

CURRICULUM VITAE

Subhash Suri

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Education

- Ph.D. (1987), Computer Science, The Johns Hopkins University
- M.S. (1984), Electrical Eng. and Computer Science, The Johns Hopkins University
- B.S. (1981), Electronics Engineering, IIT Roorkee, India

Research Interests

- Computational Geometry, Algorithms, Data Science, Network Science, Robotics and Motion, Game Theory.

Employment

- Distinguished Professor, Department of Computer Science, UC Santa Barbara, 2013–Present.
- Professor, Department of Computer Science, UC Santa Barbara, 2000–Present.
- Chair, Department of Computer Science, UC Santa Barbara, 2011–2014.
- Director, Center for Geometric Computing, UC Santa Barbara, 2011–Present.
- Visiting Professor, Swiss Federal Institute of Technology (ETH), Zurich, 2006–2007.
- Associate Professor with tenure, Washington University, 1997–2000.
- Associate Professor, Washington University, 1994–1997.
- Member of Technical Staff, Bellcore, 1987–1994
- Programmer Analyst, TELCO, India, 1981–1983

Selected Awards and Honors

- *Distinguished Alumnus Award*, Indian Institute of Technology, Roorkee, 2019.
- *Fellow* of American Association for the Advancement of Science (AAAS), 2011.
- *Fellow* of Association of Computing Machinery (ACM), 2010.
- *Fellow* of Institute of Electrical and Electronic Engineers (IEEE), 2009.
- *ACM Distinguished Scientist*, 2007.

- Cray Distinguished Lecture, Department of Computer Science, Univ. of Minnesota, 2013.
- Keynote Speaker, ALGO 2012, Sept 9-14, Ljubljana, Slovenia, 2012.
- Keynote Lecture, 6th Annual International Conference on Distributed Computing in Sensor Systems (DCOSS), June 21-23, 2010.
- Best paper award for “Approximate Isocontours and Spatial Summaries for Sensor Networks” at the 6th International Conference on Information Processing in Sensor Networks (IPSN '07), April 25-27, 2007 (co-authored with Sorabh Gandhi and John Hershberger).
- Best student paper award for “A General Framework for Clearing Auction of Wireless Spectrum” at IEEE DySPAN '07 (co-authored with Sorabh Gandhi, Chiranjeeb Buragohain, Lili Cao, and Haitao Zheng).
- Best paper award for “Profiling over Adaptive Ranges,” at the 4th Annual ACM/IEEE Int. Symp. on Code Generation and Optimization (CGO '06), Mar 26-29, 2006 (co-authored with S. Mysore, B. Agrawal, T. Sherwood and N. Shrivastava).
- Elected IEEE Senior Member, 2004.
- Vice President’s Research Excellence Award, Bellcore, Fall 1993.
- Vice President’s Research Excellence Award, Bellcore, Spring 1993.
- Exceptional Performance Award, Telco, India, 1983.
- Vice-Chancellor’s Gold Medal, University Of Roorkee, India, 1981.
- Best Student Prize, University of Roorkee, 1981.
- Ranked second in the National Entrance exam for Univ. of Roorkee, 1977.
- Third Place Prize in the State High School Examination, 1977.

Selected Department and University Service

- Chair, Computer Science Department, UC Santa Barbara, 2011-14.
- Member, Executive Committee, College of Engineering, UC Santa Barbara, 2018-19.
- Member, Council on Budget and Planning, UC Santa Barbara, 2017-19.
- Member, Graduate Council, UC Santa Barbara, 2014-17.
- Campus Brain Initiative Exec. Committee, 2015-18.
- College of Engineering NeuroEngineering FTE Search Committee, 2015-16.
- Chair, Faculty Recruiting Committee, 2014-15.
- Chair, Graduate Affairs Committee, 2010–11.
- Member, Senate Committee on Committees, 2008–10.
- Chair, Faculty Recruiting Committee, 2007–08.

- Chair, BA in CS Curriculum Reform Committee, 2005–06.
- Chair, Undergraduate Curriculum Committee, 2004–05.
- Chair, Strategic Planning and Space Committee, 2003–04.
- Member, College of Engineering Executive Committee, 2002–05.

Research Grants

1. New Directions in Geometric Shortest Paths. (\$300,000)
National Science Foundation, FY 2018–2021.
Principal Investigator.
2. Geometric Methods in Brain Science. (\$100,000)
National Science Foundation, FY 2016–2018.
Principal Investigator.
3. Geometric Methods in Network Science. (\$500,000)
National Science Foundation, FY 2015–2018.
Principal Investigator.
4. Interdisciplinary Graduate Education Research and Training in Network Science.
(\$3,000,000.) NSF, FY 2013-17.
Joint with Prof. Singh, Proulx, Mohr, Agrawal (UCSB).
5. Social Network Analysis: Geometry, Dynamics and Inference for Very Large Data.
(\$4,200,000). DARPA, FY 2012-2015.
Joint with Profs. Madhow, Zhao, Zheng (UCSB) and HP Labs.
6. Uncertainty-aware Geometric Computing. (\$900,000)
National Science Foundation, FY 2012–2015.
Joint with L. Guibas (Stanford) and P. K. Agarwal (Duke).
7. Fast Traffic Measurement at All Time Scales. (\$75,000)
Cisco Research Gift Fund, FY 2011-2012.
S. Suri and G. Varghese (UCSD).
8. Dynamic Routing & Robotic Coordination for Oceanographic Sampling. (\$1,050,000)
National Science Foundation, FY 2010–2013.
Principal Investigator: F. Bullo (UCSB). Co-PIs: G. Sukhatme (USC) and S. Suri (UCSB).
9. Minimalist Mapping and Monitoring. (\$1,280,000)
National Science Foundation, FY 2009–2013.
Principal Investigator: S. Suri (UCSB). Co-PIs: S. LaValle (UIUC) and F. Bullo (UCSB).
10. WN: Real-time Spectrum Auctioning through Distributed Coordination. (\$100,000)
National Science Foundation, FY '08.
PI: H. Zheng (UCSB). Co-PI: S. Suri (UCSB).
11. Mimir: A Geometric Approach to Program Profiling. (\$300,000)
National Science Foundation, FY '07–'10.
PI: T. Sherwood (UCSB). Co-PI; S. Suri (UCSB).
12. Lightweight Monitoring Tools for Sensor Networks. (\$600,000)
National Science Foundation, FY '06–'10.
Principal Investigator: S. Suri (UCSB). Co-PIs: L. Guibas (Stanford), R. Govindan (USC).
13. Geometric Approaches to Ad Hoc and Sensor Networks. (\$20,000)
National Science Foundation Workshop Grant.
PI: S. Suri (UCSB). Co-PIs: L. Guibas and A. Efrat.

14. Geometric Computing over Distributed and Streaming Data. (\$300,000)
National Science Foundation, FY '05-'11.
Principal Investigator.
15. Information Processing in Sensor Networks. (\$420,000)
Army Research Office and Institute for Collaborative Biotechnologies, FY '03-'06.
PIs: D. Agrawal, A. Singh and S. Suri (UCSB).
16. Foundations of Electronic Marketplaces: Game Theory, Algorithms & Systems. (\$2,800,000)
National Science Foundation medium ITR Grant, FY '01-'06.
Collaborating investigators: T. Sandholm, A. Blum (CMU), M. Kao, M. Satterthwaite, R. Vohra (Northwestern), and S. Suri (UCSB).
17. Game theoretic methods in sensor networks.
NSF REU grant, FY '05-'06. (\$6000)
18. Geometric algorithms for shape discovery and analysis.
NSF REU grant, FY '04-'05. (\$6000)
19. Geometric Problems in Graphics, Databases, and Networking.
National Science Foundation, FY '99-'03.
Principal Investigator. (\$210,128)
20. Fast and Scalable Layer Four Switching.
National Science Foundation, FY '98-'02.
Co-PI with George Varghese and Jonathan Turner. (\$965,353)
21. Efficient Fair Queuing and Load Balancing.
National Science Foundation, FY '96-'00.
Co-PI with G. Varghese. (\$285,000)
22. Effective Visual Presentation of Computer Generated Information.
National Science Foundation Instrumentation Grant, FY '97-'99.
Co-PI with G.-C. Roman, P. M. Hubbard and E. T. Kraemer. (\$130,728)
23. Approximation Algorithms in Computational Geometry.
National Science Foundation, FY '95-'98.
Principal Investigator. (\$100,300)
24. Implementing minimum volume simplex algorithm.
NSF REU supplement grant, FY '96. (\$5000)

Research Mentorship

Graduate Students

- James Hulsey, M.S. Project, *Survey of polygon searching*, 1996. (Washington University)

- Mingquan Xue, M.S. Project. *Scheduling problems in networking, and video broadcast schemes for latency-bandwidth tradeoffs*, 1998. (Washington University)
- Adam Smith, Undergraduate research project, “Rectangular Tiling in Multi-Dimensional Arrays,” 1998. (Washington University)
- Christine West, Undergraduate research project, “Algorithms for Minimum Volume Enclosing Simplex in R^3 ,” 1999. (Washington University)
- Priyank Warkhede, M.S. Thesis, *IP Address Lookup and Packet Classification*, 2000. (Washington University)
- Yunhong Zhou. Ph.D. Thesis “*Shape-Sensitive Geometric Complexity*,” (Washington University) Now, Research Scientist, Microsoft.
- Amit Bhosle. M.S. Thesis “*On the Difficulty of Some Shortest Path Problems*,” 2003 (UCSB). Now with Amazon.com.
- Matthew Maxel. M.S. Thesis “*Computing k Shortest Simple Paths*,” 2003 (UCSB). Now with US Navy.
- Anshul Kothari, Ph.D. Thesis “*Algorithmic Issues in Internet-Centric Applications*,” 2005 (UCSB). Now with Google Labs, Mountain View.
- Jacqueline Hu. M.S. project, “*Localization and routing in Sensor Networks*,” 2006 (UCSB).
- Chiranjeeb Bouragohain. Ph.D. Thesis “*Routing and Data Aggregation in Sensor Networks*,” 2006 (UCSB). First with Amazon, now with Blue Kai.
- Nisheeth Shrivastava. Ph.D. Thesis “*Geometric Synopses for Multi-Dimensional Data Streams*,” 2006 (UCSB). Research Scientist, Bell Labs, India.
- Sorabh Gandhi. Ph.D. Thesis “*Sensors, Streams, and Spectrum*,” 2009 (UCSB). Microsoft, Seattle.
- Andreas Baertschi. M.S. Thesis “*Conflict-free Chromatic Art Gallery Coverage*,” 2011 (ETH-UCSB Exchange Program).
- Pegah Kamousi. Ph.D. Thesis “*Combinatorial and Geometric Optimization over Stochastic Data*,” June 2012 (UCSB). First at Morgan Stanley, now at Element AI.
- Luca Foschini. Ph.D. Thesis “*Approximation Algorithms for Problems on Networks and Streams of Data*,” Sept 2012. Co-founder and Chief Scientist, *Evidation, Inc.*
- Lovro Soldo, M.S. Thesis “*Stochastic Facility Location in Euclidean Space*”, Sept 2012, ETH-UCSB, M.S.
- Kyle Klein, Ph.D. Thesis “*Geometric Pursuit Evasion*,” March 2014. Now at Google.
- Hakan Yildiz, Ph.D. Thesis “*Computing Volumes and Convex Hulls*,” May 2014. Professor at METU, Turkey.
- Jonathan Sun, M.S. Thesis “*Reeb Graphs for Brain Tractography*,” 2016. At Google.

- Thomas Schibler, M.S. Thesis “*Multi-Dimensional Team Formation*,” 2019. At Jet Propulsion Labs.
- Neeraj Kumar, Ph.D. Thesis “*Constrains Removal Problems in Geometry and Graphs*,” 2020. Facebook.

Post-Doctoral Reseachers

- Csaba Toth (Ph.D. ETH Zurich), 2002-2004. Worked on data streams, game theory, and computational geometry. Now Asst. Professor at University of Calgary.
- Kevin Verbeek (Ph.D. TU Eindhoven), 2012-2014. Worked on Social Networks Analysis, Embeddings, Uncertain Data Processing. Now Assistant Professor, TU Eindhoven.
- Martin Fink (Ph.D. University of Wurzburg), 2014-16. Now engineer in Germany.
- Nirman Kumar Fink (Ph.D. UIUC), 2014-16. Now Asst. Professor at University of Memphis.
- Jie Xue (Ph.D. Univ. of Minnesota), 2019-21.

Professional Activities

Program Committees and Panels

- Member, Program Committee, ACM-SIAM Symposium on Discrete Algorithms (SODA), Jan 10–13, 2021.
- Member, Program Committee, WAFR '20 (Algorithmic Foundations of Robotics), Oulu, Finland, 2020.
- Member, Program Committee, SOCG '19 (Symposium on Computational Geometry), Portland, OR, June 2019.
- Member, Program Committee, AAAI'19 (Thirty-Second Annual Conference on Artificial Intelligence), New Orleans, Louisiana, 2018.
- Member, Program Committee, ESA '18, (Annual European Symposium on Algorithms), Helsinki, Finland, 2018.
- Member, Program Committee, WAFR '18 (Algorithmic Foundations of Robotics), Merida, Mexico, Dec 2018.
- Member, Program Committee, ALENEX '17, (Annual ACM Workshop on Algorithm & Engineering and Experiments), Barcelona, Spain, Jan. 2017.
- Member, Program Committee, WAFR '16 (Algorithmic Foundations of Robotics), Berkeley, CA, 2016.

- Member, Program Committee, WAFR '14 (Algorithmic Foundations of Robotics), Istanbul, Turkey, Aug 2014.
- Member, Program Committee, ALGOSENSORS '13, Sophia Antipolis, France, Sept 2013.
- Member, Program Committee, SIROCCO '13 (20th International Colloquium on Structural Information and Communication Complexity), Ischia, Italy, July 1–3, 2013.
- Member, Program Committee, 30th Annual Symposium on Theoretical Aspects of Computer Science, Kiel, Germany, Feb 27–Mar 2, 2013.
- Member, Program Committee, ALGOSENSORS '12, Ljubljana, Slovenia, Sept 2012.
- Member, Program Committee, 8th ACM International Workshop on Foundations of Mobile Computing, Madeira, Portugal, 2012.
- Member, Program Committee, Colloquium on Structural Information and Communication Complexity, Reykjavik, Iceland, June 30 - July 2, 2012.
- Member, Program Committee, Algorithmic Foundations of Robotics, MIT, Cambridge, MA, June 13-15, 2012.
- Member, Program Committee, Information Processing in Sensor Networks, Beijing, China, April 16-20, 2012.
- Member, Program Committee, Algorithms and Data Structures Symposium, Brooklyn, NY, Aug 15-17, 2011.
- Member, Program Committee, ALGOSENSORS '11, Saarbruecken, Germany, 2011.
- Member, Program Committee, International Conference on Distributed Computing in Sensor Systems (DCOSS '11), Barcelona, Spain, June 27-29, 2011.
- Member, Program Committee, International Conference on Data Engineering (ICDE), Hannover, Germany, Apr 11-16, 2011.
- Member, Program Committee, International Conference on Intelligent Robots and Systems (IROS), Taipei, Oct 18-22, 2010.
- Member, Program Committee, 11th ACM Conference on E-Commerce (ACM EC), Boston, July 2010.
- Member, Program Committee, 9th Latin American Theoretical Informatics Symposium Oaxaca, Mexico, April 2010.
- Member, Program Committee, 20th International Symposium on Algorithms and Computation (ISAAC), Honolulu, Hawaii, Dec 2009.
- Member, Program Committee, ACM SenSys, Berkeley, CA, Nov. 2009.
- Vice-chair, International Conference on Distributed Computing in Sensor Systems (DCOSS), Marina Del Ray, June 8-10, 2009.
- Member, Program Committee, ACM Symposium on Principles of Database Systems (PODS) Providence, RI, June 2009.
- Member, Program Committee, ACM Symposium on Computational Geometry, Aarhus, Denmark, June 8-10, 2009.
- Member, Program Committee, International Conference on Information Processing in Sensor Networks (IPSN), San Francisco, April 13-16, 2009.

- Member, Program Committee, ALGOSENSORS, Reykjavik, Iceland, July 2008.
- Member, Program Committee, 5th International Workshop on Foundations of Mobile Computing, Toronto, August 2008.
- Member, Program Committee, 10th International Conference on Distributed Computing and Networking (ICDCN), Hyderabad, India, January 2009.
- Member, Program Committee, 9th ACM Conference on E-Commerce (ACM EC), Chicago, July 2008.
- Co-Chair, Technical Program Committee, 7th Annual Conference on Information Processing in Sensor Networks (IPSN), St. Louis, MO, 2008.
- Member, Program Committee, ACM International Workshop on Foundations of Wireless Ad hoc and Sensor Networking, Hong Kong, China, May 2008.
- Member, Program Committee, 4th International Workshop AlgoSensors 2008.
- Member, Program Committee, 5th ACM Conference on Embedded Networked Sensor Systems (SenSys), Sydney, Australia, Nov. 2007.
- Member, Program Committee, 6th Annual Conference on Information Processing in Sensor Networks (IPSN), MIT, Boston, 2007.
- Member, Program Committee, 3rd IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS), Santa Fe, NM, 2007.
- Member, Program Committee, 9th Annual Workshop on Algorithm Engineering and Experiments, (ALENEX), New Orleans, 2007.
- Member, Program Committee, International Conference on Multisensor Fusion and Integration (MFI), Heidelberg, Oct. 2006.
- Member, Program Committee, 12th International Conference on Parallel and Distributed Systems (ICPADS), Minneapolis, 2006.
- Member, Program Committee, 13th Annual European Symposium on Algorithms (ESA), Ibiza, Oct. 3–6, 2005.
- Member, Program Committee, 16th International World Wide Web Conference (WWW), Chiba, Japan, May 10-14, 2005.
- Member, Program Committee, 3rd IFIP International Conference on Theoretical Computer Science, Toulouse, France, August 23-26, 2004.
- Member, Program Committee, ACM-SIAM Symposium on Discrete Algorithms (SODA), New Orleans, Jan 11–13, 2004.
- Member, Program Committee, 5th ACM Conference on Electronic Commerce (ACM EC), New York, 2004.
- Member, Program Committee, 18th National Conference on Artificial Intelligence (AAAI), Edmonton, Canada, July 2002.
- Chair (Theory Track) Program Committee, 18th ACM Symposium on Computational Geometry, Barcelona, Spain, June 2002.
- Member, Program Committee, Annual ACM-SIAM Symposium on Discrete Algorithms (SODA), San Francisco, Jan 2002.

- Member, Program Committee for *4th International Workshop on Discrete Algorithms and Methods for Mobile Computing and Communications*, Boston, August 2000.
- Member, Program Committee for *16th ACM Symposium on Computational Geometry*, Hong Kong, June 2000.
- Panel Member, Most Significant Contributions to Networking in the Last decade. 14th IEEE Annual Computer Communications Workshop, Colorado, 1999.
- Member, Video Review Committee for *ACM Symposium on Computational Geometry*, 1999.
- Member, Program Committee for *ACM Symposium on Theory of Computing (STOC)*, 1998.
- Chair, Program Committee for *7th Annual International Symposium on Algorithms and Computation*, Osaka, Japan, Dec. 1996.
- Member, Computational Geometry Working Group at *ACM Workshop on Strategic Directions in Computing Research*, MIT, Cambridge, MA, June 14-15, 1996.
- Member, Program Committee for *12th ACM Symposium on Computational Geometry*, Philadelphia, June 1996.
- Coordinator of DOOR (Donation of Conference Records) program 1992–1993. This program, supported by ACM, SIAM, and IEEE, donates conference proceedings to institutions in Third World and Eastern European countries.

Workshop Organization

- Co-organizer (with P. Widmayer and R. Wattenhofer), Workshop on Geometry in Sensor Networks, International Conference and Research Center for Computer Science, Schloss Dagstuhl, April 9–13, 2007.
- Co-organizer (with Leo Guibas and Alon Efrat), NSF Workshop on Algorithmic Approaches in Ad Hoc and Sensor Networks, June 12-13, Santa Barbara, 2006.
- Co-Chair, Workshop on Geometric Complexity sponsored by the Center for Discrete Mathematics and Computer Science, Rutgers University, Oct. 16–20, 1989.

Editorial Boards

- Editor, *Computational Geometry: Theory and Applications*, 1999–2019.
- Editor, *ACM Transactions on Sensor Network*, 2006–2012.
- Editor, *International Journal of Foundations of Computer Science*, 2008–2012.
- Guest Editor, Special Issue of Discrete and Computational Geometry Journal, Vol. 31 (1), 2004.
- Guest Editor, *Lecture Notes in Computer Science* Vol. 1178.

- Reviewer for several computer science and discrete mathematics journals, including Journal of the ACM, Algorithmica, ACM Transactions on Sensor Networks, Computer Networks, Discrete Mathematics, Journal of Algorithms, Journal of Discrete and Computational Geometry, Journal of Computers and Systems Sciences, IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Journal of Robotics and Automation, SIAM Journal of Computing.
- Reviewer for NSF, NSERC, US-Israel, and Dutch granting agencies.

Academic Boards

- Advisory Board, Computer Science Department, Hong Kong University of Science and Technology, 2014–2017.

Industrial Consulting

- Co-Founder and Chief Algorithms Architect for *CombineNet*, Inc, a software technology company, specializing in B2B commerce, 2000–2010.
- Microsoft Research, 2010.
- High Speed Networking Division, Ball Labs, Lucent, 1999.
- Image Minds, 1998-99.
- Theoretical Computer Science Division, Bell Labs, Lucent, 1998.

Research Publications

Peer-Reviewed Conference Papers

1. A Constant Factor Approximation for Navigating Through Connected Obstacles in the Plane. Neeraj Kumar, Daniel Lokshтанov, Saket Saurabh, Subhash Suri. Symposium on Discrete Algorithms (SODA), 2021.
2. Dynamic geometric set cover and hitting set. Pankaj K. Agarwal, Hsien-Chih Chang, Subhash Suri, Allen Xiao and Jie Xue. Symposium on Computational Geometry (SoCG), Zurich, Switzerland, June 23-26, 2020.
3. The Maximum Exposure Problem. Neeraj Kumar, Stavros Sintos and Subhash Suri. Proc. of APPROX'19: Int. Conference on Approximation Algorithms for Combinatorial Optimization Problems, MIT, Boston, Sept. 20-22, 2019.
4. On Multi-Dimensional Team Formation. Thomas Schibler, Ambuj Singh and Subhash Suri. Proc. of CCCG'19: 31st Canadian Conference in Computational Geometry, Edmonton, Alberta, Canada, August 8-10, 2019.
5. Improved Approximation Bounds for the Minimum Constraint Removal Problem. Sayan Bandyapadhyay, Neeraj Kumar, Subhash Suri, Kasturi R. Varadarajan. APPROX-RANDOM 2018: 2:1-2:19
6. Sayan Bandyapadhyay, Anil Maheshwari, Saeed Mehrabi, Subhash Suri. Approximating Dominating Set on Intersection Graphs of Rectangles and L-frames. MFCS 2018: 37:1-37:15
7. Computing Shortest Paths in the Plane with Removable Obstacles. Pankaj K. Agarwal, Neeraj Kumar, Stavros Sintos, Subhash Suri. Scandivanian Workshop on Algorithms Theory 2018: 5:1-5:15
8. John Hershberger, Neeraj Kumar, Subhash Suri. Shortest Paths in the Plane with Obstacle Violations. European Symposium on Algorithms 2017: 49:1-49:14
9. K-Dominance in Multidimensional Data: Theory and Applications. Thomas Schibler, Subhash Suri. European Symposium on Algorithms 2017: 65:1-65:13
10. Efficient Algorithms for k-Regret Minimizing Sets. Pankaj K. Agarwal, Nirman Kumar, Stavros Sintos, Subhash Suri. Symp. on Experimental Algorithms 2017: 7:1-7:23
11. Boundary Labeling with Obstacles. Martin Fink, Subhash Suri. Canadian Conference on Computational Geometry 2016: 86-92
12. Counting Convex k-gons in an Arrangement of Line Segments. Martin Fink, Neeraj Kumar, Subhash Suri. Canadian Conference on Computational Geometry 2016: 155-160
13. Hyperplane Separability and Convexity of Probabilistic Point Sets. Martin Fink, John Hershberger, Nirman Kumar, Subhash Suri. Symposium on Computational Geometry 2016: 38:1-38:16
14. Nirman Kumar, Benjamin Raichel, Subhash Suri, Kevin Verbeek. Most Likely Voronoi Diagrams in Higher Dimensions. FSTTCS 2016: 31:1-31:14
15. Thomas C. van Dijk, Martin Fink, Norbert Fischer, Fabian Lipp, Peter Markfelder, Alexander Ravsky, Subhash Suri, Alexander Wolff. Block Crossings in Storyline Visualizations. Graph Drawing 2016: 382-398

16. Martin Fink, John Hershberger, Subhash Suri, Kevin Verbeek. Bundled Crossings in Embedded Graphs. *LATIN 2016*: 454-468
17. Nirman Kumar, Subhash Suri. Containment and Evasion in Stochastic Point Data. *LATIN 2016*: 576-589.
18. Range-Max Queries on Uncertain Data. Pankaj K. Agarwal, Nirman Kumar, Stavros Sintos, Subhash Suri. *PODS 2016*: 465-476
19. Martin Fink, Subhash Suri. Tradeoffs between Bends and Displacement in Anchored Graph Drawing. *Canadian Conference on Computational Geometry 2015*
20. A Reeb Graph Approach to Tractography. J. Sun, M. Cieslak, S. Grafton and S. Suri. *Proc. ACM SIGSPATIAL*, Nov 3-6, 2015.
21. Tight Bounds for Conflict-free Chromatic Guarding of Orthogonal Art Galleries. F. Hoffmann, K. Kriegel, S. Suri, K. Verbeek and M. Willert. *Proc. 31st Annual Symposium on Computational Geometry (SoCG '15)*, Eindhoven, The Netherlands, June 22-25, 2015.
22. Tradeoffs between Bends and Displacement in Anchored Graph Drawing. M. Fink and S. Suri. *Proc. 27th Canadian Conference on Computational Geometry (Canadian Conference on Computational Geometry '15)*, Kingston, Canada, Aug 10-12, 2015.
23. Geometric K Shortest Paths. S. Eriksson-Bique, J. Hershberger, V. Polishchuk, B. Speckmann, S. Suri, T. Talvitie, K. Verbeek and H. Yildiz. *Proc. of Annual ACM-SIAM Symposium on Discrete Algorithms (SODA '15)*, San Diego, Jan 4-6, 2015.
24. On the Most Likely Voronoi Diagram and Nearest Neighbor Searching. Subhash Suri and Kevin Verbeek. *25th Int. Symp. on Algorithms and Computation (ISAAC 2014)*, Korea, Dec 15-17, 2014.
25. Convex Hulls under Uncertainty. Pankaj Agarwal, Sariel Har-Peled, Subhash Suri, Hakan Yildiz and Wuzhou Zhang. *22nd Annual European Symposium on Algorithms (European Symposium on Algorithms '14)*, Poland, Sept 8-10, 2014.
26. Trackability with Imprecise Localization. Kyle Klein and Subhash Suri. *Proc. 11th International Workshop on the Algorithmic Foundations of Robotics (WAFR '14)*, Istanbul, Turkey, August 3-5, 2014.
27. Metric Embedding, Hyperbolic Space, and Social Networks. Kevin Verbeek and Subhash Suri. *30th Annual ACM Symposium on Computational Geometry (SoCG '14)*, Kyoto, Japan, June 8 - 11, 2014.
28. Pursuit Evasion on Polyhedral Surfaces. Kyle Klein and Subhash Suri. *24th International Symposium on Algorithms and Computation (ISAAC 2013)*, Hong Kong, Dec 16-18, 2013.
29. Euclidean Traveling Salesman Tours through Stochastic Neighborhoods. Pegah Kamousi and Subhash Suri. *24th International Symposium on Algorithms and Computation (ISAAC 2013)*, Hong Kong, Dec 16-18, 2013.
30. On the Most Likely Convex Hull of Uncertain Points. Subhash Suri, Kevin Verbeek and Hakan Yildiz. *21st Annual European Symposium on Algorithms (European Symposium on Algorithms '13)*, Sophia Antipolis, France, Sep 2-6, 2013.
31. Capture Bounds for Visibility-Based Pursuit Evasion. Kyle Klein and Subhash Suri. *29th ACM Symposium on Computational Geometry (SoCG '13)*, Rio de Janeiro, Brazil, June 17 - 20, 2013.

32. A Near-Optimal Algorithm for Shortest Paths Among Curved Obstacles in the Plane. John Hershberger, Subhash Suri and Hakan Yildiz. *29th ACM Symposium on Computational Geometry (SoCG '13)*, Rio de Janeiro, Brazil, June 17 - 20, 2013.
33. Memory Efficient Minimum Substring Partitioning. Yang Li, Pegah Kamousi, Fangqiu Han, Shengqi Yang, Xifeng Yan, Subhash Suri. *39th International Conference on Very Large Databases (VLDB '13)*, Trento, Italy, Aug 26-30, 2013.
34. Catch me if you can: Pursuit and Capture in Polygonal Environments with Obstacles. Kyle Klein and Subhash Suri. *26th Conference on Artificial Intelligence (AAAI '12)*, Toronto, Canada, July 22-26, 2012.
35. On Klee's Measure Problem for Grounded Boxes. Hakan Yildiz and Subhash Suri. *28th ACM Symposium on Computational Geometry (SoCG '12)*, Chapel Hill, NC, June 16 - 20, 2012.
36. Conflict-free Chromatic Art Gallery Coverage. Andreas Baertschi and Subhash Suri. *29th Symposium on Theoretical Aspects of Computer Science (STACS '12)*, Paris, France, Feb 29 - Mar 3, 2012.
37. The Union of Probabilistic Boxes: Maintaining the Volume. Hakan Yildiz, Luca Foschini, John Hershberger, Subhash Suri. *Proc. of 19th Annual European Symposium on Algorithms (European Symposium on Algorithms)*, pp. 591-602, 2011.
38. Complete Information Pursuit Evasion in Polygonal Environments. Kyle Klein and Subhash Suri. *25th Conference on Artificial Intelligence (AAAI '11)*, San Francisco, CA, Aug 7-11, 2011.
39. A Discrete and Dynamic Version of Klee's Measure Problem. Hakan Yildiz, John Hershberger, Subhash Suri. *Proc. of 23rd Canadian Conference on Computational Geometry*, six pages, 2011.
40. Closest Pair and the Post Office Problem for Stochastic Points. Pegah Kamousi, Timothy Chan, and Subhash Suri. *Algorithms and Data Structures Symposium (WADS)*, Brooklyn, NY, Aug 15-17, 2011.
41. Stochastic Minimum Spanning Trees in Euclidean Spaces. Pegah Kamousi, Timothy Chan, and Subhash Suri. *Symposium on Computational Geometry (SoCG)*, Paris, France, June 13-15, 2011.
42. Efficiently Measuring Bandwidth at All Time Scales. Frank Uyeda, Luca Foschini, Subhash Suri and George Varghese. *Proc. 8th USENIX Symposium on Networked Systems Design & Implementation (NSDI '11)*, Boston, Mar 30–April 1, 2011.
43. On the Complexity of Time-Dependent Shortest Paths. Luca Foschini, John Hershberger, and Subhash Suri. *Proc. of Annual ACM-SIAM Symposium on Discrete Algorithms (SODA '11)*, San Francisco, Jan 23-25, 2011.
44. Stochastic Minimum Spanning Trees and Related Problems. Pegah Kamousi and Subhash Suri/ *Proc. of Analytic Algorithmics and Combinatorics (ANALCO)*, Jan. 23-25, 2011,
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