NSERC CRSNG

Canadian Common CV commun canadien

Dr. Anoop <u>Sarkar</u>

Correspondence language: English
Sex: Male

Contact Information

The primary information is denoted by (*)

Address

<u>Primary Affiliation</u> (*)

Simon Fraser University
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Canadian
Common CV commun
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Dr. Anoop <u>Sarkar</u>

Language Skills

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

Degrees

- 2002/6	Doctorate, Computer Science, University of Pennsylvania
	Supervisors: Joshi, Aravind, 1994/9 - 2002/6
- 1991/5	Bachelor's Honours, Computer Science, University of Poona

Recognitions

2014/2 - 2015/2	Google Faculty Research Award - 36,186 Google Inc. Prize / Award The Lensing Wikipedia project

User Profile

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

Research Funding History

Awarded [n=1]

2012/4 - 2016/3
Co-investigator

GreenPhones: Energy-smart Software for Ubiquitous Mobility, Grant

Funding Sources:

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

Co-investigator : Shriraman, Arrvindh;

Principal Investigator : Fedorova, Alexandra

Completed [n=3]

2011/4 - 2013/3
Principal Investigator

Advanced Annotation and Text Models for Visual Analytics, Grant

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
Portion of Funding Received - 175,000
Funding Competitive?: Yes

Co-investigator : John Dill; Rob Woodbury

2008/4 - 2013/3
Principal Investigator

Semi-supervised learning for Natural Language Processing, Grant

Funding Sources:

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

2012/4 - 2013/3
Principal Investigator

Natural Language Processing of Radiology Reports, Grant

Funding Sources:

2012/4 - 2013/3	Natural Sciences and Engineering Research Council of Canada (NSERC)
	Engage Grant
	Total Funding - 25,000
	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 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 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 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 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 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 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 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 Thesis/Project Title: Tree-adjoining grammar parsing algorithms Present Position: Undergraduate student, Simon Fraser University
2010/5 - 2010/8 Principal Supervisor	Chatterjee, Diptesh (Completed) , IIT Kharagpur Thesis/Project Title: The SFU Natural Language Toolkit Present Position: Software Engineer, Google India

Master's Thesis [n=21]

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 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 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 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 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 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 Thesis/Project Title: 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 Thesis/Project Title: 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 Thesis/Project Title: Ensembles of Diverse Clustering-based Discriminative Dependency Parsers Present Position: PhD Student, EPFL Zurich
2010/9 - 2012/8 Principal Supervisor	Whitney, Max (Completed) , Simon Fraser University Thesis/Project Title: 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 Thesis/Project Title: Bidirectional Segmentation for English-Korean Machine Translation Present Position: PhD Student, University of Texas at Dallas
2009/9 - 2011/3 Principal Supervisor	Patell, Porus (Completed) , Simon Fraser University Thesis/Project Title: 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 Thesis/Project Title: Unsupervised Morphological Segmentation for Statistical Machine Translation Present Position: PhD student, Simon Fraser University

Doctorate [n=11]

2014/9 - 2018/8 Principal Supervisor	Sheikhshabbafghi, Golnar (In Progress) , Simon Fraser University 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 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 Thesis/Project Title: Left-to-Right Hierarchical Phrase-based Machine Translation Present Position: Tenure-track Assistant Professor, University of Fraser Valley
2008/9 - 2015/10 Principal Supervisor	Clifton, Ann (Completed) , Simon Fraser University Thesis/Project Title: Latent structure discriminative learning for natural language processing Present Position: Research Scientist, Amazon Inc.
2008/9 - 2013/8 Principal Supervisor	Razmara, Majid (Completed) , Simon Fraser University Thesis/Project Title: Leveraging Diverse Sources in Statistical Machine Translation Present Position: CTO, MetaOptima Inc.
2008/1 - 2013/12 Principal Supervisor	Sankaran, Baskaran (Completed) , Simon Fraser University Thesis/Project Title: Improvements in Hierarchical Phrase-based Statistical Machine 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.

Post-doctorate [n=2]

2013/9 - 2014/8 Principal Supervisor	Schmidt, Mark (Completed) , University of British Columbia Thesis/Project Title: Advanced annotation and text models for visual analytics Present Position: CRC Tier 2 Assistant Professor, University of British Columbia

2011/9 - 2012/12   Roy, Maxim (Completed) , Simon Fraser University
Principal Supervisor   Thesis/Project Title: Advanced annotation and text models for visual analytics, Nuance Inc

Research Associate [n=2]

2011/5 - 2011/8   Mengyun Kong, Simon Fraser University
Principal Supervisor   Thesis/Project Title: Google
Present Position: Research Associate, Simon Fraser University

2010/5 - 2010/7   Chatterjee, Diptesh (Completed) , Simon Fraser University
Principal Supervisor   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

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

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.

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. *Wang Z, *Zhang H, Sarkar A. (2015). A Python-based Interface for Wide Coverge Lexicalized Tree-adjoining Grammars. The Prague Bulletin of Mathematical Linguistics. 103: 139-159.
Published
Refereed?: Yes

2. 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.
Published, Prentice Hall
Refereed?: Yes

Conference Publications

1. Golnar Sheikhshab 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

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
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
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
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
Published
Refereed?: Yes, Invited?: No

7.   *Siahbani M, Sarkar A. (2014). Two Improvements to Left-to-Right Decoding for Hierarchical Phrase-based Machine Translation. Proceedings of the 2014 Conference on Empirical Methods in Natural Language Processing (EMNLP). 2014 Conference on Empirical Methods in Natural Language Processing (EMNLP 2014), Doho, (221-226)
Conference Date: 2014/10
Paper
Published
Refereed?: Yes, Invited?: No

8.   *Dholakia R, Sarkar A. (2014). Pivot-based Triangulation for Low-Resource Languages. Proceedings of AMTA 2014, vol. 1: MT Researchers. 11th Biennial Conference of the Association for Machine Translation in the Americas (AMTA-2014), Vancouver, BC, Canada (315-328)
     Conference Date: 2014/10
     Paper
     Published
     Refereed?: Yes, Invited?: No

9.   *Razmara M, Sarkar A. (2013). Ensemble Triangulation for Statistical Machine Translation. International Joint Conference on Natural Language Processing. 6th International Joint Conference on Natural Language Processing: IJCNLP 2013, Nagoya, Japan (252-260)
     Conference Date: 2013/10
     Paper
     Published
     Refereed?: Yes, Invited?: No

10. *Clifton A, *Whitney M, Sarkar A. (2013). An Online Algorithm for Learning over Constrained Latent Representations using Multiple Views. International Joint Conference on Natural Language Processing. 6th International Joint Conference on Natural Language Processing: IJCNLP 2013, Nagoya, Japan (1072-1076)
     Conference Date: 2013/10
     Paper
     Published
     Refereed?: Yes, Invited?: No

11. *Siahbani M, *Sankaran B, Sarkar A. (2013). Efficient Left-to-Right Hierarchical Phrase-based Translation with Improved Reordering. Proceedings of the 2013 Conference on Empirical Methods in Natural Language Processing. Conference on Empirical Methods in Natural Language Processing (EMNLP 2013), Seattle, WA, United States (1089-1099)
     Conference Date: 2013/10
     Paper
     Published
     Refereed?: Yes, Invited?: No

12. *Sankaran B, *Haffari G, Sarkar A. (2013). Scalable Variational Inference for Extracting Hierarchical Phrase-based Translation Rules. International Joint Conference on Natural Language Processing. 6th International Joint Conference on Natural Language Processing: IJCNLP 2013, Nagoya, Japan (438-446)
     Conference Date: 2013/10
     Paper
     Published
     Refereed?: Yes, Invited?: No

13. *Siahbani M, *Vadlapudi R, *Whitney M, Sarkar A. (2013). Knowledge Base Population and Visualization Using an Ontology based on Semantic Roles. Proceedings of the 2013 workshop on Automated knowledge base construction. Automated Knowledge Base Construction (AKBC) 2013: The 3rd Workshop on Knowledge Extraction at CIKM 2013, San Francisco, CA, United States (85-90)
     Conference Date: 2013/10
     Paper
     Published
     Refereed?: Yes, Invited?: No

14.   *Razmara M, *Siahbani M, Haffari R, Sarkar A. (2013). Graph Propagation for Paraphrasing Out-of-Vocabulary Words in Statistical Machine Translation. Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics. 51st Annual Meeting of the Association for Computational Linguistics (ACL 2013), Sofia, Bulgaria (1105-1115)
Conference Date: 2013/8
Paper
Published
Refereed?: Yes, Invited?: No

15.   *Razmara M, Sarkar A. (2013). Stacking for Statistical Machine Translation. Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics. 51st Annual Meeting of the Association for Computational Linguistics (ACL 2013), Sofia, Bulgaria (334-339)
Conference Date: 2013/8
Paper
Published
Refereed?: Yes, Invited?: No

16.   *Sankaran B, Sarkar A, Duh K. (2013). Multi-Metric Optimization Using Ensemble Tuning. Proceedings of NAACL-HLT 2013. 2013 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT 2013), Atlanta, GA, United States (947-957)
Conference Date: 2013/6
Paper
Published
Refereed?: Yes, Invited?: No

17.   *Sankaran B, Sarkar A, Duh K. (2013). Multi-objective Optimization Problems in Statistical Machine Translation. Proceedings of the 22nd International Conference on Multiple Criteria Decision Making. 22nd International Conference on Multiple Criteria Decision Making (MCDM 2013), Malaga, Spain
Conference Date: 2013/6
Poster
Published
Refereed?: Yes, Invited?: No

18.   *Vadlapudi R, *Siabhani M, Sarkar A, Dill J. (2012). LensingWikipedia: Parsing Text for the Interactive Visualization of Human History. Proceedings of IEEE Symposium on Visual Analytics Science and Technology 2012. IEEE visWeek 2012 Posters, Seattle, WA, United States (247-248)
Conference Date: 2012/10
Poster
Published
Refereed?: Yes, Invited?: No

19.   *Sankaran B, Haffari G, Sarkar A. (2012). Compact Rule Extraction for Hierarchical Phrase-based Translation. In The 10th biennial conference of the Association for Machine Translation in the Americas (AMTA). 10th biennial conference of the Association for Machine Translation in the Americas (AMTA), San Diego, CA, United States
Conference Date: 2012/10
Paper
Published
Refereed?: Yes, Invited?: No

20.   *Whitney M, Sarkar A. (2012). Bootstrapping via Graph Propagation. Proceeding ACL '12 Proceedings of the 50th Annual Meeting of the Association for Computational Lingu. 50th Annual Meeting of the Association for Computational Linguistics (ACL-2012), Jeju Island, (620-628)
Conference Date: 2012/7
Paper
Published
Refereed?: Yes, Invited?: No

21. *Razmara M, Foster G, *Sankaran B, Sarkar A. (2012). Mixing Multiple Translation Models in StatisticalMachine Translation. Proceedings of the 50th Annual Meeting of the Association for Computational Linguistics. 50th Annual Meeting of the Association for Computational Linguistics (ACL-2012), Jeju Island, (940-949)
Conference Date: 2012/7
Paper
Published
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