

Prosenjit Bose

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Work Experience: Academic:

Period	Position	Place
08/10 – Present	Associate Dean Research (Science)	Carleton University
07/06 – Present	Full Professor	Carleton University
06/10 – Present	Collaborateur Scientifique	Univ. Libre Bruxelles
01/10 – 07/10	Acting Associate Dean Research (Science)	Carleton University
07/00 – 07/06	Associate Professor	Carleton University
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 University
07/99 – 07/00	Assoc. Dir. of Ott.-Carleton Inst. of Comp. Sci.	Ottawa & Carleton University
07/99 – 02/02	Director Graduate Studies, School of Comp. Sci.	Carleton University
07/97 – 07/00	Assistant Professor (tenured 07/99)	Carleton University
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 Postdoctorate 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.

	Period	Position	Place
<u>Work Experience: Industrial:</u>	05/89 – 09/89	Member of Scientific Staff	Nortel, Montreal
	01/88 – 12/88	Programmer/Analyst	Geovision Corp., Ottawa
	05/87 – 09/87	Programmer/Analyst	Accugraph Corp., Ottawa

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 [65,81,106,263, 264, 297], manufacturing [296,98,103,104 88], facility location [181, 182, 78, 178]
Online and distributed computing	The design, analysis and empirical study of routing protocols and distributed algorithms [89,180, 65, 79]

Grants:

Source	Amount	Duration	Principal Investigator	Type
NSERC	\$40 000/yr	2009-14	P. Bose	Discovery
Belgium	\$15 000	2008	P. Bose	Visiting Researcher Award
Carleton	\$15 000	2008	P. Bose	Teaching Achievement Award
PREA - Early Researcher	\$150 000	2006-11	P. Bose	Research Excellence Award
Carleton	\$15 000	2006	P. Bose	Research Achievement Award
NSERC	\$30 000/yr	2004-08	P. Bose	Operating
Catalunya	\$15 000	2003	P. Bose	Visiting Researcher Award
Carleton	\$10 000	2001	P. Bose	Research Achievement Award
NSERC	\$27 000/yr	2000-03	P. Bose	Operating
NSERC	\$26 565	1999	P. Bose	Operating
NSERC	\$25 300	1998	P. Bose	Operating
NCE GEOIDE	\$100 000/yr	1998-02	J. Sack	NCE
NCE GEOIDE	\$60 000/yr	1998-99	C. Gold and J. Snoeyink	NCE
NCE MITACS	\$100 000/yr	1998-02	B. Bhattacharya	NCE
Carleton	\$10 000	1998	P. Bose	Start-up
Carleton	\$10 000	1997	P. Bose	Start-up
NSERC	\$23 000/yr	1996-97	P. Bose	Operating
FCAR	\$13 000	1996	P. Bose	Operating
FCAR	\$13 900	1996	P. Bose	Equipment
UQTR	\$10 000	1995	P. Bose	Start-up

Achievement Awards:

Year	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

Year	Award
1995	D.W. Ambridge Award for McGill's Outstanding PhD Graduate in Science & Eng.
01/95 - 12/95	Killam Postdoctorate Fellowship
01/95 - 12/95	NSERC Postdoctorate Fellowship
1995	FCAR Postdoctorate 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 Number	Course Title	Institute	Semester
308-557B	Computer Graphics	McGill	W93
SIF-1015	Operating Systems (in French)	UQTR	W97, F96, W92
SIF-1016	Data Structures (in French)	UQTR	S97, S96
ROP-1010	Algorithms (in French)	UQTR	F96
SIF-1048	Computational Geometry (in French)	UQTR	W97
95.300	Operating Systems	Carleton	F00, W99, F97
95.102	Intro. Systems Prog.	Carleton	W98
95.185	Discrete Math	Carleton	F02
COMP1805	Discrete Math	Carleton	F04, F05, F06, F07, F08, F09
COMP1805	Discrete Math Tutorials	Carleton	F04, F05, F06, F07, F08
95.384	Algorithms	Carleton	F99, W99, W98, W00
95.202	Data Structures	Carleton	W99
COMP2402	Data Structures	Carleton	W04
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
COMP4804	Advanced Algorithms	Carleton	W11, W12
COMP5008	Computational Geometry	Carleton	F04, F05, F06, F07, F08, F09
COMP5409	Applied Computational Geometry	Carleton	W11
95.508	Computational Geometry	Carleton	F00, W00, F01, F02

Administrative Duties at Carleton:

Duty	Duration
Hiring Committee	11/11 -
SCS Executive Committee	09/11 -
Post-Doctoral Fellow Committee	02/10 -
Graduate Studies Committee	07/07 -
Senate Tenure Appeal Committee	07/07 -
NSERC Evaluation Committee (Carleton)	08/06 -
NSERC/OGS Comp. Sci. Evaluation Committee	08/05 -
TAA Evaluation Committee	11/11 - 12/11
OCICS Board Member	08/10 - 08/11
Undergraduate Recruitment Committee	07/07 - 08/10

Duty	Duration
Curriculum Reinvention Committee	04/09 - 01/11
Hiring Committee	11/08 - 12/09
NSERC Evaluation Committee (SCS)	08/05 - 08/09
OGS Evaluation Committee (SCS)	08/05 - 08/09
Associate VP Selection Committee	11/09 - 12/09
School Web Site Design Committee	07/07 - 08/08
Graduate Affairs Committee	05/05 - 07/07
OCICS Committee Member	01/04 - 07/07
Graduate Admissions Committee	01/04 - 07/07
ISS Committee Member	01/04 - 07/07
Hiring Committee Member	01/98 - 12/02
Executive Committee Member	07/00 - 12/02
ISS Committee Member	07/00 - 12/02
Director of OCICS	07/00 - 02/02
Associate Director of OCICS	07/99 - 07/00
Graduate Director	07/99 - 02/02
Graduate Admissions Committee	07/99 - 12/02
OCICS Committee Member	07/99 - 12/02
Coop Committee Member	09/98 - 01/02
Honors Project Coordinator	09/97 - 08/99
Co-organizer of CATS	1997-99

Graduate and Post-Graduate Student Supervision:

Name	Years	Degree	Thesis Topic
Luis Felipe Barba	12 -	PhD	Computational Geometry
Pokong Lai	11 -	Masters	To be determined
Vafa Khoshaein	11 -	Masters	To be determined
Chris Whiten	11 -	Masters	To be determined
Nima Hoda	11 -	UG Research Asst.	Computational Geometry
André van Renssen	10 -	PhD	Algorithms and Data Structures
Sander Verdonschot	10 -	PhD	Algorithms and Data Structures
Jean-Lou De Carufel	09 -	PostDoc	Computational Geometry
John Howat	08 -	PhD	Computational Geometry
Jacquelin Caron	08 -	PhD	Computational Geometry
Dan Chen	07 -	PhD	Computational Geometry
Vida Dujmovic	08 - 11	PostDoc	Graph Drawing
Christian Wulff-Nilson	10 - 11	PostDoc	Computational Geometry
Dana Jansens	10 - 11	PhD	Algorithms and Data Structures
Dania El-Khechen	09 - 11	PostDoc	Computational Geometry
Ken Chan	09 - 10	Masters	Computational Geometry
Karim Douieb	08 - 10	PostDoc	Computational Geometry
Mohammad Farshi	07 - 09	PostDoc	Computational Geometry
Gail Banaszkiwicz	07 - 09	Masters	Computer Vision
Greg Aloupis	05 - 09	Part-time PostDoc	Computational Geometry
Drew Martin	09 summer	NSERC USRA	Computational Geometry
Greg Bint	09 summer	Dean's SRA	Computational Geometry
Vafa Khoshaein	09 summer	NSERC USRA	Image Processing
Stefanie Wuhrer	06 - 09	PhD (Senate Medal)	Computer Vision
Paz Carmi	06 - 09	PostDoc	Computational Geometry
Meng He	07 - 08	PostDoc	Computational Geometry
John Howat	07 - 08	Masters	Computational Geometry

Name	Years	Degree	Thesis Topic
Pokong Lai	08 summer	NSERC USRA	Computational Geometry
Vafa Khoshaein	08 summer	NSERC USRA	Image Processing
Mathieu Couture	05 - 08	PhD (Senate Medal)	Wireless Networks
Yihui Tang	02 - 08	PhD	Data Structures for Data Streams
John Howat	07 summer	Summer Research	Computational Geometry
Irwin Zaid	07 summer	Summer Research	Computational Geometry
Christian Muise	07 summer	Summer Research	Computational Geometry
Vida Dujmovic	04 - 06	PostDoc	Graph Drawing
Stefanie Wuhrer	05 - 06	Masters	Clamshell Casting
Evan Hahn	04 - 06	Masters	Persistent Building Interior Generation
David Hallam	00 - 06	Masters (Part-time)	Image Processing
Christian Leger	05 and 06	NSERC Summer	Data Structures
Derek Bradley	03 - 05	Masters - Senate Medal	Computer Vision
David Wood	01 - 04	PostDoc	Graph Drawing
Anthony Whitehead	01 - 04	PhD - OCRI Best Grad Student	Image Processing
Aaron Lee	01 - 04	Masters	Constrained Spanners
Veronique Audet	00 - 02	Masters	Image Processing for Cancer Detection
Chris McDonald	00 - 02	Masters	Augmented Reality
Shahzad Malik	00 - 01	Masters - University Medal	Real-time Augmented Reality
Qingda Wang	00 - 01	Masters - Senate Medal	Obnoxious Facility Location
Jillian Hockey	98 - 01	Masters	Experimental Results on the Weber Center
Dominic Lessard	98 - 00	Masters	Optimally Tiling a Room
Jean Denis Caron	98 - 00	Masters	Textline Orientation
Patrick Morin	97 - 01	PhD - Senate Medal	Online Routing in Graphs
Jason Morrison	97 - 02	PhD	Geometric Optimization Problems
Said Benameur	97 - 98	Masters	A study of graph spanners

Directed Studies Course:

Name	Topic	Duration
Ben Seamone	Geometric Spanners	W09
Gail Banaszkiewicz	Computer Vision	W07
David Shultz	Computer Vision	W07
Rossen Atanasov	Computer Vision	S05
Christian Leger	Computer Vision	S05
Veronique Audet	Image Processing (Inpainting)	S02
Dominic Laberge	Kinetic Data Structure	F01
Norbert Zeh	Dynamic Data Structures	W00
Patrick Morin	Dynamic Data Structures	F99
Jason Morrison	Dynamic Data Structures	F99
Dominic Lessard	Optimization Problems	W99
Dominic Lessard	Partitioning Problems	F98

Undergraduate Honors Project Supervision:

Name	Year	4th year B.C.S. Project
Stefan Valiau	2011	Searching in Compressed Text
Po Kong Lai	2011	Approximation algorithms for curves and terrains
Michael Cayer	2010	Comparison of Compression Techniques
Gail Banaszkiewicz	2007	Computer Vision

Name	Year	4th year B.C.S. Project
Mark Wong	2007	Computer Vision
Christian Leger	2005	Image Segmentation
Mark Wong	2004	Computer Generated Models
Rossen Atanosov	2004	Experiments with Triangular Meshes
Peter Tang	2004	An intelligent advertisement aid
Cara Lin	2002	Experiments with Data Structures
Steven Koupenov	2002	Planar Graph Embeddings
Jon Harris	2001	Feature Extration in Maps
Irina Guilman	2001	Computing the thinnest Annulus
Jason Walton	2001	NP-Hardness and approximation algorithms
Wojciech Kozłowski	2001	KD-trees and range searching
Ralf Dagher	2000	Medial Axis Computation
David Hallam	2000	3D Delaunay Spanners
Guillermo Tempo	2000	Skip Lists
Tara Graves	1999	Vehicule Routing
Ian Bainaker	1998	Triangulation Spanners
Patrick Hamel	1997	Decomposing the surface of a Polyhedron into Terrains

Collaborators:

I have collaborated with the following 173 researchers from around the world (note that my students' and former students' names appear in boldface): *R. Atanassov, B. Aronov, M. Abellanas, P. Agarwal, H.-K. Ahn, **G. Aloupis**, B. Asberg, **V. Audet**, D. Avis, M. Barbeau, G. Barequet, G. Di Battista, S. Beauchemin, P. Belleville, S. Bereg, M. de Berg, T. Biedl, G. Blanco, **D. Bradley**, D. Bremner, A. Brodnik, J. Buss, **M. Couture**, **P. Carmi**, S. Collette, S. Cabello, S. Carlsson, **J-D. Caron**, A. Chan, O. Cheong, S. Cheng, A. Chalifour, N. Coll, J. Czyzowicz, A. Dean, F. Dehne, E. D. Demaine, L. Devroye, M. Dickerson, K. Dobrindt, A. Dumitrescu, **V. Dujmović**, W. Evans, H. Everett, S. Fekete, R. Fleischer, J. Gao, A. García, J. García, K. Ghoudi, F. Gomez, M. Goodrich, M. de Groot, J. Gudmundsson, L. Guibas, H. Guo, D. Halperin, N. Hanusse, M. Houle, F. Hurtado, **E. Hahn**, J. Hutchinson, J. Iacono, C. Kaklamanis, D. Kirkpatrick, M. Keil, L. Kirousis, E. Kranakis, M. van Kreveld, D. Krizanc, **A. Lee**, R. Laganière, S. Langerman, M. Latzel, W. Lenhart, **D. Lessard**, Z. Li, G. Liotta, A. López-Ortiz, A. Lubiw, A. Maheshwari, J. Matousek, M. McAllister, H. Meijer, **P. Morin**, **J. Morrison**, J. I. Munro, C. Nicolás, G. Narasimhan, L. Narayanan, F. Nouboud, D. Nussbaum, E. Omana-Pulido, M. Overmars, M. Paquette, A. Pelc, D. Peleg, S. Ramaswami, P. Ramos, D. Rappaport, E. Rivera-Campo, K. Romanik, T. Roos, G. Rote, G. Roth, C. Shu, J. Sack, V. Sacristan, C. Seara, J.A. Sellares, S. Sethia, T. Shermer, M. Smid, J. Snoeyink, D. Souvaine, B. Speckmann, I. Stojmenović, J. Szanto, **Y. Tang**, J. Tejel, G. T. Toussaint, A. Turki, J. Urrutia, J. Vahrenhold, M. Vargas, P. Valtr, A. Vigneron, L. Vought, **Q. Wang**, **A. Whitehead**, **S. Wuhrer**, S. Whitesides, G. Wilfong, S. Wismath, **D. Wood**, **D. Xu**, S. Yu, J. Zaks, N. Zeh, C. Zelle, B. Zhu*

Invited lectures:

Date	Place and Lecture
Apr 2012	Univ. du Québec en Outaouais, Routing on a variant of the Delaunay Triangulation
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 lead 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 lead to the development of an interesting teaching tool

Date	Place and Lecture
Nov 2009	Dagstuhl, On plane geometric spanners
July 2009	Keynote speaker, 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
October 2008	U. of Waterloo, Path planning without a map
July 2008	U. Southern Denmark, On Flips in Triangulations
May 2008	Invited Speaker, Ontario Combinatorics Workshop, A review of geometric spanners.
Mar 2008	Queens 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
June 2005	Plenary Address at Encuentros de Comp. Geom., Flips in Triangulations
June 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
July 2004	Dagstuhl, Bottleneck Shortest Path Queries
April 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
June 2003	AMS-RSME special session on CG, Parallel Flips in Triangulations
June 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
June 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
Sept 2001	Queens University, Routing in Geometric Graphs
April 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 Politecnica de Madrid (3), Universidad Politecnica de Catalunya (2), Simon Fraser University, Université de Montréal, Centro de Investigacion y de Estudios Avanzados del Instituto Politecnico Nacional, University of Ottawa.

Contributions to the Scientific Community:

Year	Position	Activity
2012	Committee Member	FQRNT Evaluation Committee
2012	Committee member	Comp Geom: Applications, Practice and Theory (CG:APT)

Year	Position	Activity
2012-15	President	NSERC Committee on Scholarships and Fellowships
2012-15	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
2011-13	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 Conference 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, Program Committee
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

Year	Position	Activity
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 following:

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 following students::

Year	Student	Type of Examiner
2010	Kamrul Islam	External Examiner on PhD (Queens)
2009	Ilya Volnyansky	External Examiner on Masters (U of O)
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	Etienne 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	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)

Skills:

Languages	English and French (spoken and written), Some Bengali and Spanish
Programming languages	C, C++, Java, Perl
Operating systems	Linux, Windows 95/98/NT/2000
Software libraries	LEDA

Publications:

My name appears in bold when I presented the paper at the conference. The names of students that I supervised also appear in bold.

Journal Publications:

- [1] P. BOSE, **P. Carmi** AND S. DUROCHER. Bounding the Locality of Distributed Routing Algorithms. *Distributed Computing*, accepted, 2012.
- [2] P. BOSE, **P. Carmi**, **L. Chaitman**, S. COLLETTE, M. KATZ AND S. LANGERMAN. Stable Roommate Spanner. *Computational Geometry: Theory and Applications*, accepted, 2012.
- [3] P. BOSE, **D. Jansens**, **A. van Renssen**, **M. Saumell** and **S. Verdonschot**. Making triangulations 4-connected using flips. *Computational Geometry: Theory and Applications*, accepted, 2012.
- [4] P. BOSE, K. DOUÏEB, **J. Howat** AND **P. Morin**. Fast local searches and updates in bounded universes. *Computational Geometry: Theory and Applications*, accepted, 2011.
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