CURRICULUM VITAE

PERSONAL INFORMATION:

Last Name	First Name	AAU
FROST	Richard	SCHOOL OF COMPUTER SCIENCE

DEGREE:

From Month	From Year	To Month	To Year	Degree	Discipline	Institution	Country
		January	1985	Doctorate (Ph.D.)	Computer Science	University of Strathclyde	United Kingdom
		January	1975	Master's	Medical Physics	University of Aberdeen	United Kingdom
		January	1971	Bachelor's	Physics	University of London	United Kingdom

PROFESSIONAL DESIGNATIONS (License):

Year	Designation	Discipline	Institution	Country

PROFESSIONAL DESIGNATIONS (General):

Year	Designation	Discipline	Institution	Country

EMPLOYMENT HISTORY:

Date From	Date To	Rank/Position	Department	Institution/Firm	Level	Country
2010/07/01	Present	Acting Director and Professor	Computer Science	University of Windsor	Teaching University	ON, Canada
2004/01/01	Present	Professor and Chair of the Doctoral Program	Computer Science	University of Windsor	Teaching University	ON, Canada
2003/07/01	2003/12/01	Professor	Computer Science	University of Windsor	Teaching University	ON, Canada
2000/07/01	2003/06/01	Director and Professor	Computer Science	University of Windsor	Teaching University	ON, Canada
1999/09/01	2000/01/01	Acting Director and Professor	Computer Science	University of Windsor	Teaching University	ON, Canada
1987/01/01	1996/01/01	Director and Professor (awarded tenure 1990)	Computer Science	University of Windsor	Teaching University	ON, Canada
1986/01/01	1987/01/01	Senior Lecturer	Computer Science	University of Glasgow	Teaching University	United Kingdom
1985/01/01	1986/01/01	Lecturer (awarded tenure 1985)	Computer Science	University of Glasgow	Teaching University	United Kingdom
1978/01/01	1985/01/01	Lecturer (awarded tenure 1981)	Computer Science	University of Strathclyde	Teaching University	United Kingdom
1978/01/01	1985/01/01	Research Fellow	Computer Science	University of Strathclyde	Teaching University	United Kingdom

1974/01/01	1976/01/01	Systems Analyst/Sales Manager		Burroughs Machines	Other	ON, Canada
1971/01/01	1973/01/01	(VSO) Voluntary High School Teacher			Teaching College	Nigeria

HONOURS AND AWARDS:

Award	Award Date
The Ontario Leaders In Faculty Teaching (LIFT Award - Summer 2007)	2007
The University of Windsor Alumni Award for Distinguished Contributions to University Teaching	2002

TEACHING ACTIVITIES:

Courses Taught:

List all courses taught at the University of Windsor in the past.

Course Number	Semester	Year	Course Title	Full Year Course
03-60-100	Fall	2010	Key Concepts in Computer Science	No
03-60-510	Winter	2010	Background Reading and Survey	No
03-60-100	Fall	2009	Key Concepts in Computer Science	No
03-60-510	Winter	2009	Background Reading and Survey	No
60-510	Fall	2008	Survey and Background Reading	No
03-60-510	Winter	2008	Background Reading and Survey	No
60-510	Winter	2008	Survey and Background Reading	No
03-60-100	Fall	2007	Key Concepts in Computer Science	No
03-60-510	Winter	2007	Survey and Background Reading	No
03-60-100	Fall	2006	Key Concepts in Computer Science	No
60-100-51	Fall	2006	lab	No
60-100-30	Fall	2006	Key Concepts in Computer Science	No
60-100-01	Fall	2006	Key Concepts in Computer Science	No
03-60-510	Winter	2006	Survey and Background Reading	No

Indicate the number of graduate students and postdoctoral fellows that you currently supervise.

Supervision	Master's Students	Doctoral Students	Post-Doctoral Students
*supervise	0	3	0

Supervision	Master's Students	Doctoral Students	Post-Doctoral Students
*co-supervise	0	0	0

UNDERGRADUATE SUPERVISION:

Student Supervision / Internal Reader / Outside Reader

List undergraduate students supervised in the past, indicating the role of supervisor e.g. supervisior, co-supervisor, committee member; nature of supervision e.g. thesis, major paper, project, advanced studies, fieldwork, intership; title of thesis, if applicable; and whether it is completed or not; year completed, if applicable. If student supervision was not completed at the University of Windsor, please change the value of the Location.

Student Name	Role	Nature	Title of Thesis	Location	Year	Student Status	Completed

GRADUATE SUPERVISION:

Student Supervision / Student Co-supervision

List graduate students supervised in the past, indicating their level e.g. master,s, doctoral or postdoctoral, indicating the role of supervisor e.g. supervisior, co-supervisor; nature of supervision e.g. thesis, major paper, project, advanced studies, fieldwork, intership; title of thesis, if applicable; and whether it is completed or not; year completed, if applicable. If student supervision was not completed at the University of Windsor, please change the value of the Location.

Student Name	Level	Role	Nature	Title of Thesis	Location	Year	Enrollment	Completed
Shahriar Chandon	Master's	Supervisor	Graduate Supervision		University of Windsor, Windsor, ON Canada			Yes
(Sunny) Shi Yue	Doctoral	Supervisor						Yes
Nabil Abdullah	Doctoral	Supervisor						No
Randy Fortier	Doctoral	Supervisor						No
Rahmatulah Hafiz	Doctoral	Supervisor						No
Rahmatullah Hafiz	Master's	Supervisor	Graduate Supervision		University of Windsor, Windsor, ON Canada	2006		Yes
William Ma	Master's	Supervisor	Graduate Supervision		University of Windsor, Windsor, ON Caada	2006		Yes
Fadi Hanna	Master's	Supervisor	Graduate Supervision		University of Windsor, Windsor, ON Canada	2006		Yes

GRADUATE COMMITTEE MEMBERSHIP:

Internal Reader / Outside Reader / Committee Member

Student Name	Level	Role	Supervisor Name	Location	Year	Completed

Student Advising and Counseling (Undergrad Counsellor etc.):	Year

Course Development and Design / Learning Technologies (If you have designed a course for distance delivery include that here):	Year
Wrote the proposal and implemented the doctoral CS program. First students admitted in the Fall	2001
Managed post-ATOP expansion to 1,450 undergrads. (including 309 visa students), 80+ Master's students, 26 faculty, 7 lecturers and 6 administrative and 6 technical support staff	2000
Managed ATOP project to double resources - new faculty and support staff, and new labs and computer network	1999
Developed plans to double resources in order to accommodate a doubled CS enrolment	1997

Implemented two new B.Sc. degree programs: in Software Development and Computer Information Systems to attract new students	1994
1995 Managed introduction of courses 60-104, 60-205 and other CS service courses which now serve over 4,800 SEUs campus-wide each year	1990
Implemented the Master's program in Computer Science which is now the largest graduate program in the Faculty of Science	1989
Managed the introduction of Intern, Co-op, and Mini-internship rograms	1989
Managed recruitment of seven new CS professors, four of whom are women - moving towards CS equity target	1987
Managed large unfunded increase in student enrolment	1987

Other Teaching Activity:	Year

Publications of Teaching Materials (exclusive of scholarly publications and presentations related to pedagogy):	Year

Professional Development Activities Undertaken:

Primary	Secondary	Key Words (separated by commas)
language engineering: executable specifications of grammars, parsing, natural-language semantics	SpeechWeb, lazy functional programming	Language processing, Software Engineering, Speech recognition

Particular Instruments & Techniques:

PUBLICATIONS

1. Life-time summary (count) according to the following categories.

Category	Published/ In Press	Submitted/Submitted with Revisions	Completed/ In Progress	Status Not Selected/ Applicable
Books Authored	2	0	0	0
Books Edited	0	0	0	0
Books Translated	0	0	0	0
Book Reviews	0	0	0	0
Chapters in Books	0	0	0	0
Books - Other	0	0	0	0
Abstracts in Professional Journals	0	0	0	0
Articles in Refereed/Peer Reviewed Journals	13	0	0	0
Edited Journals	0	0	0	0
Review Journals	0	0	0	0
Articles in Professional Journals	0	0	0	0
Articles Translated	0	0	0	0
Articles in Refereed/Peer-Reviewed Conference, Symposia. Roundtable, Proceedings and Publications	34	0	0	2

Articles in Non Refereed Conference, Symposia, Roundtable Proceedings or Publications	0	0	0	0
Articles and/or Papers Presented (Posters Presented)	0	0	0	0
Articles Submitted for Peer Review	0	0	0	0
Non Refereed Articles	0	0	0	0
Non Refereed/ Non Peer-Reviewed Publications	4	0	0	0
Commissioned Research Reports	0	0	0	0
Contract Research Reports	0	0	0	0
Technical Reports	0	0	1	0
Edited Conference Proceedings	0	0	0	0
Other Research Presentations	0	0	0	0
Others	0	0	0	0
Patents	0	0	0	0

Category	Total
Conferences Attended	0
Workshops Presented	0

2. Details of above in the same categories. (List all items counted above.)

Books Authored
Published:
Frost, R.A., Introduction to Knowledge Base systems., pp 677, London and New York: collins and macmillan, 1986, Spanish version 1989, Still used as a textbook at UMIST.
Frost, R.A., Database Mangement systems, Collins, UK and McMillan, U.S., 1984.

Books Edited

Books Translated

Book Reviews

Chapters in Books

Books - Other

Abstracts in Professional Journals

Articles in Refereed/Peer Reviewed Journals
Published:

Frost, R.A., Realization of natural language interfaces using lazy functional programming, ACM Comput. Surveys, 38 (4)(Article 11), 54 pp, 2006, ACM Comput. Surveys is the most-cited CS journal worldwide. In top 10 downloads frm ACM Surveys site in January and February of 2007.
Frost, R.A., Call for a Public-Domain SpeechWeb, Communications of the ACM, Vol. 48(11), pp 45 - 49, 2005.
Frost, R.A.; Szdlowski, B., Memorizing purely functional top-down backtracking language processors, Science of Computer Programming, Vol. 27, pp 263 - 288, 1996.
Frost, R.A., Guarded attribute grammars, Software Practice and Experience 23, Vol. 10, pp. 1139 - 1156, 1993.
Frost, R.A., Constructing programs as executable attribute grammars, The Computer Journal, Vol. 35(4), pp 376 - 389, 1992.
Frost, R.A. and Saba, W., A database interface based on Montague's approach to the interpretation of natural nlanguage, Int. Journal of Man-Machine Studies, Vol. 38, pp. 149 - 176, 1990.
Frost, R.A.; Launchbury, E.J., Constructing natural language interpreters in a lazy functional language, The Computer Journal, Vol. 32(2), pp. 108 - 121, 1989.
Frost, R.A., Using Semantic concepts to characterize various knowledge representation formalisms, the Computer Journal, Vol. 28 (2), pp. 112 - 116, 1985.
Frost, R.A., SCHEMAL : Yet another conceptual schema definition language, The Computer JournaLl, Vol. 26 (3), pp. 228 - 234, 1983.
Frost, R.A.; Peterson, M.M., A funtion for generating nearly balanced binary search trees from sets of non-random keys, Software Practice and Experience, Vol. 12, pp. 163 -168, 1982.
Frost, R.A.; Whitaker, S., A step towards the automatic maintenance of the semantic integrity of databases, The Computer Journal, Vol. 26 (2), pp. 124 - 133, 1982.
Frost, R.A., Binary-relational storage structures, The Computer Journal, Vol. 25 (3), pp. 358 - 367, 1982.
Frost, R.A., Dumping the index of a dynamic hash table, The Computer Journal, Vol. 24 (4), pp. 383, 1981, Algorithm 113.

Edited Journals

Review Journals

Articles in Professional Journals

Articles Translated

Articles in Refereed/Peer-Reviewed Conference, Symposia. Roundtable, Proceedings and Publications
Published:
Hafiz, R. and Frost, R., Lazy Combinators for Executable Specifications of General Attribute Grammars, Proceeding of PADL 2010, 5937, 167 - 182, 2010, LNCS.
Frost, R., et al, MySpeechWeb:Software to facilitate the construction and deployment of speech applications on the web, Proceedings of ACM ASSETS 2008, 249-250, 2008, ACM, ACM.
Frost, R.A.; Hafiz, R.; Callaghan, P.C., Parser Combinators for Ambiguous Left-Recursive Grammars, Tenth International Symposium on Practical Aspects of Declarative Languages 2008 (PADL 08) CoLocated with POPL 2008., 2008, The Association for Computational Linguistics (ACL), ACLis the Premier organizatin for Computational Lingistics. IWPT is thPremier conference on natural-language parsing worldwide.
Hanna, F.; Frost, R.A., Adding Semantics to Formal Data Specifications to Automatically Generate Corresponding Voice-Data Input Applications, First IEEE Conference on Semantic Computing, 2007, September, IEEE.

Frost, R.A.; Ma, X.; Shi, Y., A browser for a public-domain Speech Web, WWW2007, the 16th International World Wide Web Conference, 1307 - 1308, 2007, May, The WWW is the Premier conference on web technologies worldwide.

Frost, R.A.; Fortier, R.J., An Efficient Denotational Semantics for Natural Language Database Queries, LNCS, 4592, 12 - 24, 2007, 13th International Conference on Applications of Natural Language to Information Systems NLDB 2007, This is the premier bi-annual conference on natural-language and its relationship to database systems.

Frost, R.A.; Hafiz, R.; Callaghan, P.C., Modular and Efficient Top-Down Parsing for Ambiguous Left-Recursive Grammars., Proceedings of the 10th International Conference on Parsing Technoligies (IWPT), 109 - 120, 2007, The Association for Computational Linguistics (ACL), ACLis the Premier organizatin for Computational Lingistics. IWPT is thPremier conference on natural-language parsing worldwide.

Abdullah, N.; Frost, R.A., Rethinking the Semantics of Complex Nominals, Canadian Conference on AI 2007, LNCS 3501, 502 - 513, 2007.

Su, L.; Frost, R.A., A Novel Use of VXML to Construct a Speech Browser for a Public-Domain SpeechWeb, LNCS, 401 - 405, 2005, Victoria, BC Canada, May, Springer, Advances in Artificial Intelligence, 18th Conference of the Canadian Society for Computational Studies of Intelligence, Canadian AI 2005, Lecture Notes in Computer Science 3501.

Abdullah, N.; Frost, R.A., Adjectives: A Uniform Semantic approach., Lecture Notes in Computer Science, pp. 330 - 341, 2005, Editor(s) - Balazs, Kegl; Lapalme, Guy, Victoria, BC Canada, May, Springer, Advances in Artificial Intelligence. 18th Conference of the Canadian Society for Computational Studies of Intelligence, Canadian AI 2005.

Shi, Y. ; Frost, R.A., An Investigation of Grammar Design in Natural-Language Speech Recognition, Advances in Artificial Intelligence, 17th Conference of the Canadian Society for Computational Studies of Intelligence, Canadian AI 2004 Proceedings, pp 569 - 570, 2004, Editor(s) - Tawfik, Ahmed Y.; Goodwin, Scott D., London, ON Canada, May, Springer, Advances in Artificial Intelligence, 17th Conference of the Canadian Society for Computational Studies of Intelligence, Canadian AI 2004, Lecture Notes in computer Science LNCS 3060.

Roy, M.; Frost, R.A., Extending Montague Semantics for Use in Natural-Language Database-Query Processing, LNCS, 567 - 568, 2004, Editor(s) - Tawfik, Ahmed Y.; Goodwin, Scott D., London, ON Canada, May, Springer, Advances in Artificial Intelligence, 17th Conference of the Canadian Society for Computational Studies of Intelligence, Canadian AI 2004, Lecture Notes in Computer Science LNCS 3060.

Frost, R.A.; Abdullah, N.; Bhatia, K.; Chitte, S.; Hanna, F.; Shi, Y.; Su, L., LRRP Speech Webs, IEEE computer society, pp 91 - 98, 2004, Fredericton, NB Canada, May, 2nd Annual Conference on communication Networks and Services Research (CNSR 2004).

Abdullah, N.; Frost, R.A., Two Set-Theoretic approaches to the Semantics of Adjective-Noun Combinations, LNCS, 546 - 548, 2004, Editor(s) - Tawfik, Ahmed Y.; Goodwin, Scott D., London, ON Canada, May, Springer 2004, Advances in Artificial Intelligence, 17th Conference of the Canadian Society for Computational Studies of Intelligence, Canadian AI 2004, Lecture Notes in Computer Science LNCS 2060.

Frost, R.A., Monadic Memoization: Towards correctness-preserving reduction of search., LNAI, 2671, 66 - 80, 2003, Editor(s) - Xiang, Y.; Chaib-draa, B., Dalhousie University, Halifax, NS Canada, June, Berlin, Springer-Verlag, 16th Canadian Conference of the Canadian society for Computational Studies of Intelligence, AI 2003.

Frost, R.A., An efficient compositional semantics for natural-language database queries with arbitrarily-nested quantification and negation., LNAI, 2338, pp 252 - 267, 2002, Editor(s) - /cigeb abd /soebcer, University of Calgary, AB Canada, May, Berlin: Springer-Verlag, 15th Canadian conference on Artificial Intelligence AI'2002.

Frost, R.A., Speech Web: A Web of natural-Language Speech Applications., Proceedings of the AAAI ;02 Intelligent systems Deomonstrations (ISD), PP. 998 - 999, 2002, University of Alberta, Edmonton, AB Canada, AAAI ;02 Intelligent systems Demonstrations (ISD).

Frost, R.A., WAGE: The Windsor Attribute Grammar Programming Environment, Proceedings of the 2002 IEEE Symposia on Human Centric Computing Languages and Environments - HCC '02, pp 96 - 98, 2002, Arlington, VA U.S.A., 2002 IEEE Symposia on Human Centric Computing Languages and Environments - ICC '02.

Neouchi, R.; Tawfik, A.H.; Frost, R.A., Towards a temporal extension of formal concept analysis., LNAI, 2056(Ottawa, ON Canada. Eds.: Eleni Stroulia, Stan Matwin), pp. 335 - 344, 2001, 14th Canadian Conference on Artificial Intelligence.

Frost, R.A., SpeechNet: A network of hyperlinked speech-accessible objects., IEEE Proceedings of WECWIS '99: International workshop on Advanced Issues of E-Commerce and Web-Based Information Systems., pp. 116-121, 1999, Santa Clara, CA U.S.A., April, WECWIS '99: International Workshop on advanced Issues of E-Commerce and Web-Based Information Systems.
Frost, R.A., A natural-language speech interface constructed entirely as a set of executable specifications, Proceedings of the AAAI '99 Intelligent Systems Demonstrations, pp. 908 - 909, 1999, Orlando, FL U.S.A., AAAI '99 Intelligent systems Decmonstrations.
Frost, R.A.; Chitte, S., A new approach for providing natural-language speech access to large knowledge bases, Proceedings of PACLING '99 The Conference of the Pacific Association for Computational Linguistics, pp. 82 - 90, 1999, PACLING'99 The Conference of the Pacific Association for Computational Linguistics.
Frost, R.A.; Haddad, T., Engineering and Re-engineering a speech interface to the Web, Proceedings of the 9th International Conference on Computing and Information, 1998, University of Manitoba, May, 9th International conference on Computing an Information.
Frost, R.A., Accessing computer-stored knowledge through spoken English, pp. 298-212, 1995, Washington, D.C. U.S.A., June, IASTED/ISMM International Conference on Intelligent Information Management Systems.
Frost, R.A., Use of executable specifications in the construction of speech interfaces, Proceedings of IJCAI Workshop on Developing AI Applications for the Disabled, 1995, University of Montreal, Montreal, PQ Canada, IJCAI Workshop on Developing AI Applications for the Disabled.
Frost, R.A.; Saba, W., Executable attribute grammars and knowledge base systems work, pp 11, 1991, University of New Brunswick, Fredericton, NB Canada, September, 4th UNB Artificial Intelligence Symposium.
Frost, R.A., Constructing programs in a calculus of lazy ineerpreters, ACM/SIGSOFT Software engineering Notes, Vol. 15 (4), pp. 30 - 41, 1990, Napa, CA U.S.A., May, ACM/SIGSOFT international Workshop on formal Methods in Software Development.
Frost, R.A.; Saba, W., Towards a calculus of lazy interpretors, Proceedings of the International Symposium on Intensional Programming, 1990, Queen's University, Kingston, ON Canada, International Symposium on Intensional Programming.
Julien, G.A.; Bandyopadhyay, S.; Miller, W.C.; Frost, R.A., A modulo bit level systolic compiler, Proceedings IEEE International Symposium on Circuits and Systems, pp. 457 - 460, 1989, Portland, OR U.S.A., May, IEEE International Symposium on Circuits and systems.
Frost, R.A.; Karamatos, S., W/AGE a CASE tool for the interactive synthesis of application programs, Proceedings of Workshop on Automating Software Design at IJCAI-89, pp 82 - 91, 1989, Editor(s) - McCartney, R., workshop on automating Software Design at IJCAI-89.
Frost, R.A., A method for building natural language query front-ends to relational database systems, Proceedings CIPS Edmonton '88 Conference, pp. 81 - 90, 1988, Edmonton, AB Canada, CIPS Edmonton '88 Conference.
Frost, R.A.; Bandyopadhyay, S.; Phoukas, D., Translating declaratively specified knowledge and usage requirements into a re-configurable machine, Proceedings International Workshop on VLSI For Artificial Intelligence, pp. 61 - 71, 1988, Editor(s) - Delgado-Frias, Jose G.; Moore, Will R., Oxford (UK), Kluwar Academic Press, International Workshop On VLSI For Artificial Intelligence.
Frost, R.A., Formalizing the notion of semantic integrity in database and knowledge base systems work, pp 105 - 127, 1986, University of Cambridge Press, The Fifth British National Conference on Databases (BNCOD5).
Frost, R.A., A simple database system aimed at the naive user, Proceedings of the sixth ACM European Regional Conference on systems Architecture, pp. 234 - 240, 1981, London, IPC Press, Sixth ACM European Regional Conference on Systems Architecture.
Status Not Selected/Applicable:
Frost, R.A.; Karamatos, S., Use of the w/AGE CASE tool in artificial intelligence, 1989, Herndon, VA U.S.A., October, IEEE Computer Society International Workshop on Tools for Artificial Intelligence.
Frost, R.A., An application of Montague's Intesional Logic in database work, 1987, Rodez, France, Second COST Workshop on Non-Standard Logics for Automated Reasoning.

Articles in Non Refereed Conference, Symposia, Roundtable Proceedings or Publications

Articles and/or Papers Presented (Posters Presented)

Articles Submitted for Peer Review

Non Refereed Articles

Non Refereed/ Non Peer-Reviewed Publications
Published:
, December.
Frost, R.A.; Hafiz, R., A new top-down parsng algorithm to accommodate ambiguity and left recursion in polynomial time, 41(5), 2006, pp 46 - 54 ACM SIGPLAN Notices.
Frost, R.A., Using Memoization to Achieve Polynominal Complexity of Purely Functional Executable Specifications of Non-Deterministic Top-Down Prasers, 1994, SIGPLAN Notices 29(4) pp 23 - 30.
Frost, R.A., Guarded attribute grammars: top down parsing and left recrusive productions, 1992, SIGPLAN Notices 27(6) pp 72 - 75.

Commissioned Research Reports

Contract Research Reports

Technical Reports
In Progress:
A denotational semantics for Natural Language Dtabase Queries, 2007, June.

Conferences Attended

Edited Conference Proceedings

Other Research Presentations

Workshops Presented

Others

Patents

PRESENTATIONS(INVITED, PEER REVIEWED CONFERENCE, PEER REVIEWED POSTER):

Presentation Category	Month	Year	Location	Title/Topic	Conference/Workshop Title	Co-Presenter(s)

CONTRIBUTED PRESENTATIONS:

Month	Year	Location	Title/Topic	Conference/Workshop Title	Co-Presenter(s)

PRESENTATIONS/SYMPOSIA/ROUNDTABLES/DISCUSSANT/COMMENTATOR/GUEST LECTURES:

Presentation Category	Year	Organization/Sponsor	Location	Title/Topic	Address	Invited	With Paper Distributed	Note

OTHER RESEARCH RELATED ACTIVITIES:

List any editorial, reviewing or grant adjudication activity that supports research.

Comment on research mentoring activities. Comment on any other research achievements.

Date From	Date To	Other Research Activities

CITATIONS AND REFERENCES TO THE SCHOLARLY AND CREATIVE ACTIVITY:

Nature of Citation	Author of Citation	Title	Location

GRANTS:

Grant Year(s)	Grant Status	Source	Type*	Total Amount	% Allocated to Researcher	Principal Investigator	Purpose**	Project Title	Note
			C	CADnull			Research		
2010-2015	Obtained	NSERC	C	CAD 125,000	100%			Executable Specifications of Natural-Language Speech Applications	
2009-2010	Obtained	NSERC	C	CAD 15,000	100%			Theory/tools to support creation/ deployment of speech applications	
2004-2009	Obtained	NSERC	C	CAD 125,000			Research		
2000-2004	Obtained	NSERC	C	CAD 100,000			Research		
1996-1996	Obtained	NSERC	C	CAD 86,000			Research		
1995-1995	Obtained	NSERC	C	CAD 24,000			Other		
1994-1994	Obtained	NSERC	C	CAD 9,281			Other		
1994-1994	Obtained	NSERC	C	CAD 21,522			Other		

Date									
1992-1994	Obtained	NSERC		CAD 80,000			Research		
1989-1992	Obtained	NSERC	C	CAD 54,000			Other		
1992-1992	Obtained	NSERC	C	CAD 17,000			Other		
1992-1992	Obtained	NSERC	C	CAD 26,482			Other		
1991-1991	Obtained	NSERC	C	CAD 13,000			Other		
1991-1991	Obtained	Ministry of Colleges and Universities	O	CAD 311,000			Other		
1989-1991	Obtained	NSERC	C	CAD 241,000			Research		
1987-1990	Obtained	NSERC	C	CAD 54,000			Research		
1989-1989	Obtained	University of Windsor Research Board	C	CAD 4,000			Research		
1987-1987	Obtained	University of Windsor Research Board	C	CAD 4,000			Research		

*Type: C-Granting Councils; G-Government; F-Foundations; O-Other

**Purpose: Research, Travel, Publication, etc.

CREATIVE ACTIVITY:

Date	Name of Activity	Nature of Activity	Role/Position	Production Company	Where	Comments

DRAMATIC ART

VISUAL ART

MUSIC (COMPOSITION)

MUSIC (DIRECTING/CONDUCTING)

MUSIC (ARTISTIC DIRECTION)

MUSIC (PERFORMANCE)

COMMUNICATION STUDIES (Film, Video and New Media)

SERVICE ACTIVITY:

SERVICE TO THE UNIVERSITY

Positions with responsibility stipend and ex officio committee membership.

Positions without responsibility stipend.
1992 Chair, Senate Computing Resources Committee and Initiator of the green paper (the first ever) SCRC planning document
1995 Member, VP's Interactive Instructional Technology Task Force
1995 to 1998 Member of the VP Academic's Technology Task Force
1998 - 1999 Obtained $1.6 m in donations (deep discounts) from SUN and several million dollars with of software from IBM
1998 - 1999 Wrote the ATOP plan to double CS student enrolment, resulting in $3.9 m capital from government, and several million dollars in operating funds
2007 Chair, Doctoral Program, School of Computer Science

University Committee Membership.
2007/01/01-Present, Member Senate Student Committee
2007/01/01-Present, Member, Director of Computer Science Search Committee
2007/01/01-Present, Member, Program Committee for the 2007 Canadian Conference on AI - AI'07
2007/01/01-Present, Member, Program Committee for the 20thAustralian Joint Conference on AI
2007/01/01-Present, Member, Senate
2006/01/01-Present, Member, School of Computer Science PTR Committe
1991/01/01-Present, Initiator and principal author of the proposal resulting in $150k grant to purchase
2007/01/01-2009/12/31, Author of proposal for SHARCNET Chair
2007/01/01-2008/03/01, Member, Dean of Science Search Committee
1995/01/01-1996/03/01, Member Dean Search Committee
1989/01/01-1993/12/31, Member, Senate
1991/01/01-1992/12/31, Member, Graduate Academic Standing Committee
1990/01/01-1992/12/31, Member, President's Employment Equity Review Comittee
1990/01/01-1991/12/31, Member, Graduate Curriculum (new programs) Committee

Faculty Association Committee Membership.

Liaison activity.

SERVICE TO THE ACADEMIC COMMUNITY

List work for academic societies\,etc.
1997/01/01-Present, External referee for promotion decisions at Memorial and Kebangasaan University, Malaysia
1990/01/01Member, Executive Advisory Board for Industrial/University Liaison, IBM Toronto Laboratory
1990/01/01Referee for - IEEE Knowledge and Data Engineering, Software Practice and Experience, The Computer Journal, IJMMS, The Science of Computer Programming, The Journal of Functional Programming, and various conferences
2003/01/01-2008/09/01, 2003/4 to 2008 Member, Program Committee, Canadian Conference on AI
1995/01/01-2003/12/31, Ontario Representative, and Secretary to, the Canadian Association of Computer Scientists
1994/01/01-1999/12/31, Member of the Editorial Board, The Computer Journal. This journal is the major journal of the second largest professional computing association in the world
1994/01/01-1995/12/31, Member, Vision and Mission Working Group, Windsor School Board
1989/01/01-1992/12/31, Member, Ontario Graduate Scholarship Selection Panel
1986/01/01-1986/02/01, 1986, 1987 and 1993 External PhD Examiner - Manchester, McGill, SFU, Saskatchewan

SERVICE OUTSIDE THE UNIVERSITY

List committees served on, and/or services provided in the broader community/government/profession.
Member of the IBM Executive Advisory Board - Toronto Labs 1989-2003

OUTSIDE ACTIVITIES

Performed in conjunction of the University.