Prosenjit Bose

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Last updated: November 7, 2026
Covers 2020 to present

Work Experience: Academic

11/25 –	Associate Vice-President Research	Carleton
04/25 –	Cross Appointment	School of Math & Stats, Carleton
01/24 –	NSERC Leader for Carleton	NSERC
04/20 –	Chancellor's Professor	School of Computer Science, Carleton
10/22 –	Adjunct Professor	University of Windsor
09/20 –	Adjunct Professor	Tufts University
06/14 –	Adjunct Professor	University of Manitoba
06/10 –	Collaborateur Scientifique	Univ. Libre Bruxelles
07/06 –	Full Professor	School of Computer Science, Carleton
01/23 – 10/25	Associate Dean Research and International	Carleton Faculty of Science
09/20 – 08/23	Director of OCICS	Carleton U and U of O
07/20 – 12/22	Graduate Director (Program Management)	Carleton

Education

01/95 – 12/95 **Killam & NSERC Postdoctoral Fellowship**, Univ. of British Columbia.
Investigated the applications of Computational Geometry in such areas as Automated Manufacturing, Geographic Information Systems (GIS), Pattern Recognition, Graph Drawing and Scientific Visualization with Dr. David Kirkpatrick and Dr. Jack Snoeyink.

01/92 – 12/94 **Ph.D. Computer Science**, McGill University.
D.W. Ambridge Award – Outstanding PhD Graduate in Science & Engineering.
Thesis: *Geometric and Computational Aspects of Manufacturing Processes.*
Dean's Honour List.
Supervisor: Dr. Godfried Toussaint

05/90 – 12/91 **M.Math. Computer Science**, University of Waterloo.
Thesis: *Visibility in Polygons*. Dean's Honour List.
Supervisors: Dr. Anna Lubiw and Dr. Ian Munro

09/85 – 04/90 **B.Math. Honours Computer Science & Combinatorics**, Univ. of Waterloo.
Graduated with Distinction on Dean's Honour List.

Main Research Interests

Research Interests Applied Geometric Computing (applications to Manufacturing, G.I.S., Pattern Recognition, Image Processing), Computational Geometry, Data Structures, Algorithm Design and Analysis, Randomized Algorithms, Graph Theory.

Geometric computing	The design, analysis, and empirical study of algorithms for geometric problems such as those that occur in geographic information systems, manufacturing, and facility location.
Online and distributed computing	The design, analysis and empirical study of routing protocols and distributed algorithms.

Grants

Years	Grant	Investigator(s)	Amount
2025 – 2030	NSERC Discovery grant	P. Bose	$405 000
2026 – 2028	MITACS Accelerate	P. Bose, Bluwave-AI	$150 000
2024 – 2026	MITACS Accelerate	P. Bose, Bluwave-AI	$105 000
2021	Carleton University Research Achievement Award	P. Bose	$15 000
2020	Carleton Faculty Research Achievement Award	P. Bose	$5 000
2019 – 2025	NSERC Discovery grant	P. Bose	$330 000
2020 – 2022	MITACS Accelerate	P. Bose, M. Bremner	$90 000
2019 – 2020	NSERC Engage grant	P. Bose, J. Howat (Kinaxis)	$25 000
2018 – 2020	Inria Team grant (TRIP)	O. Devillers, P. Bose	€30 000

Achievement Awards

2021	Carleton University Research Achievement Award
2020	Research Achievement Award - Carleton Faculty of Science

Teaching

Course	Title	Institution	Terms
COMP2804	Discrete Structures II	Carleton	F22
COMP3804	Algorithms	Carleton	F16, F17, F20
COMP4804	Design and Analysis of Algorithms II	Carleton	W11–13, W16, F18–26
COMP5703	Advanced Algorithms	Carleton	F24–26
COMP5900	Graphs and Algorithms	Fields Inst. & Carleton	F26

Administrative Duties at Carleton

2026 –	Co-chair, Carleton Research Strategic Planning Committee
2026 –	Co-chair, Carleton Digital Steering Committee
2026 –	SNOLAB Board Member
2026 –	TRIUMF Board Member
2026 –	Efficiency Canada Board Member
2026 –	Reclimate Board Member
2026 –	BEKH Administrative Director
2024 –	Carleton Expense Review Committee
2022 –	Carleton CREAD
2022 – 2025	Carleton International Committee

2023 – 2024	Carleton Expense Policy Committee
2021 – 2022	Carleton RAA Committee
07/20 – 12/22	Graduate Faculty Board
07/20 – 12/22	OCICS Board of Management
07/20 – 12/22	SCS Graduate Curriculum Committee
07/20 – 12/22	SCS Graduate Awards Committee
07/20 – 12/22	SCS Scholarship Committee

Student and Postdoctoral Supervision

Supervision category	Previous	Current	Total
Postdoctoral researchers	18	2	20
PhD students	29	3	32
Master's students	39	1	40
Undergraduate students	60	1	61

Counts include co-supervision and exchange students. Research associates are included with postdoctoral researchers; undergraduate research and honours projects are combined. Each person is counted once per category, with current supervisees excluded from the previous column.

Years	Name	Degree / Role	Research Topic
2026 –	Evan Maxted	PhD	Computational Geometry
2026 –	Evan Saikaley	Masters	Mesh generation
2026 –	Bobby Miraftab	Research Associate	Algorithms and Graphs
2025 –	Leonidas Theocharous	PostDoc	Algorithms and Graphs
2023 –	Zoltan (William) Kalnay	PhD	Algorithms
2022 –	Yan Garito	PhD	Computational Geometry
2024 – 2026	John Stuart	PhD (U of O)	Computational Geometry
2026	Anne Boivin	UG Research	Delaunay Applications
2025 – 2026	Amirali Madani	PostDoc	Optimization Problems (with Bluwave)
2025 – 2026	Evan Maxted	Masters	Data Structures
2023 – 2026	Bobby Miraftab	PostDoc	Algorithms and Graphs
2020 – 2026	Tyler Tuttle	PhD	Computational Geometry
2021 – 2025	Alma Loyola	Masters	Computational Geometry
2025	Alex De Meo	UG research	Computational Geometry
2022 – 2025	Karthik Murali	PhD	Computational Geometry
2021 – 2025	Saeed Odak	PhD (U of O)	Computational Geometry
2021 – 2025	Amirali Madani	PhD	Geometric Graph Theory
2019 – 2025	Mike Bremner	PhD	Computational Geometry
2021 – 2024	David Worley	Masters (U of O)	Computational Geometry
2021 – 2024	Ikaro Costa	Masters (U. Manitoba)	Computational Geometry
2024	Ajay Sandhu	NSERC USRA	Data Structures
2024	Evan Maxted	NSERC USRA	Data Structures
2020 – 2024	Guillermo Esteban	PhD (cotutelle)	Computational Geometry
2022 – 2023	Sandrine Njoo	Masters (U of O)	Computational Geometry

Years	Name	Degree / Role	Research Topic
2019 – 2023	Saman Bazargani	PhD (U of O)	Computational Geometry
2019 – 2023	Mehrnoosh Javarsineh	PhD	Graphs
2020 – 2024	Andrew Gönczi	Masters (Tufts Univ.)	Computational Geometry
2021 – 2023	Elmira Adeeb	PhD	Changed Topics 2023
2021 – 2023	Patrick Devaney	Masters (Windsor)	Computational Geometry
2016 – 2022	Anthony D'Angelo	PhD	Algorithms
2020 – 2022	Zoltan (William) Kalnay	Masters	Algorithms
2020 – 2022	Christopher Blackman	Masters	Rendez-vous problems
2021 – 2022	Yan Garito	Masters (U. Bordeaux)	Computational Geometry
2021	Joyce Bacic	NSERC USRA	Computational Geometry
2021	Julia Cai	NSERC USRA	Computational Geometry
2021	Charles Nguyen	UG research (DSRI)	Computational Geometry
2019 – 2021	Yunkai Wang	Masters	Computational Geometry
2019 – 2021	F.-X. Chaplain Corriveau	Masters	Algorithms
2018 – 2020	Tyler Tuttle	Masters	Computational Geometry
2020	Luis Fernando	Postdoc	Computational Geometry
2016 – 2020	Maria del Pilar Cano	PhD	Computational Geometry
2019 – 2020	Hugo Akitaya	Postdoc	Computational Geometry
2019 – 2020	Richard St. John	UG research	Kinaxis Collaboration
2019 – 2020	Alex Trostanovsky	UG research	Kinaxis Collaboration
2019 – 2020	Zoltan Kalnay	UG research	Kinaxis Collaboration
2017 – 2020	Saeed Mehrabi	Fields Postdoc	Computational Geometry
2016 – 2020	Luis Fernando	PhD	Computational Geometry

Undergraduate Honours Project Supervision

Year	Name	Fourth-year B.C.S. Project
2026 –	Khang Tran	Skip QuadTrees
2026	Marko Toito	Online routing in Spanners
2024	Marwan Atia-Elkaseh	Experiments with TSP
2023	Irving Ou	Randomized Linear Programming
2022	Joyce Bacic	Constrained k-enclosing sets
2022	Mia Chen	Variants of Linear Programming
2022	Nicholas Lalonde	Low degree plane spanners
2021	Patrick Shipton	Properties of optimal BSTs
2021	Ali Elkholy	Image Similarity
2020	Jacob Boertjes	Nearest Neighbor Problems
2020	Jaime Herzog	Automated Cut Detection
2020	Zoltan (William) Kalnay	Amortized Skip Lists
2020	Nathaniel (Austin) Mitchell	Semi-splay trees

Year	Name	Fourth-year B.C.S. Project
2020	Bence Meszaros	Delaunay Triangulations Simplified
2020	Richard St. John	The Geometry of Binary Search Trees

Directed Studies Course

Term	Name	Topic
W21	Mike Bremner	Computational Geometry

Collaborators

I have published with the following 286 coauthors. Current and former students and postdoctoral researchers listed above appear in boldface.

Z. Abel, M. Abellanas, H.-K. Ahn, O. Aichholzer, **H. Akitaya**, S. Allen, **G. Aloupis**, **M. Amani**, B. Aronov, E. Arseneva, T. Asano, B. Asberg, **R. Atanassov**, **V. Audet**, D. Avis, S. Bae, **Y. Bahoo**, D. Bakhshesh, B. Ballinger, B. Banyassady, **L. Barba**, M. Barbeau, G. Barequet, **S. Bazargani**, S. Beauchemin, A. Beingessner, M. Bekos, P. Belleville, Z. Ben Azouz, N. Benbernou, S. Bereg, S. Bhore, T. Biedl, **A. Biniaz**, G. Blanco, T. Bolkart, N. Bonichon, M. Borrazzo, **D. Bradley**, D. Bremner, A. Brodnik, A. Brunton, A. Büngener, J. Buss, S. Cabello, **P. Cano**, J. Cardinal, S. Carlsson, **P. Carmi**, **G. Carmichael**, **J.-D. Caron**, L. Chaitman-Yerushalmi, A. Chalifour, A. Chan, E. Chen, S.-W. Cheng, O. Cheong, C. Chung, N. Coll, S. Collette, **M. Couture**, K. Crosbie, J. Czyzowicz, M. Damian, **A. D'Angelo**, K. Dannies, **L. da Silveira**, A. Dean, M. de Berg, **J.-L. De Carufel**, M. de Groot, F. Dehne, E. Demaine, M. Demaine, V. Despré, **P. Devaney**, O. Devillers, L. Devroye, G. Di Battista, M. Dickerson, M. Dobbins, K. Dobrindt, C. Doell, **K. Douïeb**, **V. Dujmovic**, A. Dumitrescu, S. Durocher, D. Eppstein, L. Esperet, **G. Esteban**, W. Evans, H. Everett, R. Fagerberg, **M. Farshi**, S. Fekete, T. Fevens, R. Flatland, R. Fleischer, E. Fogel, F. Frati, Z. Gao, J. García-López, A. García Olaverri, **Y. Garito**, L. Gasieniec, C. Gavoille, T. Geft, K. Ghoudi, V. Gledel, F. Gómez, M. Goodrich, C. Gray, C. Grimm, J. Gudmundsson, L. Guibas, H. Guo, A. Hadziomerovic, **E. Hahn**, D. Halperin, N. Hanusse, **M. He**, **D. Hill**, **N. Hoda**, J. Hodor, M. Hoffmann, H. Houdrouge, M. Houle, **J. Howat**, F. Hurtado, J. Hutchinson, J. Iacono, R. Jacob, **D. Jansens**, **M. Javarsineh**, P. Jetty, G. Joret, C. Kaklamanis, S. Kamali, M. Katz, M. Kaufmann, J. M. Keil, W. Keng, H. Kim, J. King, D. Kirkpatrick, L. Kirousis, L. Kleist, S. Kominers, M. Korman, I. Kostitsyna, G. Koumoutsos, E. Kranakis, D. Krizanc, R. Laganière, **P. Lai**, S. Langerman, M. Latzel, **A. Lee**, W. Lenhart, **D. Lessard**, Z. Li, G. Liotta, Y. Liu, M. Löffler, A. López-Ortiz, **A. Loyola**, A. Lubiw, **A. Madani**, A. Maheshwari, J. Matousek, M. McAllister, **S. Mehrabi**, H. Meijer, P. Micek, **B. Miraftab**, D. Mondal, F. Montecchiani, M. Mora, **P. Morin**, **J. Morrison**, A. Mukhopadhyay, W. Mulzer, J. I. Munro, **K. Murali**, G. Narasimhan, L. Narayanan, C. M. Nicolás, **S. Njoo**, F. Nouboud, **S. Odak**, E. Oh, E. Omaña-Pulido, A. Ooms, D. Orden, J. O'Rourke, Y. Otachi, M. Overmars, B. Palop, M. Paquette, **F. Paradis**, V. Pathak, M. Payne, **M. Peabody**, A. Pelc, D. Peleg, C. Pennarun, L. Perkovic, A. Pór, S. Pratt, S. Ramaswami, C. Rambaud, P. Ramos, D. Rappaport, **L. Rioux-Maldague**, E. Rivera-Campo, M. Rockley, K. Romanik, T. Roos, G. Rote, G. Roth, S. Roy, V. Sacristán, A. Sajadpour, C. Samson, M. Saumell, O. Scallan, S. Schirra, **B. Seamone**, C. Seara, J. Sellarès, S. Sethia, **A. Shaikhet**, S. Shamai, T. Shermer, C. Shu, R. Silveira, M. Skala, M. Smid, S. Smorodinsky, J. Snoeyink, D. Souvaine, B. Speckmann, I. Stojmenovic, **J. Stuart**, **Y. Tang**, A. Tappini, P. Taslakian, J. Tejel, **L. Theocharous**, C. Tóth, G. Toussaint, A. Turki, **T. Tuttle**, R. Uehara, J. Urrutia, J. Vahrenhold, P. Valtr, I. van Duijn, M. van Kreveld, **A. van Renssen**, C. van Walraven, M. Vargas Martin, **S. Verdonschot**, V. Verma, G. Viglietta, A. Vigneron, B. Vogtenhuber, L. Vought, M. Wahid, **Q. Wang**, **Y. Wang**, A. Weinberger, **A. Whitehead**, S. Whitesides, G. Wilfong, S. Wismath, **D. Wood**, **S. Wuhrer**, G. Xia, D. Xu, S. Yu, Y. Yuditsky, J. Zaks, **N. Zeh**, C. Zelle, B. Zhu.

Invited Lectures

May 2026	Helsinki CS Theory Seminar, Computational aspects of disks enclosing many points
Nov 2025	Invited Speaker, Herzberg Lecture, Is There Structure Hidden in the Chaos of a Bunch of Dots?
Aug 2025	Invited Speaker, WADS, Constructing and Routing in Geometric Spanners
May 2025	Invited Speaker, Dagstuhl Seminar, Constructing and Routing on Plane Geometric Spanners
Oct 2024	Invited Speaker, TU/e Eindhoven Seminar, Online routing in geometric graphs
Feb 2022	Keynote, ICCG, Saeed Mehrabi Memorial Lecture: The final problem I worked on with Saeed
Dec 2021	Keynote, ISAAC, Spanning Properties of Variants of the Delaunay Graph
Mar 2021	Invited Speaker, Tufts University, Finding a path without a map
Feb 2020	Encounter with Canada Why Computer Science?

Contributions to the Scientific Community

2027	Steering Committee	WADS
2027	Program Committee	SOCG 2027, Bangalore, India
2027	Program Committee	EGC 2027, Sevilla, Spain
2026	Program Committee	GD 2026, St. Catharines, Canada
2026	Program Committee	SWAT 2026, Copenhagen, Denmark
2026	Program Committee	LATIN 2026, Florianópolis, Brazil
2026	Panel Lead	Early Researcher Award (Ont Govt), ICT, Math & Physics
2026	Co-organizer	Workshop on Geometry and Graphs, Bellairs McGill
2025	Committee Member	CFI: Multidisciplinary Assessment Committee
2025	Co-organizer	Workshop on Geometry and Graphs, Bellairs McGill
2024	Member	NSERC Leader committee
2024	Program Committee	31st Fall Workshop on CG, Tufts University
2024	Program Committee	CCCG 2024, St. Catharines, ON
2024	NSERC Institutional Leader	Carleton Representative at NSERC
2024	Co-organizer	Workshop on Geometry and Graphs, Bellairs McGill
2023	Committee Member	Early Researcher Award (Ont Govt)
2023	Program Committee	Algorithms and Data Structures Symposium (WADS), Montreal
2023	Program Committee	CCCG 2023, Montreal
2023	Committee Member	CFI: Multidisciplinary Assessment Committee
2022	Committee Member	German Research Foundation (DFG)
2023	Co-organizer	Workshop on Geometry and Graphs, Bellairs McGill
2022	Program Committee	CCCG 2022
2022	Co-organizer	Workshop on Geometry and Graphs, Bellairs McGill
2021	Committee Member	Early Researcher Award (Ont Govt)
2021	Program Committee	CCCG 2021
2021	Program Committee	CanaDAM 2021
2021	Co-organizer	Workshop on Computational Geometry, Bellairs McGill
2020	Committee Member	Early Researcher Award (Ont Govt)
2020	Committee Member	CFI: Multidisciplinary Assessment Committee

2020	Program Committee	LATIN 2020
2020	Program Committee	SoCG Media Exposition 2020
2020	Co-organizer	Workshop on Computational Geometry, Bellairs McGill
2014 –	Associate Editor	Journal of Computer and System Sciences (JCSS)

Referee for the Following Journals and Publishers

Algorithmica, Computer Aided Design, Computational Geometry: Theory and Applications, Discrete and Computational Geometry, Information Processing Letters, International Journal of Computational Geometry, Pattern Recognition, Theoretical Computer Science, McGraw Hill Publishing.

Examiner for the Following Students

2025	Joshua Bertram	Examiner Masters (Carleton)
2025	Harjas Singh	External Examiner on PhD (TMU)
2024	Leonidas Theocharous	External Examiner on PhD (Eindhoven)
2021	Antonin Lentz	External Examiner on PhD (Bordeaux)
2021	Sima Hajiaghaei Shanjani	External Examiner on PhD (Victoria)
2020	Céline Yelle	Examiner Masters (U of O)

Publications

Journal Papers

[52] Bazargani, S., Biedl, T., Bose, P., Maheshwari, A., and Miraftab, B. The basis number of 1-planar graphs. *Annals of Combinatorics*, 2026.

[51] Bazargani, S., Biniaz, A., and Bose, P. Piercing pairwise intersecting convex objects in a 2-dimensional Euclidean space. *Computing in Geometry and Topology, accepted*, 2026.

[50] Biedl, T., Bose, P., and Murali, K. Computing vertex and edge connectivity of graphs drawn with small ribbon radius. *DCG, accepted*, 2026.

[49] Biniaz, A., Bose, P., Chung, C., De Carufel, J.-L., Iacono, J., Maheshwari, A., Odak, S., Smid, M., and Tóth, C. D. Tight bounds on the number of closest pairs in vertical slabs. *JoCG, accepted*, 2026.

[48] Biniaz, A., Bose, P., and Shermer, T. C. Piercing unit geodesic disks. *Comput. Geom.*, 131:102209, 2026.

[47] Bose, P., Dujmovic, V., Houdrouge, H., Javarsineh, M., and Morin, P. Linear versus centred colouring via pseudogrids. *Journal of Graph Theory, accepted*, 2026.

[46] Bose, P., Esteban, G., Orden, D., Silveira, R., and Tuttle, T. On geodesic disks enclosing many points. *DCG, accepted*, 2026.

[45] Bose, P., Esteban, G., and Tuttle, T. Computational aspects of disks enclosing many points. *Discrete Applied Mathematics*, 2026. DAM_13951.

[44] Bose, P., Madani, A., Maheshwari, A., and Miraftab, B. On shortest path, BFS- and DFS-tree graphs. *J. Graph Algorithms Appl.*, 2026.

[43] Aloupis, G., Biniaz, A., Bose, P., De Carufel, J., Eppstein, D., Maheshwari, A., Odak, S., Smid, M., Tóth, C. D., and Valtr, P. Noncrossing longest paths and cycles. *Graphs Comb.*, 41(6):122, 2025.

[42] Bekos, M. A., Bose, P., Büngener, A., Dujmovic, V., Hoffmann, M., Kaufmann, M., Morin, P., Odak, S., and Weinberger, A. On k-planar graphs without short cycles. *J. Graph Algorithms Appl.*, 29(3):1–22, 2025.

[41] Biedl, T., Bose, P., and Miraftab, B. On the d-independence number in 1-planar graphs. *Graphs Comb.*, 41(6):127, 2025.

[40] Biniaz, A., Bose, P., De Carufel, J., Maheshwari, A., Miraftab, B., Odak, S., Smid, M., Smorodinsky, S., and Yuditsky, Y. On separating path and tree systems in graphs. *Discret. Math. Theor. Comput. Sci.*, 27(2), 2025.

[39] Biniaz, A., Bose, P., and Devaney, P. Approximating average bounded-angle minimum spanning trees. *Comput. Geom.*, 128:102172, 2025.

[38] Bose, P., D'Angelo, A., and Durocher, S. Approximating the smallest k-enclosing geodesic disc in a simple polygon. *J. Comput. Geom.*, 16(1):453–487, 2025.

[37] Bose, P., De Carufel, J., Esteban, G., and Maheshwari, A. Computing shortest paths amid non-overlapping weighted disks. *Results in Mathematics (to appear), Springer*, 2025.

[36] Bose, P., De Carufel, J., Maheshwari, A., and Murali, K. On 1-planar graphs with bounded cop-number. *Theor. Comput. Sci.*, 1037:115160, 2025.

[35] Bose, P., De Carufel, J., and Njoo, S. The exact spanning ratio of the parallelogram Delaunay graph. *Theor. Comput. Sci.*, 1037:115152, 2025.

[34] Bose, P., De Carufel, J., and Shermer, T. C. Pursuit-evasion in graphs: Zombies, lazy zombies and a survivor. *Discret. Math.*, 348(1):114220, 2025.

[33] Bose, P., De Carufel, J., Hill, D., and Smid, M. On the spanning and routing ratio of the directed theta-four graph. *Discret. Comput. Geom.*, 71(3):872–892, 2024.

[32] Bose, P., Esteban, G., and Maheshwari, A. A Steiner-point-based algorithm for approximate shortest paths in weighted equilateral-triangle meshes. *Theor. Comput. Sci.*, 1001:114583, 2024.

[31] Bose, P., Fogel, E., Geft, T., Halperin, D., and Shamai, S. Optimal algorithms for separating a polyhedron from its single-part mold. *Comput. Geom. Topol.*, 3(1):7:1–7:19, 2024.

[30] Bose, P., Hill, D., and Ooms, A. Improved spanning ratio of the theta-5 graph. *J. Comput. Geom.*, 15(1):66–87, 2024.

[29] Bose, P., and Tuttle, T. Routing on heavy path WSPD spanners. *Comput. Geom.*, 123:102121, 2024.

[28] Akitaya, H. A., Biniaz, A., Bose, P., De Carufel, J., Maheshwari, A., da Silveira, L. F. S. X., and Smid, M. The minimum moving spanning tree problem. *J. Graph Algorithms Appl.*, 27(1):1–18, 2023.

[27] Biniaz, A., Bose, P., and Wang, Y. Simple linear time algorithms for piercing pairwise intersecting disks. *Comput. Geom.*, 114:102011, 2023.

[26] Bonichon, N., Bose, P., De Carufel, J., Despré, V., Hill, D., and Smid, M. Improved routing on the Delaunay triangulation. *Discret. Comput. Geom.*, 70(3):495–549, 2023.

[25] Bose, P., Cardinal, J., Iacono, J., Koumoutsos, G., and Langerman, S. Competitive online search trees on trees. *ACM Trans. Algorithms*, 19(3):25:1–25:19, 2023.

[24] Bose, P., Carmi, P., Dujmovic, V., Mehrabi, S., Montecchiani, F., Morin, P., and da Silveira, L. F. S. X. Geodesic obstacle representation of graphs. *Comput. Geom.*, 109:101946, 2023.

[23] Bose, P., Esteban, G., Orden, D., and Silveira, R. I. On approximating shortest paths in weighted triangular tessellations. *Artif. Intell.*, 318:103898, 2023.

[22] Aichholzer, O., Borrazzo, M., Bose, P., Cardinal, J., Frati, F., Morin, P., and Vogtenhuber, B. Drawing graphs as spanners. *Discret. Comput. Geom.*, 68(3):774–795, 2022.

[21] Akitaya, H. A., Biniaz, A., and Bose, P. On the spanning and routing ratios of the directed Θ_6-graph. *Comput. Geom.*, 105-106:101881, 2022.

[20] Biniaz, A., Bose, P., Lubiw, A., and Maheshwari, A. Bounded-angle minimum spanning trees. *Algorithmica*, 84(1):150–175, 2022.

[19] Bose, P., Cano, P., Fagerberg, R., Iacono, J., Jacob, R., and Langerman, S. Fragile complexity of adaptive algorithms. *Theor. Comput. Sci.*, 919:92–102, 2022.

[18] Bose, P., Carmi, P., Keil, J. M., Maheshwari, A., Mehrabi, S., Mondal, D., and Smid, M. Computing maximum independent set on outerstring graphs and their relatives. *Comput. Geom.*, 103:101852, 2022.

[17] Bose, P., D'Angelo, A., and Durocher, S. On the restricted k-Steiner tree problem. *J. Comb. Optim.*, 44(4):2893–2918, 2022.

[16] Bose, P., Dujmovic, V., Javarsineh, M., Morin, P., and Wood, D. R. Separating layered treewidth and row treewidth. *Discret. Math. Theor. Comput. Sci.*, 24(1), 2022.

[15] Bose, P., Mehrabi, S., and Mondal, D. Parameterized complexity of two-interval pattern problem. *Theor. Comput. Sci.*, 902:21–28, 2022.

[14] Bose, P., Cano, P., and Silveira, R. I. Affine invariant triangulations. *Comput. Aided Geom. Des.*, 91:102039, 2021.

[13] Bose, P., Carmi, P., and Shermer, T. C. Piercing pairwise intersecting geodesic disks. *Comput. Geom.*, 98:101774, 2021.

[12] Bose, P., Korman, M., van Renssen, A., and Verdonschot, S. Constrained routing between non-visible vertices. *Theor. Comput. Sci.*, 861:144–154, 2021.

[11] Bose, P., and Shermer, T. C. Attraction-convexity and normal visibility. *Comput. Geom.*, 96:101748, 2021.

[10] De Carufel, J., Bose, P., Paradis, F., and Dujmovic, V. Local routing in WSPD-based spanners. *J. Comput. Geom.*, 12(1):1–34, 2021.

[9] Bahoo, Y., Bose, P., Durocher, S., and Shermer, T. C. Computing the k-visibility region of a point in a polygon. *Theory Comput. Syst.*, 64(7):1292–1306, 2020.

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