Prosenjit Bose

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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
08/10 – 08/16	Associate Dean Research and Grad Studies (Science)	Carleton
07/11 – 11/15	President of Scholarships & Fellowships	NSERC
07/11 – 11/15	Member of COGS	NSERC
01/10 – 07/10	Acting Associate Dean Research (Science)	Carleton
07/00 – 07/06	Associate Professor	School of Computer Science, Carleton
09/03 – 12/03	Visiting Professor	SITE Ottawa U, Ottawa
01/03 – 08/03	Visiting Professor	U. Catalunya, Barcelona, Spain
07/00 – 02/02	Director of Ott.-Carleton Inst. of Comp. Sci.	Ottawa & Carleton
07/99 – 07/00	Assoc. Dir. of Ott.-Carleton Inst. of Comp. Sci.	Ottawa & Carleton
07/99 – 02/02	Director Graduate Studies, School of Comp. Sci.	Carleton
07/97 – 07/00	Assistant Professor (tenured 07/99)	Carleton
12/95 – 07/97	Assistant Professor	U. du Québec à Trois-Rivières.
09/94 – 12/94	Teaching Assistant	McGill University
09/92 – 12/94	Technical Report Librarian	McGill University
01/93 – 04/93	Lecturer	McGill University
01/92 – 04/92	Lecturer	U. du Québec à Trois-Rivières
05/90 – 12/91	Research and Teaching Assistant	University of Waterloo

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
2014 – 2018	NSERC Discovery grant	P. Bose	$230 000
2009 – 2013	NSERC Discovery grant	P. Bose	$200 000
2008	Belgium Visiting Researcher Award	P. Bose	$15 000
2008	Carleton Teaching Achievement Award	P. Bose	$15 000
2006 – 2011	Premier's Research Excellence Award (PREA)	P. Bose	$150 000
2006	Carleton Research Achievement Award	P. Bose	$15 000

Years	Grant	Investigator(s)	Amount
2004 – 2008	NSERC Operating grant	P. Bose	$150 000
2003	Catalunya Visiting Researcher Award	P. Bose	$15 000
2001	Carleton Research Achievement Award	P. Bose	$10 000
2000 – 2003	NSERC Operating grant	P. Bose	$108 000
1999	NSERC Operating grant	P. Bose	$26 565
1998	NSERC Operating grant	P. Bose	$25 300
1998 – 2002	NCE GEOIDE	J. Sack	$400 000
1998 – 1999	NCE GEOIDE	C. Gold, J. Snoeyink	$120 000
1998 – 2002	NCE MITACS	B. Bhattacharya	$400 000
1998	Carleton Start-up grant	P. Bose	$10 000
1997	Carleton Start-up grant	P. Bose	$10 000
1996 – 1997	NSERC Operating grant	P. Bose	$23 000/yr
1996	FCAR Operating grant	P. Bose	$13 000
1996	FCAR Equipment grant	P. Bose	$13 900
1995	UQTR Start-up grant	P. Bose	$10 000

Achievement Awards

2021	Carleton University Research Achievement Award
2020	Research Achievement Award - Carleton Faculty of Science
2018	Best Paper Award - International Symposium on Graph Drawing
2014	Carleton University Graduate Mentorship Award
2009	Nominated for TVO Ontario Best Lecturer Award
2008	Carleton University Teaching Achievement Award
2006	Premier’s Research Excellence Award - Early Researcher
2006	Carleton University Research Achievement Award
2001	Carleton University Research Achievement Award
2001	Best Paper Award - SIROCCO 2001
1995	D.W. Ambridge Award for McGill’s Outstanding PhD Graduate in Science & Eng
01/95 – 12/95	Killam Postdoctoral Fellowship
01/95 – 12/95	NSERC Postdoctoral Fellowship
1995	FCAR Postdoctoral Fellowship (declined)
05/94 – 12/94	FCAR Postgraduate Scholarship
05/91 – 04/94	NSERC Postgraduate Scholarship (PGS2, PGS3)
09/90 – 12/91	ICR (Inst. for Comp. Research, Waterloo) Scholarship
1992 – 1994	Dean’s List, McGill University
1989 – 1991	Dean’s List, University of Waterloo

Teaching

Course	Title	Institution	Terms
308-557B	Computer Graphics	McGill	W93
ROP-1010	Algorithms (in French)	UQTR	F96
SIF-1015	Operating Systems (in French)	UQTR	W92, W97, F96
SIF-1016	Data Structures (in French)	UQTR	S96, S97
SIF-1048	Computational Geometry (in French)	UQTR	W97
95.102	Intro. Systems Prog.	Carleton	W98
95.185	Discrete Math	Carleton	F02
95.202	Data Structures	Carleton	W99
95.300	Operating Systems	Carleton	F97, F00, W99
95.384	Algorithms	Carleton	W98–00, F99
95.508	Computational Geometry	Carleton	F00–02, W00
95.591	Optimization Problems	Carleton	F98
95.591	Partitioning Problems	Carleton	W99
95.591	Kinetic Data Structures	Carleton	F01
95.591	Computer Vision: Inpainting	Carleton	S02
95.691	Dynamic Data Structures	Carleton	F99
95.691	Facility Location	Carleton	W00
COMP1805	Discrete Math	Carleton	F04–09, W13, W16
COMP1805	Discrete Math Tutorials	Carleton	F04–08
COMP2402	Data Structures	Carleton	W04
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
COMP5008	Computational Geometry	Carleton	F04–09, F19
COMP5409	Applied Computational Geometry	Carleton	W11
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
01/13 – 07/16	Carleton Research and Computing Committee
01/10 – 07/16	Graduate Faculty Board
01/10 – 07/16	Carleton Research Advisory Committee
08/06 – 07/16	NSERC Evaluation Committee (Carleton)
07/12 – 07/15	Career Services Advisory Committee
05/13 – 03/15	Project Leader - COOP Benchmarking
10/13 – 03/14	Carleton Negotiation/Bargaining Team
01/13 – 12/13	Carleton Research Space and Facilities Task Force
02/10 – 07/13	Post-Doctoral Fellow Committee
09/11 – 09/12	SCS Executive Committee
11/11 – 07/12	Hiring Committee
11/11 – 12/11	TAA Evaluation Committee
08/10 – 08/11	OCICS Board Member
08/05 – 08/10	NSERC/OGS Comp. Sci. Evaluation Committee
07/07 – 08/10	Undergraduate Recruitment Committee
07/07 – 07/10	Graduate Studies Committee
07/07 – 07/11	Senate Tenure Appeal Committee
04/09 – 01/11	Curriculum Reinvention Committee
11/08 – 12/09	Hiring Committee
08/05 – 08/09	NSERC Evaluation Committee (SCS)
08/05 – 08/09	OGS Evaluation Committee (SCS)
11/09 – 12/09	Associate VP Selection Committee
07/07 – 08/08	School Web Site Design Committee
05/05 – 07/07	Graduate Affairs Committee
01/04 – 07/07	OCICS Committee Member
01/04 – 07/07	Graduate Admissions Committee
01/04 – 07/07	ISS Committee Member
01/98 – 12/02	Hiring Committee Member
07/00 – 12/02	Executive Committee Member
07/00 – 12/02	ISS Committee Member
07/00 – 02/02	Director of OCICS
07/99 – 07/00	Associate Director of OCICS
07/99 – 02/02	Graduate Director
07/99 – 12/02	Graduate Admissions Committee
07/99 – 12/02	OCICS Committee Member
09/98 – 01/02	Coop Committee Member

09/97 – 08/99	Honours Project Coordinator
1997 – 1999	Co-organizer of CATS

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
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

Years	Name	Degree / Role	Research Topic
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
2019	Christopher Blackman	UG research	Rendez-vous problems
2014 – 2019	Yeganeh Bahoo	PhD (U. Manitoba)	Computational Geometry
2015 – 2019	Darryl Hill	PhD	Computational Geometry
Winter 2018	Qi Dong	UG research	Computational Geometry
2017 – 2018	Martin Derka	NSERC Postdoc	Computational Geometry
Summer 2017	Esra Saleh	NSERC USRA	Computational Geometry
Summer 2017	Nicholas Lalonde	DSRI	Computational Geometry
2015 – 2018	Sander Verdonschot	PostDoc	Computational Geometry
2015 – 2017	Frédérik Paradis	Masters	Computational Geometry
2018 – 2019	Bahaa Khaddaj	Masters	Computational Geometry
2012 – 2017	Alina Shaikhet	PhD	Computational Geometry
2016 – 2017	Hugo Tremblay	Postdoc	Graph Theory
2016 – 2017	Ahmad Biniaz	Postdoc	Computational Geometry
2014 – 2016	Anthony D'Angelo	Masters	Algorithms
Summer 2016	Qi Dong	UG research	Computational Geometry
Summer 2016	Xiyi Liu	DSRI UG research	Computational Geometry
Summer 2016	Justin Kim	DSRI UG research	Computational Geometry
2012 – 2016	Luis Felipe Barba	PhD	Computational Geometry
2015	Mahdi Amani	PhD (exchange)	Algorithms
2013 – 2015	Tommy Reddad	Masters	Algorithms
2014 – 2015	Lucas Rioux Maldague	Masters	Computational Geometry
2010 – 2015	Sander Verdonschot	PhD	Flips and Spanners
2013 – 2015	Darryl Hill	Masters	Computational Geometry

Years	Name	Degree / Role	Research Topic
2014 – 2015	Chris Hoedemakers	Masters (exchange)	Computational Geometry
2014 – 2015	Micha Krauter	Masters (exchange)	Computer Vision
2009 – 2015	Jean-Lou De Carufel	PostDoc	Computational Geometry
2010 – 2014	André van Renssen	PhD	Algorithms and Data Structures
2012 – 2014	Vafa Khoshaein	Masters	Computer Vision
Summer 2014	Maxime Peabody	NSERC USRA	Networks
Summer 2014	Anthony D'Angelo	NSERC USRA	Networks
2013 – 2014	Maxime Peabody	UG Research Asst.	Computational Geometry
2011 – 2013	Pokong Lai	Masters	Image Processing
2007 – 2013	Dan Chen	PhD	Computational Geometry
2011 – 2012	Nima Hoda	UG Research Asst.	Computational Geometry
2008 – 2012	John Howat	PhD	Distribution Sensitive Data Structures
2008 – 2011	Vida Dujmovic	PostDoc	Graph Drawing
2010 – 2011	Christian Wulff-Nilsen	PostDoc	Computational Geometry
2010 – 2011	Dana Jansens	PhD	Algorithms and Data Structures
2009 – 2011	Dania El-Khechen	PostDoc	Computational Geometry
2009 – 2010	Ken Chan	Masters	Computational Geometry
2008 – 2010	Karim Douïeb	PostDoc	Computational Geometry
2007 – 2009	Mohammad Farshi	PostDoc	Computational Geometry
2007 – 2009	Gail Banaszkiewicz	Masters	Computer Vision
2005 – 2009	Greg Aloupis	Part-time PostDoc	Computational Geometry
Summer 2009	Drew Martin	NSERC USRA	Computational Geometry
Summer 2009	Greg Bint	Dean's SRA	Computational Geometry
Summer 2009	Vafa Khoshaein	NSERC USRA	Image Processing
2006 – 2009	Stefanie Wuhrer	PhD	Computer Vision
2006 – 2009	Paz Carmi	PostDoc	Computational Geometry
2007 – 2008	Meng He	PostDoc	Computational Geometry
2007 – 2008	John Howat	Masters	Computational Geometry
Summer 2008	Pokong Lai	NSERC USRA	Computational Geometry
Summer 2008	Vafa Khoshaein	NSERC USRA	Image Processing
2005 – 2008	Mathieu Couture	PhD	Wireless Networks
2002 – 2008	Yihui Tang	PhD	Data Structures for Data Streams
Summer 2007	John Howat	Summer Research	Computational Geometry
Summer 2007	Irwin Zaid	Summer Research	Computational Geometry
Summer 2007	Christian Muise	Summer Research	Computational Geometry
2004 – 2006	Vida Dujmovic	PostDoc	Graph Drawing
2005 – 2006	Stefanie Wuhrer	Masters	Clamshell Casting
2004 – 2006	Evan Hahn	Masters	Persistent Building Interior Generation
2000 – 2006	David Hallam	Masters (Part-time)	Image Processing
2005, 2006	Christian Leger	NSERC Summer	Data Structures
2003 – 2005	Derek Bradley	Masters	Computer Vision

Years	Name	Degree / Role	Research Topic
2001 – 2004	David Wood	PostDoc	Graph Drawing
2001 – 2004	Anthony Whitehead	PhD	Image Processing
2001 – 2004	Aaron Lee	Masters	Constrained Spanners
2000 – 2002	Veronique Audet	Masters	Image Processing for Cancer Detection
2000 – 2002	Chris McDonald	Masters	Augmented Reality
2000 – 2001	Shahzad Malik	Masters	Real-time Augmented Reality
2000 – 2001	Qingda Wang	Masters	Obnoxious Facility Location
1998 – 2001	Jillian Hockey	Masters	Experimental Results on the Weber Center
1998 – 2000	Dominic Lessard	Masters	Optimally Tiling a Room
1998 – 2000	Jean Denis Caron	Masters	Text-Line Orientation
1997 – 2002	Jason Morrison	PhD	Geometric Optimization Problems
1997 – 2001	Patrick Morin	PhD	Online Routing in Graphs
1997 – 1998	Said Benameur	Masters	A study of graph spanners

Student awards: Senate Medal — Patrick Morin (PhD), Mathieu Couture (PhD), Stefanie Wuhrer (PhD), Derek Bradley (Masters), Qingda Wang (Masters); University Medal — Shahzad Malik (Masters); OCRI Best Graduate Student — Anthony Whitehead (PhD).

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
2020	Bence Meszaros	Delaunay Triangulations Simplified
2020	Richard St. John	The Geometry of Binary Search Trees
2019	Christopher Blackman	Rendez-vous problems
2019	Noah Steinberg	Hashing
2019	Zachary Fry	Client-Server problems
2019	Jeremy Melone	Smallest enclosing disk containing k points
2014	Tian Siyang	Data Structures
2014	Anthony D'Angelo	Computer Vision

Year	Name	Fourth-year B.C.S. Project
2013	Jean Philippe Landry	Text Compression
2012	Drew Martin	Collision Detection
2012	Chaman Chahal	Scheduling System
2011	Stefan Valiau	Searching in Compressed Text
2011	Po Kong Lai	Approximation algorithms for curves and terrains
2010	Michael Cayer	Comparison of Compression Techniques
2007	Gail Banaszkiewicz	Computer Vision
2007	Mark Wong	Computer Vision
2005	Christian Leger	Image Segmentation
2004	Mark Wong	Computer Generated Models
2004	Rossen Atanassov	Experiments with Triangular Meshes
2004	Peter Tang	An intelligent advertisement aid
2002	Cara Lin	Experiments with Data Structures
2002	Steven Koupenov	Planar Graph Embeddings
2001	Jon Harris	Feature Extraction in Maps
2001	Irina Guilman	Computing the thinnest Annulus
2001	Jason Walton	NP-Hardness and approximation algorithms
2001	Wojciech Kozlowski	KD-trees and range searching
2000	Ralf Dagher	Medial Axis Computation
2000	David Hallam	3D Delaunay Spanners
2000	Guillermo Tempo	Skip Lists
1999	Tara Graves	Vehicle Routing
1998	Ian Bainaker	Triangulation Spanners
1997	Patrick Hamel	Decomposing the surface of a Polyhedron into Terrains

Directed Studies Course

Term	Name	Topic
W21	Mike Bremner	Computational Geometry
F16	Kyle Thompson	Advanced Data Structures
F16	Dabeluchi Ndubisi	Advanced Data Structures
W09	Ben Seamone	Geometric Spanners
W07	Gail Banaszkiewicz	Computer Vision
W07	David Shultz	Computer Vision
S05	Rossen Atanassov	Computer Vision
S05	Christian Leger	Computer Vision
S02	Veronique Audet	Image Processing (Inpainting)
F01	Dominic Laberge	Kinetic Data Structure
W00	Norbert Zeh	Dynamic Data Structures
F99	Patrick Morin	Dynamic Data Structures
F99	Jason Morrison	Dynamic Data Structures

Term	Name	Topic
W99	Dominic Lessard	Optimization Problems
F98	Dominic Lessard	Partitioning Problems

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?
Oct 2019	College Notre-Dame, Path planning in networks
Jan 2019	College Notre-Dame, How does your GPS work?
Jun 2018	Invited Speaker, Association Mathématique du Québec, GPS routing and colouring points
Apr 2018	Research Seminar, Waterloo, Online Competitive Routing on Delaunay Graphs and its Variants
Mar 2018	Keynote, EuroCG, Online Competitive Routing on Delaunay Graphs and its Variants
Mar 2018	First Choice Science Seminar, Dawson College, Properties of Geometric Graphs
Nov 2017	Invited Speaker, Shonan Research Seminar, On Plane Geometric Spanners
Oct 2017	Distinguished Research Seminar, Queen's University, How to find your way without a map
Oct 2017	Research Seminar, NYU, Online routing in geometric graphs
Oct 2017	Research Seminar, NYU, On spanning properties of Delaunay graphs
Jun 2017	Invited Speaker, Association Mathématique du Québec, Online Routing
May 2017	College Notre-Dame, Coloring points
Apr 2017	U of Rome, 4 talks on Spanners and Routing
Jun 2016	Invited Speaker, STOC/SoCG Workshop on spanners, On Geometric Spanners
Sep 2015	Invited Speaker, JCDCG 2015, Ferran Hurtado: True Renaissance Man
Aug 2015	Invited Speaker, CCCG 2015, Flips
Nov 2014	Laval Univ., Flips
Jan 2014	U of Bordeaux (LaBRI), Flips
Nov 2013	Dalhousie Univ., Competitive routing on half-θ_6
Sep 2013	Laval Univ., On Geometric Spanners
Sep 2013	Univ. of Manitoba, Routing on a Variant of the Delaunay Triangulation
Feb 2013	Sharif University, Various properties of Plane Spanners
Feb 2013	Amirkabir University, Winter School on Computational Geometry
Jan 2013	Univ. du Québec en Outaouais, Routing on a variant of the Delaunay Triangulation
Nov 2012	U of Bordeaux (LaBRI), Routing on a variant of the Delaunay Triangulation
Sep 2012	Invited Speaker, Graph Drawing 2012 (Microsoft), Flips
Sep 2012	Carleton EDC, How an allergy led to the development of an interesting teaching tool
Jun 2012	Invited Speaker, ISVD 2012 (Rutgers), On spanning properties of various Delaunay graphs
Apr 2012	Georgia Tech University, Competitive Routing on Plane Graphs
Nov 2011	Tufts University, Competitive Routing on Plane Graphs
Nov 2011	Tufts University, Flips in Planar Graphs
Oct 2011	Univ. Poly. de Catalunya, Competitive Routing on Plane Graphs
Jun 2011	Invited Speaker, ECG 2011 (Madrid), On plane geometric spanners
Nov 2010	U of Bordeaux (LaBRI), On Bounded Degree Plane Spanners
Nov 2010	U of Bordeaux (LaBRI), Plane Spanners - A Survey
Sep 2010	Carleton EDC, How an allergy led to the development of an interesting teaching tool
Sep 2010	Carleton, How to write a successful application
Feb 2010	Carleton, How to write a research proposal
Dec 2009	Carleton EDC, How an allergy led to the development of an interesting teaching tool

Nov 2009	Dagstuhl, On plane geometric spanners
Jul 2009	Keynote, Canadian Undergraduate Math Conf., Carleton, Geometric Spanners
May 2009	U. Libre Brussels, Flips
Mar 2009	U of Kaiserslautern, Flips in triangulations
Mar 2009	Invited Speaker, EUROCG 2009, On plane geometric spanners
Oct 2008	U. of Waterloo, Path planning without a map
Jul 2008	U. Southern Denmark, On Flips in Triangulations
May 2008	Invited Speaker, Ontario Combinatorics Workshop, A review of geometric spanners
Mar 2008	Queen's University, How to get where you want to go without a map?
Feb 2008	Dagstuhl, On Geometric Spanners of Bounded Degree
May 2007	Algorithms Seminar, Université Libre de Bruxelles, Geometric Spanners
Mar 2007	Algorithms Seminar, McGill University, On Geometric Spanners
Oct 2006	Math Society Seminar, Carleton University, Online Routing in Graphs
Feb 2006	INFONET Seminar, Carleton University, Routing in Geometric Graphs
Jun 2005	Plenary Address at Encuentros de Comp. Geom., Flips in Triangulations
Jun 2005	Univ. Poly. de Catalunya, Bottleneck Shortest Paths
May 2005	JAIST, Open Problems in Facility Location
Nov 2004	SITE Optical Network Research Centre, Online Routing in Geometric Graphs
Jul 2004	Dagstuhl, Bottleneck Shortest Path Queries
Apr 2004	M.I.T, Online Routing in Plane Graphs
Mar 2004	Dagstuhl, Succinct Data Structures for Approximating Convex Functions
Jan 2004	Simon Fraser University, Simultaneous Flips in Triangulations
Oct 2003	Dagstuhl, Flips in Triangulations
Oct 2003	Univ. of Eindhoven, Parallel Flips in Triangulations
Oct 2003	Université Libre de Bruxelles, Parallel Flips in Triangulations
Jun 2003	AMS-RSME special session on CG, Parallel Flips in Triangulations
Jun 2003	Univ. Poly. de Catalunya, Online routing in geometric graphs
May 2003	Univ. Poly. de Catalunya, Planar Geometric Spanners of Bounded Degree and Low Weight
Mar 2003	Univ. Poly. de Catalunya, Data Structures for Facility Location
Nov 2002	Simon Fraser Univ., Online routing in planar graphs
Oct 2002	NRC, IT Division, On Embedding Planar Graphs
Jun 2002	MITACS/PIMS (SFU), Facility Location with Constraints
Mar 2002	Dagstuhl, On Max-Clique Trees with Applications
Jan 2002	Carleton/Ottawa Combinatorics, Guarding Polyhedral Terrains
Oct 2001	Université du Québec à Hull, Online Routing in Geometric Graphs
Sep 2001	Queen's University, Routing in Geometric Graphs
Apr 2001	Utrecht University, Online Routing in Graphs
Dec 2000	University of Sydney, Path Planning in Triangulations

Invited Lectures (1993–2000)

Carleton University (2), McGill University (3), Université du Québec à Hull, Université du Québec à Montréal (2), Middlebury College, University of Arizona (2), Université du Québec à Trois-Rivières (4), Universidad Politécnica de Madrid (3), Universitat Politècnica de Catalunya (2), Simon Fraser University, Université de Montréal, Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional, University of Ottawa.

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
2019	Committee Member	Early Researcher Award (Ont Govt)
2019	Program Committee	Graph Drawing 2019
2019	Program Committee	SoCG 2019

2019	Program Committee	CCCG 2019
2019	Organizing Committee	CCCG 2019
2019	Co-organizer	Workshop on Computational Geometry, Bellairs McGill
2019	Program Committee	Encuentros de Geometría Computacional (EGC), Spain
2019	Program Committee	WALCOM 2019, India
2019	Committee Member	NSERC Chair for Women in Science Renewal Committee
2018	Committee Member	Early Researcher Award (Ont Govt)
2018	Co-organizer	Workshop on Computational Geometry, Bellairs McGill
2017	Program Committee	Encuentros de Geometría Computacional (EGC)
2017	Program Committee	EuroCG 2017
2017	Organizing Committee	Canadian Conference on Computational Geometry
2017	Co-organizer	Workshop on Computational Geometry, Fields Institute, Ottawa
2017	Co-organizer	Workshop on Computational Geometry, Bellairs McGill
2016	Committee Chair	Early Researcher Award (Ont Govt)
2016	Co-organizer	Workshop on Computational Geometry, Bellairs McGill
2016	Organizing Committee	Canadian Conference on Computational Geometry
2016 – 2019	Steering Committee Chair	Canadian Conference on Computational Geometry
2016	Program Committee	Canadian Conference on Computational Geometry
2016	Program Committee	Encuentros de Geometría Computacional (EGC)
2016	Guest Editor	TCS Special Issue for ALGOSENSORS 2015
2015	Committee Chair	Early Researcher Award (Ont Govt)
2015	Guest Editor	CGTA Special Issue in Memoriam Ferran Hurtado
2015	Program Track Chair	Wireless/Geometry ALGOSENSORS 2015
2015	Program Committee	Encuentros de Geometría Computacional (EGC)
2015	Co-organizer	Workshop on Computational Geometry, BIRS
2015	Co-organizer	Workshop on Computational Geometry, Bellairs McGill
2014	Program Committee	Graph Drawing
2014	Committee Member	Early Researcher Award, Ontario Govt
2014	Program Committee	EuroCG
2014 –	Associate Editor	Journal of Computer and System Sciences (JCSS)
2014	Program Committee	Encuentros de Geometría Computacional (EGC)
2014	Program Committee	Conf. on Wireless and Mobile (APWiMob), Bali
2014	Program Committee	Canadian Conf. on Comp. Geom (CCCG), Halifax
2014	Co-organizer	Workshop on Computational Geometry, Bellairs McGill
2013	Program Committee	Algosensor 2013
2013	Program Committee	Encuentros de Geometría Computacional (EGC)
2013	Co-organizer	Workshop on Computational Geometry, Bellairs McGill
2012	Editorial Board	Journal of Graph Algorithms and Applications (JGAA)
2012	Editorial Board	ISRN Discrete Mathematics Journal
2012	Program Committee	Encuentros de Geometría Computacional (EGC)
2012	Committee Member	FQRNT Evaluation Committee
2012	Committee Member	Comp Geom: Applications, Practice and Theory (CG:APT)
2012 – 2015	President	NSERC Committee on Scholarships and Fellowships

2012 – 2015	Committee Member	NSERC Committee on Grants and Scholarships (COGS)
2012	Program Committee	Analysis of Algorithms (A of A), Montreal
2011	Program Committee	Algorithms and Data Structures Symposium (WADS), NY
2011 – 2013	Associate Editor	The Visual Computer, Springer Verlag
2011	Program Committee	ACM Symp. on Comp. Geom (SoCG), Paris
2011	Program Committee	Int. Conf. Dist. Comp. for Sensor Networks (DCOSS)
2011	Program Committee	Canadian Conf. on Comp. Geom (CCCG), PEI
2010	Board Member	Center for Graduate Education, JAIST
2010	Committee Member	NRAS Research Team Evaluation Committee in BC
2010	Committee Member	Mitacs Elevate
2010	Committee Member	FQRNT Evaluation Committee
2010	Program Committee	ALGOSENSORS
2010	Program Committee	Canadian Conf. on Comp. Geom (CCCG), Winnipeg
2009	Program Committee	Int. Conf. Dist. Comp. for Sensor Networks (DCOSS)
2009	Program Committee	Canadian Conf. on Comp. Geom (CCCG), Vancouver
2008	Program Committee	Canadian Conf. on Comp. Geom (CCCG), Montréal
2008	Committee Member	FQRNT Evaluation Committee
2007	Program and Conf. Chair	Canadian Conf. on Comp. Geom (CCCG)
2007	Program Committee	AdHocNow, Mexico
2007	Committee Member	FQRNT Evaluation Committee
2007	Program Committee	Int. Symp on Algorithms and Computation
2007	Program Committee	IEEE Wireless Comm. and Networking
2006	Program Committee	AdHocNow, Canada
2006	Program Committee	CATS, Australia
2006	Committee Member	FQRNT Evaluation Committee
2006	Editor	Computational Geometry: Theory and Appl., Special Issue
2005	Co-organizer	Workshop on Computational Geometry, Gatineau
2005	Program Committee	AdHocNow, Mexico
2005	Editor	Algorithmica Special Issue with P. Morin
2005	Editor	Theory of Computing Systems, Special Issue
2005	Committee Member	FQRNT Evaluation Committee
2005	Editor	Computational Geometry: Theory and Appl., Special Issue
2005	Program Committee	Canadian Conference on Comp. Geom
2005	Organizing Committee	Canadian Conference on Comp. Geom
2004	Organizing Committee	Canadian Conference on Comp. Geom
2004	Program Committee	28th Australasian Computer Science Conference
2004	Committee Member	FQRNT Centre of Excellence Evaluation Committee
2003	Committee Member	FQRNT Centre of Excellence Evaluation Committee
2003	Organizing Committee	Canadian Conference on Comp. Geom, Halifax
2003	Program Committee	International Symp. on Algorithms and Computation
2003	Program Committee	ACM Symp. on Comp. Geom
2003	Program Committee	27th Australasian Computer Science Conference
2003	Co-organizer	Workshop on Geometric Data Structures, Eindhoven

2002	Program and Conf. Chair	Int. Symp. on Alg. and Computation
2002	Editor	Proceedings for ISAAC, with P. Morin
2002	Co-organizer	Workshop on Facility Location, Vancouver
2002	Co-organizer	Workshop on Geometric Networks, Utrecht
2001	Program Committee	Int. Symp. on Algorithms and Computation
2000	Co-organizer	Workshop on Applied Geometric Computing, McGill
2000	Program Committee	Canadian Conf on Comp Geom
1999	Program Committee	Canadian Conf on Comp Geom
1999	Co-organizer	Workshop on Applied Geometric Computing, McGill
1998	Organizing Committee	Graph Drawing 98, McGill
1997	Program Committee	Canadian Conf on Comp Geom
1997	Co-organizer	Workshop on Geometric Computing
1996	Organizer	ACFAS special session on Comp Geom, McGill
1995	Organizing Committee	ACM Symp. on Computational Geometry, UBC

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)
2019	Po Lai	Examiner on PhD (University of Ottawa)
2016	Andres Montero	Examiner on PhD (University of Ottawa)
2013	Nicolas Bonichon	External Examiner on Habilitation (Bordeaux University)
2012	Quentin Godfroy	External Examiner on PhD (Bordeaux University)
2012	Ben Seamone	Internal/External Examiner on PhD (Carleton)
2012	Raheleh Niati	Internal/External Examiner on PhD (Carleton)
2011	Richard Monette	Internal/External Examiner on Masters (Carleton)
2010	Kamrul Islam	External Examiner on PhD (Queen's)
2009	Ilya Volnyansky	External Examiner on Masters (U of O)
2008	Karim Douïeb	External Examiner on PhD (ULB Belgium)
2008	Yago Diez	External Examiner on PhD (UPC Catalunya Spain)
2008	Hamid Zarrabi-Zadeh	External Examiner on PhD (Waterloo)
2008	Sylvain Beriault	External Examiner on Masters (U of O)
2008	Damian Merrick	External Examiner on PhD (U of Sydney)

2007	Ervin Ruci	Internal-External on Masters (Carleton)
2007	Pengcheng Xi	External Examiner on Masters (U of O)
2004	Étienne Vincent	PhD Committee Member and Examiner (U of O)
2004	Harish Gopala	Internal-External on Masters (Carleton)
2004	Hassan Hajjdiab	PhD Committee Member and Examiner (U of O)
2004	Andrew Miles	Internal Examiner on Masters (Carleton)
2004	Shuye Pu	Examining committee chair on Masters (Carleton)
2003	Moaning Wang	Internal Examiner on Masters (Carleton)
2002	Felipe Contreras	External Examiner on PhD (U of O)
2002	Benny Pinontoan	Internal-External Examiner on PhD (Carleton)
2001	Hee-Kap Ahn	External Examiner on PhD (Utrecht Netherlands)
2001	Danielle Vella	External Examiner on Masters (U of O)
2001	Mohamed Shentenawy	Internal Examiner on Masters (Carleton)
2000	Jay Adamsson	Internal-External Examiner on PhD (Carleton)
2000	Vivian Lee	Internal Examiner on Masters (Carleton)
2000	Xu Lin	External Examiner on Masters (U of O)
1999	Nicolas Fraiji	External Examiner on Masters (U of O)
1999	Jianwen Wang	Internal Examiner on Masters (U of O)
1998	Harvinder Singh	External Examiner on Masters (U of O)
1998	Richard Webber	External Examiner on PhD (U of Sydney)
1998	Toni Sellares	External Examiner on PhD (UPC)

Publications

Journal Papers

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

[222] 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.

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

[220] 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.

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

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

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

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

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

[214] 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.

[213] 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.

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

[211] 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.

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

[209] 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.

[208] 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.

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

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

[205] 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.

[204] 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.

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