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Dr. Anoop Sarkar

Correspondence language: English

Sex: Male

Date of Birth: 4/24

Canadian Residency Status: Canadian Citizen

Contact Information

The primary information is denoted by (*)

Address

Primary Affiliation (*)

Simon Fraser University
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Protected when completed

Dr. Anoop Sarkar

Language Skills

Language	Read	Write	Speak	Understand	Peer Review
English	Yes	Yes	Yes	Yes	Yes

Degrees

- 2002/6 Doctorate, Doctor of Philosophy, Computer Science, University of Pennsylvania
Degree Status: Completed
Thesis Title: Combining Labeled and Unlabeled Data in Statistical Natural Language Parsing
Transferred to PhD without completing Masters?: Yes
Supervisors: Joshi, Aravind, 1994/9 - 2002/6
- 1991/5 Bachelor's Honours, Bachelor of Engineering, Computer Science, University of Poona
Degree Status: Completed

Recognitions

- 2014/2 - 2015/2 Google Faculty Research Award - 36,186 (United States dollar)
Google Inc.
Prize / Award
The Lensing Wikipedia project
- 2009/2 - 2010/2 Google Faculty Research Awards - 70,000 (United States dollar)
Google Inc.
Prize / Award
Morphologically complex machine translation
- 2008/4 - 2009/3 IBM Faculty Award - 21,000 (United States dollar)
IBM
Prize / Award
Semi-supervised learning in NLP
- 2007/1 Excellence in Undergraduate Teaching Award
SFU Undergraduate Computing Science Student Society (CSSS)
Prize / Award
For excellence in teaching

User Profile

Engaged in Clinical Research?: No

Disciplines Trained In: Computer Science

Research Specialization Keywords: natural language processing, machine learning, data mining, Statistical machine translation, Statistical parsing of natural languages

Employment

2015/9	Professor Computing Science, Applied Sciences, Simon Fraser University Full-time, Professor Tenure Status: Tenure
2009/9 - 2015/8	Associate Professor Computing Science, Applied Sciences, Simon Fraser University Full-time, Associate Professor Tenure Status: Tenure
2002/9 - 2009/8	Assistant Professor Computing Science, Applied Sciences, Simon Fraser University Full-time, Assistant Professor Tenure Status: Tenure Track
2002/6 - 2002/8	Postdoctoral Fellow Institute for Research in Cognitive Science (IRCS), University of Pennsylvania Full-time Tenure Status: Non Tenure Track
1995/8 - 2002/5	Research Assistant Computer and Information Sciences, University of Pennsylvania Full-time Tenure Status: Non Tenure Track
1991/8 - 1993/8	Research Associate Center for Development in Advanced Computing (C-DAC)

Affiliations

The primary affiliation is denoted by (*)

(*) 2009/9 Associate Professor, Computing Science, Simon Fraser University

Research Funding History

Awarded [n=1]

2012/4 - 2016/3
Co-investigator GreenPhones: Energy-smart Software for Ubiquitous Mobility, Grant, Operating
Clinical Research Project?: No

Funding Sources:

2012/4 - 2016/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
Strategic Project Grant
Total Funding - 441,928 (Canadian dollar)
Portion of Funding Received - 48,612
Funding Competitive?: Yes

Co-investigator : Shriraman, Arvindh;

Principal Investigator : Fedorova, Alexandra

Completed [n=3]

2011/4 - 2013/3
Principal Investigator Advanced Annotation and Text Models for Visual Analytics, Grant, Operating
Clinical Research Project?: No

Funding Sources:

2011/4 - 2013/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
 Collaborative Research and Development (CRD) Grant
 Total Funding - 350,000 (Canadian dollar)
 Portion of Funding Received - 175,000
 Funding Competitive?: Yes

Co-investigator : John Dill; Rob Woodbury

2008/4 - 2013/3 Semi-supervised learning for Natural Language Processing, Grant, Operating
 Principal Investigator

Funding Sources:

2008/4 - 2013/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
 Discovery Grant
 Total Funding - 135,000 (Canadian dollar)
 Portion of Funding Received - 135,000
 Funding Competitive?: Yes

2012/4 - 2013/3 Natural Language Processing of Radiology Reports, Grant, Operating
 Principal Investigator Clinical Research Project?: No

Funding Sources:

2012/4 - 2013/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
 Engage Grant
 Total Funding - 25,000 (Canadian dollar)
 Portion of Funding Received - 25,000
 Funding Competitive?: Yes

Student/Postdoctoral Supervision

Bachelor's [n=19]

2016/5 - 2016/8 Principal Supervisor	Li, Jiaqi (Jerry) (In Progress) , Simon Fraser University Thesis/Project Title: The SFU Natural Language Processing toolkit Present Position: Undergraduate student, Simon Fraser University
2016/5 - 2016/8 Principal Supervisor	Liu, Shiqi (Luke) (In Progress) , Simon Fraser University Thesis/Project Title: The SFU Natural Language Processing toolkit Present Position: Undergraduate student, Simon Fraser University
2016/5 - 2016/8 Principal Supervisor	Avvaru, Pravalika (In Progress) , National Institute of Technology, Karnataka, India Thesis/Project Title: The SFU Natural Language Processing toolkit Present Position: Undergraduate student, Simon Fraser University
2016/5 - 2016/8 Principal Supervisor	Ke, Jiahao (Ryoma) (In Progress) , Simon Fraser University Thesis/Project Title: The SFU Natural Language Processing toolkit Present Position: Undergraduate student, Simon Fraser University
2016/1 - 2016/4 Principal Supervisor	La, Sean (In Progress) , Simon Fraser University Thesis/Project Title: The SFU Natural Language Processing toolkit Present Position: Undergraduate Researcher, SFU Department of Mathematics

2016/1 - 2016/8 Principal Supervisor	Chen, Jingda (Kingston) (In Progress) , Simon Fraser University Thesis/Project Title: The SFU Natural Language Processing toolkit Present Position: Front-end engineer, ZJW Ltd.
2016/1 - 2016/8 Principal Supervisor	Gu, Yilong (Jetic) (In Progress) , Simon Fraser University Thesis/Project Title: The SFU Natural Language Processing toolkit Present Position: Undergraduate student, Simon Fraser University
2015/5 - 2016/5 Principal Supervisor	Wang, Yizhou (Completed) , Simon Fraser University Thesis/Project Title: The SFU Natural Language Processing toolkit Present Position: Masters student, Yale University
2015/5 - 2016/8 Principal Supervisor	Vacariu, Andrei (Completed) , Simon Fraser University Thesis/Project Title: The Lensing Wikipedia project on language visualization Present Position: Masters student, Simon Fraser University
2015/5 - 2015/8 Principal Supervisor	Torres, Jin (Completed) , Simon Fraser University Thesis/Project Title: The SFU Natural Language Processing toolkit Present Position: Intern, Energy Aware Technology Inc
2014/9 - 2014/12 Principal Supervisor	Fu, Di (Completed) , Simon Fraser University Student Degree Start Date: 2014/9 Thesis/Project Title: The SFU Natural Language Processing Toolkit Present Position: Masters student, Simon Fraser University
2014/9 - 2014/12 Principal Supervisor	Yan, Sun (Completed) , Simon Fraser University Student Degree Start Date: 2014/9 Thesis/Project Title: The SFU Natural Language Processing Toolkit Present Position: Masters student, Simon Fraser University
2014/5 - 2014/9 Principal Supervisor	Patange, Utkarsh (Completed) , Simon Fraser University Student Degree Start Date: 2014/5 Thesis/Project Title: The SFU NLP Toolkit Project Present Position: Undergraduate student, Simon Fraser University
2014/1 - 2015/4 Principal Supervisor	Huang, Yulan (Completed) , Simon Fraser University Student Degree Start Date: 2014/1 Thesis/Project Title: The SFU Natural Language Toolkit Present Position: Masters student, Carnegie Mellon University
2013/5 - 2013/8 Principal Supervisor	Zhang, Haotian (Completed) , Simon Fraser University Student Degree Start Date: 2013/5 Thesis/Project Title: The SFU Natural Language Toolkit Present Position: Software Engineer, Facebook
2013/5 - 2013/8 Principal Supervisor	Jiang, Yuhuan (Completed) , Simon Fraser University Student Degree Start Date: 2013/5 Thesis/Project Title: The SFU Natural Language Toolkit Present Position: Doctor of Philosophy (PhD), Computer Science, University of Pittsburgh
2013/5 - 2014/4 Principal Supervisor	Wang, Ziqi (Completed) , Simon Fraser University Student Degree Start Date: 2013/5 Thesis/Project Title: Python toolkit for the XTAG English grammar and parser Present Position: Masters student, Carnegie Mellon University
2011/5 - 2011/8 Principal Supervisor	Kong, Mengkyun (Completed) , Simon Fraser University Student Degree Start Date: 2011/5 Thesis/Project Title: Tree-adjointing grammar parsing algorithms Present Position: Undergraduate student, Simon Fraser University

2010/5 - 2010/8
Principal Supervisor Chatterjee, Diptesh (Completed) , IIT Kharagpur
Student Degree Start Date: 2010/5
Thesis/Project Title: The SFU Natural Language Toolkit
Present Position: Software Engineer, Google India

Master's Thesis [n=22]

2016/9 - 2018/8
Principal Supervisor Born, Logan (In Progress) , Simon Fraser University
Thesis/Project Title: Synchronous non-local grammars and Greibach Normal Form
Present Position: Graduate student, Simon Fraser University

2015/9 - 2017/5
Principal Supervisor Xou, Xinxin (Vivian) (In Progress) , Simon Fraser University
Thesis/Project Title: Massively distributed stochastic gradient learning for Natural Language Processing
Present Position: Graduate student, Simon Fraser University

2014/9 - 2016/7
Principal Supervisor Wu, Zhelun (Completed) , Simon Fraser University
Student Degree Start Date: 2014/9
Thesis/Project Title: Decipherment of Evasive or Encrypted Offensive Text
Present Position: Developer, Local company

2014/9 - 2016/5
Principal Supervisor Shavarani, Sayedhassan (Completed) , Simon Fraser University
Student Degree Start Date: 2014/9
Thesis/Project Title: Training Data Annotation for Segmentation Classification in Translation
Present Position: PhD student, Simon Fraser University

2014/1 - 2016/2
Principal Supervisor Soleimani Nasab, Mohammad Mahdi (Completed) , Simon Fraser University
Thesis/Project Title: On the Importance of Decoding in Semi-supervised Learning
Present Position: Software Engineer, Company Name

2013/9 - 2015/10
Principal Supervisor Mehdizadeh, Ramtin (Completed) , Simon Fraser University
Student Degree Start Date: 2013/9
Thesis/Project Title: Paraphrases for Statistical Machine Translation
Present Position: Machine learning engineer, Axiom Zen Inc.

2013/9 - 2015/12
Principal Supervisor Bu, Te (Completed) , Simon Fraser University
Student Degree Start Date: 2013/9
Thesis/Project Title: Joint Prediction of Word Alignment and Alignment Types for Statistical Machine Translation
Present Position: Software Engineer, Microsoft Inc.

2013/9 - 2016/5
Co-Supervisor Sabharwal, Jasneet (Completed) , Simon Fraser University
Student Degree Start Date: 2013/9
Thesis/Project Title: Bilingual Language Models using Word Embeddings for Machine Translation
Present Position: Developer, Text IQ Inc.

2012/9 - 2015/4
Co-Supervisor Wang, Hao (Completed) , Simon Fraser University
Thesis/Project Title: Sentiment-aligned Topic Models for Product Aspect Rating Prediction

2012/9 - 2014/3
Principal Supervisor Dholakia, Rohit (Completed) , Simon Fraser University
Student Degree Start Date: 2012/9
Student Degree Received Date: 2014/4
Thesis/Project Title: Real-world Use of Pivot Languages to Translate Low-resource Languages
Project Description: Real-world use of pivot languages to translate low-resource languages
Present Position: Developer, Simba Technologies Inc.

2012/1 - 2014/8 Co-Supervisor	Sefidgar, Yasaman (Completed) , Simon Fraser University Thesis/Project Title: Discriminative key-segment model for interaction detection Present Position: Visiting Researcher, Human-Centered Robotics Lab, Computer Science and Engineering, University of Washington
2011/9 - 2013/4 Principal Supervisor	Vadlapudi, Ravikiran (Completed) , Simon Fraser University Student Degree Start Date: 2011/9 Student Degree Received Date: 2013/4 Thesis/Project Title: Verbose Labels for Semantic Roles Project Description: Verbose labels for semantic roles Present Position: Natural Language Processing Developer, Nuance Inc.
2011/1 - 2013/8 Co-Supervisor	Lindberg, David (Completed) , Simon Fraser University Thesis/Project Title: Automatic question generation from text for self-directed learning Present Position: Software Developer, MashUp
2010/9 - 2012/8 Principal Supervisor	Razavi, Marzieh (Completed) , Simon Fraser University Student Degree Start Date: 2010/9 Student Degree Received Date: 2012/8 Thesis/Project Title: Ensembles of Diverse Clustering-based Discriminative Dependency Parsers Project Description: Ensemble-based discriminative models for dependency parsing Present Position: PhD Student, EPFL Zurich
2010/9 - 2012/8 Principal Supervisor	Whitney, Max (Completed) , Simon Fraser University Student Degree Start Date: 2010/9 Student Degree Received Date: 2012/8 Thesis/Project Title: Bootstrapping via Graph Propagation Project Description: Bootstrapping via graph propagation Present Position: Student, Taiwan Normal University
2009/9 - 2011/8 Co-Supervisor	Cheng, Carson (Completed) , Simon Fraser University Thesis/Project Title: Cognitive modeling of sentence meaning acquisition using a hybrid connectionist computational model inspired by Cognitive Grammar Present Position: Teacher: COmputing Science, Calgary Board of Education
2009/9 - 2012/3 Principal Supervisor	Kim, Young-chan (Completed) , Simon Fraser University Student Degree Start Date: 2009/9 Student Degree Received Date: 2012/1 Thesis/Project Title: Bidirectional Segmentation for English-Korean Machine Translation Project Description: Topic in syntax-based machine translation Present Position: PhD Student, University of Texas at Dallas
2009/9 - 2011/3 Principal Supervisor	Patell, Porus (Completed) , Simon Fraser University Student Degree Start Date: 2009/5 Student Degree Received Date: 2011/4 Thesis/Project Title: Experiments on Phrasal Chunking in NLP using Exponentiated Gradient for Structured Prediction Project Description: Experiments on phrasal chunking in NLP using exponentiated gradient for structured prediction Present Position: Translation Division, SAP
2008/9 - 2010/8 Co-Supervisor	Zhang, Qiang (Completed) , Simon Fraser University Thesis/Project Title: Embedding parallel bit stream technology into Expat
2008/9 - 2011/8 Co-Supervisor	Sankaranarayanan, Ananth Narayan (Completed) , Simon Fraser University Thesis/Project Title: Global cost diversity aware scheduling algorithm for heterogeneous data centers

2008/9 - 2010/7
Principal Supervisor Clifton, Ann (Completed) , Simon Fraser University
Student Degree Start Date: 2008/9
Student Degree Received Date: 2010/8
Thesis/Project Title: Unsupervised Morphological Segmentation for Statistical Machine Translation
Project Description: Latent variable discriminative learning for NLP
Present Position: PhD student, Simon Fraser University

2007/9 - 2009/10
Principal Supervisor Grewal, Ajeetpal (Completed) , Simon Fraser University
Student Degree Start Date: 2007/9
Student Degree Received Date: 2009/12
Thesis/Project Title: Model Adaptation for Statistical Machine Translation
Project Description: Model adaptation for statistical machine translation
Present Position: Software Engineer, Twitter Inc.

Doctorate [n=13]

2014/9 - 2018/8
Principal Supervisor Sheikhshabbafghi, Golnar (In Progress) , Simon Fraser University
Student Degree Start Date: 2014/9
Thesis/Project Title: Advanced sequence to sequence models for bio-medical natural language processing.
Present Position: PhD student, Simon Fraser University

2013/9 - 2017/12
Principal Supervisor Mansouri, Anahita (In Progress) , Simon Fraser University
Student Degree Start Date: 2013/9
Thesis/Project Title: Multilingual Representation Learning for Machine Translation
Present Position: PhD student, Simon Fraser University

2011/9 - 2014/12
Co-Supervisor Shapovalova, Nataliya (Completed) , Simon Fraser University
Thesis/Project Title: *Towards Action Recognition and Localization in Videos with Weakly Supervised Learning*
Present Position: Software Development Engineer, Amazon

2011/5 - 2015/12
Co-Supervisor Hajimirsadeghi, Seyed (Completed) , Simon Fraser University
Thesis/Project Title: Multiple instance learning for visual recognition: Learning latent probabilistic models

2010/9 - 2013/8
Co-Supervisor Lan, Tian (Completed) , Simon Fraser University
Thesis/Project Title: From Flat to Hierarchical: Modeling Structures in Visual Recognition
Present Position: Research Scientist, Amazon

2010/9 - 2016/4
Co-Supervisor Han, Chao (Completed) , Simon Fraser University
Thesis/Project Title: Sensitive disclosures under differential privacy guarantees

2009/9 - 2016/6
Principal Supervisor Siabhani, Maryam (Completed) , Simon Fraser University
Student Degree Start Date: 2012/5
Thesis/Project Title: Left-to-Right Hierarchical Phrase-based Machine Translation
Project Description: Left to right decoding for statistical machine translation
Present Position: Tenure-track Assistant Professor, University of Fraser Valley

2008/9 - 2015/10
Principal Supervisor Clifton, Ann (Completed) , Simon Fraser University
Student Degree Start Date: 2010/9
Thesis/Project Title: Latent structure discriminative learning for natural language processing
Project Description: Morphologically complex languages in statistical machine translation
Present Position: Research Scientist, Amazon Inc.

- 2008/9 - 2013/8
Principal Supervisor Razmara, Majid (Completed) , Simon Fraser University
Student Degree Start Date: 2009/9
Student Degree Received Date: 2013/8
Thesis/Project Title: Leveraging Diverse Sources in Statistical Machine Translation
Project Description: Ensemble decoding for machine translation
Present Position: CTO, MetaOptima Inc.
- 2008/1 - 2013/12
Principal Supervisor Sankaran, Baskaran (Completed) , Simon Fraser University
Student Degree Start Date: 2008/1
Student Degree Received Date: 2013/4
Thesis/Project Title: Improvements in Hierarchical Phrase-based Statistical Machine Translation
Project Description: Improvements to hierarchical phrase-based translation
Present Position: Principal Research Scientist, IBM Research Yorktown Heights
- 2003/9 - 2010/12
Co-Supervisor Melli, Gabor (Completed) , Simon Fraser University
Thesis/Project Title: Supervised ontology to document interlinking
Present Position: Director of Data Science, OpenGov Inc.
- 2003/9 - 2009/10
Principal Supervisor Haffari, Gholam Reza (Completed)
Thesis/Project Title: Machine Learning Approaches to Dealing with Limited Training Data in Statistical Machine Translation
Present Position: Tenured Associate Professor, Monash University, Australia
- 2002/9 - 2009/12
Principal Supervisor Liu, Yudong (Completed) , Simon Fraser University
Student Degree Start Date: 2002/9
Student Degree Received Date: 2013/12
Thesis/Project Title: Semantic Role Labeling using Lexicalized Tree-Adjoining Grammars
Project Description: Semantic role labeling using lexicalized tree adjoining grammars
Present Position: Tenure-track Assistant Professor, University of Western Washington

Post-doctorate [n=2]

- 2013/9 - 2014/8
Principal Supervisor Schmidt, Mark (Completed) , University of British Columbia
Student Degree Start Date: 2013/9
Student Degree Received Date: 2014/8
Thesis/Project Title: Advanced annotation and text models for visual analytics
Project Description: Advanced annotation models for text analysis
Present Position: CRC Tier 2 Assistant Professor, University of British Columbia
- 2011/9 - 2012/12
Principal Supervisor Roy, Maxim (Completed) , Simon Fraser University
Student Degree Start Date: 2011/9
Student Degree Received Date: 2012/12
Thesis/Project Title: Advanced annotation and text models for visual analytics
Project Description: Advanced annotation models for text analysis, Nuance Inc

Research Associate [n=2]

- 2011/5 - 2011/8
Principal Supervisor Mengyun Kong, Simon Fraser University
Thesis/Project Title: Google
Present Position: Research Associate, Simon Fraser University
- 2010/5 - 2010/7
Principal Supervisor Chatterjee, Diptesh (Completed) , Simon Fraser University
Thesis/Project Title: - Created a SRILM wrapper in Python for Factored Language Models.- Experimented with a number of factored language models for morphologically rich languages.
Present Position: Senior Software Development Engineer, FireEy

Event Administration

2014/6 - 2015/7	Program Co-chair, Conference of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies, Conference, 2015/5 - 2015/6
2014/4 - 2015/5	Doctoral forum chair, Society for Industrial and Applied Mathematics (SIAM) International Conference on Data Mining, Conference, 2015/4 - 2015/5
2013/1 - 2014/10	Tutorials Chair, Association for Machine Translation in the Americas: AMTA 2014, Conference, 2014/10 - 2014/10
2011/5 - 2011/7	Invited Applications Papers Selection Committee, International Conference on Machine Learning: ICML 2011, Conference, 2011/6 - 2011/7
2009/7 - 2010/7	Program Co-chair, Conference on Natural Language Learning: CoNLL 2010, Conference, 2010/7 - 2010/7

Editorial Activities

2011/5 - 2016/9	Peer Reviewer, Transactions of the Association for Computational Linguistics, Journal
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Organizational Review Activities

2015/9 - 2015/12	Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) Grant Reviewer
2014/9 - 2014/12	Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) Grant Reviewer
2013/9 - 2013/12	Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) Grant Reviewer
2013/1 - 2013/12	Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) Strategic Project Grants
2013/1 - 2013/12	Reviewer, Czech National Science Foundation (GACR) Grant Reviewer
2012/9 - 2012/12	Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) Grant Reviewer
2012/9 - 2012/12	Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grants
2009/4 - 2010/4	Reviewer, MITACS College of Reviewers ACCELERATE program
2007/1 - 2007/12	Reviewer, The Netherlands Organization for Scientific Research Grant reviewer

Community and Volunteer Activities

	Grant Reviewer, The Netherlands Organization for Scientific Research (NWO)
2015/5 - 2015/6	Program Co-chair, North American ACL: NAACL
2015/4 - 2015/5	Doctoral forum chair, SIAM International Conference on Data Mining: SDM
2014/10 - 2014/10	Tutorials Chair, American Machine Translation Association: AMTA

2013/1 - 2013/12	Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) Reviewer for Strategic Project Grants
2013/1 - 2013/12	Reviewer, Czech National Science Foundation (GACR)
2012/1 - 2013/12	Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) Reviewer for Discovery Grants
2009/1 - 2013/12	Secretary, North American chapter of the Association for Computational Linguistics (NAACL)
2011/6 - 2011/7	Invited Applications Papers Selection Committee, International Conference on Machine Learning: ICML

International Collaboration Activities

2012/5 - 2012/8	Co-investigatorCanada In collaboration with the Language Technology group (LTRC) from NRC we made a joint submission to the 2012 NIST translation task for Arabic-English using NRC's Portage MT system, which is the most prestigious MT competition in North America.
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Committee Memberships

2013/4 - 2014/8	Chair, Big Data Masters Program, Simon Fraser University Program Director of Big Data M.Sc. at SFU CS
2013/6 - 2014/5	Committee Member, Senate Undergraduate Awards Adjudication Committee, Simon Fraser University Responsibilities:To adjudicate all Undergraduate private and University awards.To recommend to the Policy Committee changes or additions to the Award programs.To interview students in order to prepare recommendations where required for external agencies.To confer with scholarship students.To present scholarships at Secondary School convocations, where appropriate.
2012/6 - 2013/5	Committee Member, Tenure and Promotion Committee, Simon Fraser University Each Department, School or non-departmentalized Faculty, will establish annually a committee to consider matters of renewal, tenure and promotion.
2011/6 - 2012/5	Committee Member, Tenure and Promotion Committee, alternate, Simon Fraser University Each Department, School or non-departmentalized Faculty, will establish annually a committee to consider matters of renewal, tenure and promotion.

Other Memberships

2015/1 - 2015/5	Research & Industrial Relations, Simon Fraser University Associate Director in charge of industry relations between the School of Computing Science at SFU and industry partners for various types of research collaborations.
2013/4 - 2014/8	Program Director, Simon Fraser University Big Data M.Sc.: Develops data architects who apply a deep knowledge of computer science to create new tools that find value in the vast amounts of information generated today. Students are well-prepared to become data scientists/programmers, data solutions architects, and chief data officers capable of offering insights that influence strategic decision-making. The program is challenging and ideal for those with a strong aptitude in computer science or in quantitative fields, such as engineering or physics.

2009/1 - 2013/12 Secretary, North American chapter of the Association for Computational Linguistics
 Member of the North American ACL Board. In charge of organization of the NAACL conferences and the outreach programs of the NAACL.

Presentations

1. (2016). Segmentation and stream decoding for simultaneous speech translation. Invited talk at University of Washington, ECE department, Seattle, United States
 Main Audience: Researcher
 Invited?: Yes, Keynote?: No
2. (2015). Interactive visualization of facts extracted from natural language. Invited talk at University of Colorado, Boulder, United States
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: No
3. *M. Siahbani. (2013). Natural Language Processing and Text Visualization. Tutorial at the Canadian Visual Analytics Summer School: CANVAS, Halifax, Canada
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: No
4. (2013). Pareto optimal machine translation: Multiple objectives are better than one. IRMACS Interdisciplinary Colloquium - Fall, Burnaby, Canada
 Main Audience: Knowledge User
 Invited?: No, Keynote?: No
5. (2012). Tutorial on Tree-adjoining Grammars. 6th International Workshop Weighted Automata: Theory and Applications WATA, Dresden, Germany
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: No
6. (2012). Bootstrapping via Graph Propagation. Invited Talk at University of Maryland, College Park, United States
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: No
7. (2012). Ensemble decoding for statistical machine translation. Invited Talk at Carnegie Mellon University, Pittsburgh, United States
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: No
8. (2012). Four methods for morpheme-based machine translation. Invited Talk at Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, Republic of
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: No
9. (2012). Bootstrapping via Graph Propagation. Invited Talk at University of British Columbia, Vancouver, Canada
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: No
10. (2012). Text visualization and NLP. Invited Talk at CANVAS, Burnaby, Canada
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: No

11. (2011). Combining Morpheme-based machine translation with post-processing morpheme prediction. Language Technologies Research Centre and the Interactive Language Technologies Group of National Research Council Institute for Information technology (NRC-IIT), Gatineau, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
12. (2010). Translation beyond words: Unsupervised word segmentation and statistical machine translation. Department of Computer Science, University of Alberta, Edmonton, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
13. (2010). Latent TAG Derivations for Semantic Role Labeling. University of Heidelberg, Cambridge, United Kingdom
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
14. (2010). Latent TAG Derivations for Semantic Role Labeling. University of Heidelberg, Heidelberg, Germany
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
15. (2010). Latent TAG Derivations for Semantic Role Labeling. Open University, Milton Keynes, United Kingdom
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No

Publications

Journal Articles

1. Sarkar, A.(2016). How common Malayalam slang words evolved from foreign languages. Scroll.In. Published,
Refereed?: No, Open Access?: Yes
2. *Wang Z, *Zhang H, Sarkar A. (2015). A Python-based Interface for Wide Coverage Lexicalized Tree-adjoining Grammars. The Prague Bulletin of Mathematical Linguistics. 103: 139-159.
Published,
Refereed?: Yes
3. Sankarak B, Razmara M, Sarkar A. (2012). Kriya - an end-to-end hierarchical phrase-based MT system. The Prague Bulletin of Mathematical Linguistics. 97: 83-98.
Published,
Refereed?: Yes

Book Chapters

1. Anoop Sarkar. (2012). Syntax and Parsing. Daniel M. Bikel and Imed Zitouni. Multilingual Natural Language Applications: From Theory to Practice. : 57-96.
First Listed Author
Published, Prentice Hall,
Refereed?: Yes

Book Reviews

1. Review of Parsing Schemata for Practical text Analysis. Computational Linguistics. (2011). 37(4)
Published, MIT Press,
Review Year: 2011
Gomez C.

Conference Publications

1. Golnar Sheikhsab and Elizabeth Starks and Aly Karsan and Anoop Sarkar and Inanc Birol. (2016). Graph-based Semi-supervised Gene Mention Tagging. Proceedings of the 15th Workshop on Biomedical Natural Language Processing: BioNLP, Berlin, Germany,
Conference Date: 2016/7
Paper
Published
Refereed?: Yes, Invited?: No
- [2.](#) *Mehdizadeh Seraj, R., *Siahbani M, Sarkar, A. (2015). Improving Statistical Machine Translation with a Multilingual Paraphrase Database. Proceedings of the 2015 Conference on Empirical Methods in Natural Language Processing. Conference on Empirical Methods in Natural Language Processing, Lisbon, Portugal (1379-1390),
Conference Date: 2015/9
Paper
Published
Refereed?: Yes, Invited?: No
Number of Contributors: 3

Funding Sources: Natural Sciences and Engineering Research Council of Canada (NSERC) - RGPAS446348
3. *Schmidt M, Babanezhad R, Ahemd MO, Defazio A, *Clifton A, Sarkar A. (2015). Non-uniform Stochastic Average Gradient Method for Training Conditional Random Fields. Proceedings of the 18th International Conference on Artificial Intelligence and Statistics (AISTATS). 18th International Conference on Artificial Intelligence and Statistics (AISTATS) 2015, San Diego, CA, United States (819-828),
Conference Date: 2015/5
Paper
Co-Author
Published
Refereed?: Yes, Invited?: No
4. *Siahbani M, *Seraj RM, *Sankaran B, Sarkar A. (2014). Incremental Translation using a Hierarchical Phrase-based Translation System. In Proceedings of the 2014 IEEE Spoken Language Technology Workshop (SLT 2014). 2014 IEEE Spoken Language Technology Workshop (SLT 2014), South Lake Tahoe, CA, United States,
Conference Date: 2014/12
Paper
Last Author
Published
Refereed?: Yes, Invited?: No

5. *Sankaran B, Sarkar A. (2014). Bayesian Iterative-cascade Framework for Hierarchical Phrase-based Translation. Proceedings of the 11th Conference of the Association for Machine Translation in the Americas, Vol.11th Biennial Conference of the Association for Machine Translation in the Americas (AMTA-2014), Vancouver, BC, Canada (15-27),
Conference Date: 2014/10
Paper
Co-Author
Published
Refereed?: Yes, Invited?: No
6. *Siahbani M, Sarkar A. (2014). Expressive Hierarchical Rule Extraction for Left-to-Right Translation. Proceedings of the 11th Biennial Conference of the Association for Machine Translation in the Americ. 11th Biennial Conference of the Association for Machine Translation in the Americas (AMTA-2014), Vancouver, BC, Canada (1-14),
Conference Date: 2014/10
Paper
Co-Author
Published
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