006]
29. Rapid Identification of Column Heterogeneity. Computer and Information Sciences Department, University of Pennsylvania [3/2006]
30. Hunting of the Bump: On Maximizing Statistical Discrepancy. Lucent Math Seminar [2/2006]
31. Hunting of the Bump: On Maximizing Statistical Discrepancy. AT&T Math Seminar [11/2005]
32. Data Visualization and Mining on the GPU. University of Toronto [9/2005].
33. Algorithms For Information Distances. EPFL, Lausanne [7/2005].
34. Streaming Algorithms in Graphics Hardware. Florida State University [3/2005]
35. Streaming Algorithms in Graphics Hardware. University of Michigan [10/2004]
36. Streaming Algorithms in Graphics Hardware. University of Chicago [11/2003]
37. Streaming Algorithms in Graphics Hardware. AT&T Database Seminar [4/2003]
38. Rectangular Layouts and Contact Graphs. Department of Computer Science and Information Sciences, University of Pennsylvania. [3/2003]
39. Streaming Algorithms in Graphics Hardware. Lucent Bell Labs [3/2003]
40. Rectangular Layouts and Contact Graphs. Lucent/AT&T Labs Math Seminar, Florham Park, NJ. [4/2002]
41. Digital Geometry Processing in Hardware. Department of Computer Science, Duke University [3/2002].
42. Digital Geometry Processing in Hardware. Department of Computer and Information Science, University of Pennsylvania. [2/2002].
43. Digital Geometry Processing in Hardware. AT&T Labs, Menlo Park [1/2002].
44. Digital Geometry Processing in Hardware. Stanford Geometry Seminar [1/2002]
45. Geometric Algorithms in Rational Drug Design. Southern California Algorithms Seminar (USC) (4/00)
46. On the decidability of accessibility. Lucent/AT&T Labs Math Seminar, Florham Park, NJ. [4/2000]
47. On External Memory Graph Traversal. Department of Computer Science, SUNY Stony Brook [2/2000].
48. Geometric Algorithms in Rational Drug Design. Xerox PARC (4/99)
49. Geometric Algorithms in Rational Drug Design. AT&T Shannon Laboratories (3/99)
50. Geometric Algorithms in Rational Drug Design. University of California, Irvine (2/99)
51. Geometric Algorithms in Rational Drug Design. Medical Informatics Department, Stanford University (5/98).
52. Geometric Algorithms in Rational Drug Design. AT&T Laboratories, New Jersey (2/98).
53. Geometric Algorithms in Rational Drug Design. Indian Institute of Technology, Kanpur, India (9/97).

Conference/Workshop Presentations

1. Structural Assumptions in Algorithmic Modeling for Policing. Beyond Risk Assessment: Algorithmic Governance in Law Enforcement and Criminal Justice. Drexel University [9/2019]
2. Fairness and Abstraction in Sociotechnical Systems. ACM Conference on Fairness, Accountability and Transparency. [2/2019]
3. Fairness and Abstraction in Sociotechnical Systems. FAT/Asia [1/2019]
4. Fairness and Abstraction in Sociotechnical Systems. *Explanation and Understanding in the Age of Algorithms* [11/2018]
5. Decision Making with Limited Feedback: Error bounds for Recidivism Prediction and Predictive Policing (Poster). 4th workshop on Fairness, Accountability and Transparency in Machine Learning (FATML), [8/2017]
6. Certifying and Removing Disparate Impact. ACM SIGKDD Symposium on Knowledge Discovery and Data Mining, Sydney, Australia. [8/2015]
7. Hulls and Centerpoints in Positive Definite Space. SIAM Minisymposium on Computational Geometry, Joint Mathematics Meetings, Boston. [1/2012]
8. Robust Shape Matching on Manifolds. Fall Workshop on Computational Geometry [10/2008]
9. Hunting of the Bump: On Maximizing Statistical Discrepancy. 3rd International Workshop on Applied Probability, Storrs, CT [5/2006]
10. Compressing Large Boolean Matrices Using Reordering Techniques. 30th VLDB 2004 [8/2004].
11. Streaming Algorithms in Graphics Hardware. SIGMOD-DIMACS Workshop on Management and Processing of Data Streams [6/2003]
12. Streaming Geometric Optimization Using Graphics Hardware. 11th European Symposium on Algorithms [9/2003]
13. Visualizing Data Depth with Graphics Hardware. DIMACS Workshop on Data Depth [5/2003]
14. Streaming Geometric Optimization Using Graphics Hardware. DIMACS Workshop on Geometric Optimization [5/2003]
15. Streaming Algorithms in Graphics Hardware. DIMACS Streaming Working Group [3/2003]
16. Visualizing Data Depth with Graphics Hardware. 13th ACM-SIAM Symposium on Discrete Algorithms [1/2002]
17. Pattern Matching with Sets of Segments. 12th ACM-SIAM Symposium on Discrete Algorithms, Washington, DC. [1/2001]
18. Hardware-assisted View Dependent Map Simplification. 10th Annual Fall Workshop on Computational Geometry, Stony Brook [10/2000]
19. On External Memory Graph Traversal. 11th ACM-SIAM Symposium on Discrete Algorithms, San Francisco, CA. [1/2000].
20. Approximate Congruence in Nearly Linear Time. 11th ACM-SIAM Symposium on Discrete Algorithms, San Francisco, CA. [1/2000].
21. Approximate Congruence in Nearly Linear Time. 4th CGC Workshop on Computational Geometry, Baltimore, MD. [10/1999].
22. Geometric Pattern Matching: A Performance Study. 15th ACM Symposium on Computational Geometry, Miami, FL. [6/1999].
23. Geometric Point Set Matching: Combinatorial Bounds and Algorithms. 10th ACM-SIAM Symposium on Discrete Algorithms, Baltimore, MD. [1/1999].
24. Geometric Point Set Matching: Combinatorial Bounds and Algorithms. 2nd CGC Workshop on Computational Geometry, Durham, NC. [10/1997].
25. Storage management for evolving databases. 38th IEEE Symp. FOCS, Miami, FL. [10/1997]
26. RAPID: Randomized Pharmacophore Identification in Drug Design. 13th Symposium on Com-

- putational Geometry, Nice, France. [6/1997]
27. RAPID: Randomized Pharmacophore Identification in Drug Design. 1st CGC Workshop on Computational Geometry, Baltimore, MD. [10/1996]
 28. Geometric Manipulation of Flexible Ligands. Workshop on Applied Computational Geometry. [5/1996]

■ Advising

Post-doctoral researchers

- Jeff Phillips (2009–2011)
- Andrew Selbst (2017-2019)
- Nasim Sonboli (2023–)

Ph.D students

- Avishek Saha (2012)
- Parasaran Raman (2013)
- Amirali Abdullah (2015)
- Josephine Moeller (2016)
- Samira Daruki (2017)
- Mohsen Abbasi (2022)
- Ashkan Bashardoust
- Pegah Nokhiz (2024)
- I. Elizabeth Kumar (2024)
- Rui-Jie Yew
- Victor Ojewale
- Praveen Nair
- Ahana Bhattacharya
- Michelle Ding

M.S students

- Harsh Doshi (2007)
- Jon Gunnip (2008)
- Raj Varma Kommaraju (2010)
- Shobhit Gupta (2012)
- Swetha Machanavajhala (2013)
- Nitin Yadav (2015)
- Sarathkumar Swaminathan (2016)
- Sonam Choudhary (2017-2018)
- Kaveri Gupta (2017-2018)

Undergraduate Students

- Qiushi Wang (2011)
- Chad Brubaker (2012)
- Ariel Herbert-Voss (2016)
- Scott Neville (2017)
- Danielle Ensign (2017)
- Claire Zhang (2018)
- Jessica Campbell (2020)
- Madison Peters (2023)
- Amit Levi (2024)
- John Finberg (2024)
- Jennifer Wang
- Michelle Ding

Internal Service

Committees

- Surveillance System Administration Committee (2020-2021)
- School of Computing Awards Committee (2017-2020)
- University of Utah Funding Incentive Seed Grant Committee (2017-2018)
- Internal Review Committee for Department of Philosophy (2017)
- School of Computing Hiring Committee (2016-2017)
- Joint Math-SoC-BioEngineering Stats Cluster Search Committee (2014-15)
- School of Computing Executive Committee (2014-)
- Distinguished Lecture Series Chair (2014-)
- Data Management and Analysis Track Committee (2007-)
- Admissions Committee (2007-2015)
- Director of Graduate Studies (2009-2012)
- Curriculum Committee (2007-2013)
- Outreach Committee (Spring 2007, 2007-2008)
- College of Engineering Math Committee (2010-2013)

Outreach

- First Lego League team coach (2015-2016). Reached State finals and won Core Values award.
- Prepared two modules for presentation at various outreach events (sorting pancakes, computational origami) in collaboration with Erin Parker and Tina Ziemek (2009)
- Friday Afternoon In Engineering (Apr 2009)
- Presentation to West High Girls' Science Club (Mar 2007)
- Judge for SLVSEF (2007, 2008)

External Service

Boards and Committees

- Member of the Board, Data and Society (2023-)
- Member of the Board, Partnership on AI (2024-)
- Member of the Board, Ada Lovelace Institute (2026-)
- Member of the Twitter Academic Advisory Board (2020-2021)
- Member of the Just Tech Committee of the Social Science Research Council (2020-2021)
- Member of the Utah Commission for Protecting Privacy and Prevent Discrimination (2020-2021)
- Member of the Computing Community Consortium Council (2018-2021)
- Member of the Board, ACLU Utah (2017-2021)
- Member of the Research Advisory Council for the First Judicial District of Pennsylvania.
- Member of the Failure-To-Appeal Research Advisory Council for New York City.
- Member of the Scientific Advisory Board, Hirevue Inc., (2018-2019)
- Member of the Board, Hopeful Science, Inc. (2017-)

Editorial Boards

- Internet Mathematics (co-Editor of special issue on Evolving Networks)
- PeerJ Computer Science (Academic Editor)
- International Journal of Computational Geometry and Applications (Associate Editor)

Program Committees:

1. ACM Conference on Fairness, Accountability and Transparency in Computing (FAccT), 2021.
2. Conference on the Foundations of Responsible Computing (FORC) 2020.

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3. 37th International Conference on Machine Learning (ICML), 2020 (Expert Reviewer)
4. Neural Information Processing Systems (NeurIPS), 2019 (Area Chair).
5. 36th International Conference on Machine Learning (ICML), 2019 (Area Chair)
6. The Web Conference (WWW), 2019.
7. 17th Symposium on Experimental Algorithms, 2018.
8. 32nd AAAI Conference on Artificial Intelligence (AAAI), 2018 (Senior PC).
9. 26th ACM International Conference on Information and Knowledge Management (CIKM), 2017 (Senior PC).
10. Third annual International Conference on Computational Social Science (IC2S2), 2017.
11. 44th International Colloquium on Automata, Languages and Programming (ICALP), 2017.
12. IEEE International Conference on Data Mining (ICDM), 2016.
13. Neural Information Processing Systems (NIPS), 2016
14. 25th ACM International Conference on Information and Knowledge Management (CIKM), 2016 (Senior PC).
15. 33rd International Conference on Machine Learning (ICML), 2016.
16. 23rd ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2016.
17. 19th International Conference on Artificial Intelligence and Statistics (AISTATS), 2016.
18. Scandinavian Workshop on Algorithms And Theory (SWAT), 2016
19. SIAM Conference in Data Mining, 2016 (Senior PC)
20. IEEE International Conference on Data Mining (ICDM), 2015
21. Neural Information Processing Systems (NIPS), 2015
22. 33rd Symposium on Theoretical Aspects of Computer Science (STACS), 2016.
23. 22nd ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2015.
24. 35th Annual Foundations of Software Technology and Theoretical Computer Science conference (FSTTCS), 2015.
25. 18th International Conference on Artificial Intelligence and Statistics (AISTATS), 2015.
26. Topics in Theoretical Computer Science (TTCS), 2015
27. 23rd ACM International Conference on Information and Knowledge Management (CIKM), 2014
28. Neural Information Processing Systems (NIPS), 2014
29. 34th Annual Foundations of Software Technology and Theoretical Computer Science conference (FSTTCS), 2014.
30. IEEE International Conference in Data Mining, 2014 (area chair)
31. 20th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2013
32. International Conference on Data Engineering (ICDE), 2014.
33. First International Workshop on Big Dynamic Distributed Data (BD3), 2013.
34. MASSIVE Workshop on Massive Data Algorithmics, 2013.
35. 1st IEEE International Conference on Big Data (IEEE BigData), 2013
36. 22nd ACM International Conference on Information and Knowledge Management (CIKM), 2013
37. 19th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2013
38. IEEE International Conference on Data Mining, 2013 (Contests co-chair)
39. 16th International Conference on Artificial Intelligence and Statistics (AISTATS), 2013.
40. SIAM Conference on Data Mining (SDM), 2013
41. 24th ACM-SIAM Symposium on Discrete Algorithms (SODA), 2013.
42. 3rd MultiClust Workshop: Discovering, Summarizing and Using Multiple Clusterings (co-located with Siam Conference on Data Mining), 2012. Organizing Committee.
43. 1st workshop on Computational Geometry: Applications, Practice, and Theory (CG:APT) (co-located with Symposium on Computational Geometry), 2012.
44. 18th ACM-SIGKDD conference on Knowledge Discovery and Data Mining (KDD) (Vice Chair),

2012

45. 15th International Conference on Artificial Intelligence (AISTATS), 2012.
46. 39th International Colloquium on Automata, Languages and Programming (ICALP) 2012
47. Posters Chair, 44th ACM Symposium on the Theory of Computing (STOC) 2012
48. 44th ACM Symposium on the Theory of Computing (STOC), 2012.
49. 1st International Conference on Pattern Recognition Applications and Methods (ICPRAM), 2012.
50. Workshop on Massive Data Algorithmics (MASSIVE), 2011.
51. IEEE International Conference on Data Mining (Vice Chair), 2011
52. 27th IEEE International Conference on Data Engineering (ICDE), 2011.
53. 21st ACM-SIAM Symposium on Discrete Algorithms (SODA), 2010.
54. Workshop on Massive Data Algorithmics, 2009.
55. The 11th International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS 2009).
56. IEEE International Conference on Data Mining, 2009.
57. IEEE International Conference on Data Mining, 2008.
58. 23rd ACM Symposium on Computational Geometry, 2007.
59. 13th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, 2007.
60. 33rd International Conference on Very Large Databases (VLDB), 2007.
61. 9th Workshop on Algorithms, Engineering and Experiments (ALENEX), 2007.
62. 12th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, 2006.
63. 14th European Symposium on Algorithms, Sep 2006.
64. 16th ACM-SIAM Symposium on Discrete Algorithms, Jan 2005.
65. 12th Annual Workshop on Computational Geometry, Nov 14-15, 2002 (co-sponsored by DIMACS).

Conference Organization

1. ACM Conference on Fairness, Accountability and Transparency, 2018-present. (Steering Committee)
2. ACM Conference on Fairness, Accountability and Transparency, 2018-present. (Executive Committee)
3. ACM Conference on Fairness, Accountability and Transparency, 2020 (Workshops co-Chair)
4. 1st Conference on Fairness, Accountability and Transparency, 2018. (Publications Chair)
5. Symposium on Algorithms Engineering and Experiments (ALENEX), 2018 (Program Chair)
6. 4th Workshop on Fairness, Accountability and Transparency, 2016. (General Chair)
7. 3rd Workshop on Fairness, Accountability and Transparency, 2016. (Program Chair)
8. SIAM Conference in Data Mining, 2015 (Program Chair)
9. 2nd Workshop on Fairness, Accountability and Transparency, 2015. (Program Chair)
10. SIAM Conference on Data Mining, 2014 (Panels Chair)
11. SIAM Conference on Data Mining, 2014 (Tutorials Chair)
12. 8F-CG: Geometry In the Field (co-located with the ACM Symposium on Computational Geometry) 2012 (Program Chair with Jeff Phillips)
13. 3rd MultiClust Workshop: Discovering, Summarizing and Using Multiple Clusterings (Organizing Committee).
14. SIAM minisymposium on Computational Geometry, Joint Mathematics Meetings, 2012 (General and Program Chair)
15. 15th Annual Workshop on Computational Geometry, 2005 (General Chair).
16. 26th ACM Symposium on Computational Geometry, 2010 (General Chair) (with Valerio Pascucci)

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NSF Panels

- CISE Panels (2006,2008,2010,2012,2013,2014,2015,2016,2018,2019,2020)

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