

Tomasz (Tomek) Strzalkowski

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EDUCATION

M.Sc. 1981, Computer Science, Warsaw University, Warsaw, Poland.
 Ph.D. 1986, Computer Science, Simon Fraser University, Vancouver, Canada.

RESEARCH EXPERTISE

Computational Linguistics and Socio-Linguistics, Computational Social Science, Information Retrieval, Automated Summarization, Question Answering, Spoken Dialogue Systems, Knowledge Representation, Logic Programming, Artificial Intelligence.

EMPLOYMENT HISTORY

2011-present: Computer Science Department, University at Albany; Professor
 2001-present: Director, Institute for Informatics, Logics and Security Studies
 2000-2011: Computer Science Department, University at Albany; Associate Professor
 1994-2000: GE Corporate R&D; Principal Scientist, Team Leader, Natural Language Group
 1987-1994: Department of Computer Science, Courant Institute, NYU; research assistant professor
 1986-1987: School of Computing Science, Simon Fraser University; postdoctoral fellow
 1983-1986: Computing Science Department, Simon Fraser University; graduate assistant
 1981-1982: Institute of Informatics, Warsaw University; research scientist

RESEARCH: FUNDED PROJECTS

Obtained and executed (as PI or co-PI) research projects jointly valued at more than \$70 million, including more than \$30 million while at SUNY Albany. (*Principal Investigator, unless noted otherwise*)

Current Projects

1. VITA: Disambiguate Knowledge Extractions Using Multimodal Data (2014; \$200K; DARPA)
2. CUBISM: Conversation Understanding through Belief Interpretation and Sociolinguistic Modeling (2012-2017; \$1.1M; DARPA DEFT Program)
3. REMND: Robust Extraction of Metaphors from Novel Data (2011-2016, \$5.5M, IARPA Metaphor Program)
4. CYCLES: Mitigating Analytical Bias through CYCLES of Transformative Learning in Serious Games (2011-2015, \$8.7M, IARPA Sirius Program)

Completed Projects

5. ADEPT: Persuasive Memes in Internet Social Media (2012-2013, \$150K, LMC)
6. Question and Answering Interface to TAP (2011-12; \$200K, Battelle)
7. DSARMD: Detecting Social Actions/Roles in Multiparty Dialogues (2009-12; \$2.2M, IARPA)
8. SCRIBE: Virtual Worlds to Real Worlds Inferences (2009-2012, \$1.1M, IARPA)
9. CPAM: Changing Positions Altering Minds (2010-11, \$150K, LMC)
10. Student Research Workshop at ACL-2010 (2010-2011, \$17.7K, NSF)
11. ECO: Effective Communications through Internet Social Media (2009-10, \$200K, LMC)
12. Social Robotics Innovative Curriculum (2007-2010, \$325K, NSF CPATH, role: advisor)
13. Deliberative E-Rulemaking Decision Facilitation (DeER): (2007-10, \$250K, NSF, role: advisor)
14. COMPANIONS (2006-2010; \$500K, EU Commission 6th FP)
15. Thai-English Machine Translation (2008-2010, \$160K, US Army CERDEC)

16. Advanced Human Terrain (2007-2009, \$300K, Lockheed Martin)
17. ChatMinder (2008-2009; \$40K, NIJ, role: PI)
18. HITIQA-3: High-quality Intelligence through Interactive QA (2006-08; \$900K, IARPA)
19. COLLANE: Collaborative Analyst Environment (2006-2008; \$2,950K, IARPA)
20. HITIQA Technology Insertion (2006-2008; \$600K, CIA)
21. HITIQA-2: Intelligence Analyst's Assistant (2004-2006; \$1,700K, ARDA)
22. Robotics Program Initiation at UAlbany (2004-06; \$58K; RF, VP Research/CAS/CCI)
23. NWRRC Workshop on QA Evaluation (2004-2005; \$500K, ARDA)
24. NRRC Workshop on Information Retrieval for QA (2003-2004; \$500K, ARDA)
25. MIII: Multi-Institutional Info. Integration (2002-2004, \$950K, NSF ITR; senior personnel)
26. AMITTES: Automated Multilingual Access to Information and Services (2001-04; \$2M + Euro 2.5M, European Commission/DARPA; Awarded to AMITTES Consortium: UA, Duke, Sheffield, LIMSI, VECSYS)
27. HITIQA: High-Quality Interactive Question Answering (2001-2004; \$1,600K, ARDA)
28. Deploying Summarization to Analyst's Desktop (2001-02; \$140K; GE/ARDA)
29. Concept-based Dynamic Text Summarization (2000-01, \$120K, GE/ARDA)
30. Automated Technical Order Generation (2000-2003, \$3.2M, AFOSR)
31. Video Analysis and Content Extraction (2000-2002, \$800K; ARDA)
32. XDoX: Cross-Document Summarization of Text and Speech (2000, \$375K; ARDA)
33. Research in Cross-Document Summarization (1999, \$450K, ARDA)
34. PartsId: Conversational access to parts information for medical systems (1999; \$300K; GE Medical Systems/L&H)
35. Digital Video Management (1999-2001; \$900K, AFOSR)
36. Topic Detection & Tracking (1998; \$30K; NBC)
37. Tipster Phase III: Text Retrieval and Summarization (1996-98; \$600K; DARPA)
38. Text Abstraction and Redundancy Detection (1996; \$200K; Lockheed Martin)
39. Video Indexing and Retrieval (1996; \$120K; Lockheed Martin)
40. Interactive Electronic Technical Manuals (1995; \$400K; Lockheed Martin/US Navy)
41. Information System 2000/Information Backbone (1995-97; \$600K; Lockheed Martin)
42. HITECC: Healthcare Information Technology (1995-98; \$20M; NIST ATP, co-PI)
43. Patent Search and Classification (1995; \$200K; Lockheed Martin/USPTO)
44. Tipster Phase II: Information Extraction and Retrieval (1994-96, \$600K; DARPA)
45. From Text Corpora to Text Databases (1993-96; \$220K; NSF)
46. Text Retrieval Conference (1992; \$30K; DARPA/NIST).
47. Natural Language Processing in Information Retrieval (1992; \$30K; Canadian Institute for Robotics and Intelligent Systems)

Proposals Pending

TEACHING: COURSES TAUGHT AND DEVELOPED

- Artificial Intelligence (upper undergraduate, SFU, 1986)
- Symbolic Computing (upper undergraduate, SFU, 1986; 1987)
- Database Design (undergraduate, SFU, 1987)
- Artificial Intelligence (graduate, 1987-1989; NYU)
- Natural Language Processing (graduate, 1991, 1993, NYU)
- Information Retrieval (graduate; CSI 550 graduate, Fall 2000—2014; UAlbany)
- Automated Question Answering (graduate; CSI 660 seminar; Spring 2002, 2003, 2007; UAlbany)
- Theory of Computation (graduate; CSI 509; Spring 2001; Spring 2002 (part); UAlbany)
- Social Robotics Seminar (undergraduate/graduate; CSI 660/445; 2004—2010; UAlbany; NSF sponsored)
- Artificial Intelligence (undergraduate/graduate, CSI 435/535, Spring 2009-2012, UAlbany)

PUBLICATIONS

Books & Proceedings

1. S. Demir, J. Raab, N. Reiter, M. Lopatkova and T. Strzalkowski (eds.) *Proceedings of the ACL 2010 Student Research Workshop*. Association for Computational Linguistics, 2010.
2. T. Strzalkowski & S. Harabagiu (eds.) *Advances in Open-Domain Question Answering*. Springer, 2008 (paperback edition)
3. T. Strzalkowski & S. Harabagiu (eds.) *Advances in Open-Domain Question Answering*. Springer, 2006.
4. T. Strzalkowski (ed.) *Natural Language Information Retrieval*. Kluwer Academic Publishers, 1999.
5. T. Strzalkowski (ed.) *Reversible Grammar in Natural Language Processing*. Kluwer Academic Publishers, 1994

Book Chapters

1. Tomek Strzalkowski, Sarah Taylor, Samira Shaikh, Ben-Ami Lipetz, Hilda Hardy, Nick Webb, Tony Cresswell, Min Wu, Yu Zhan, Ting Liu, and Song Chen (2009). COLLANE: An experiment in computer-mediated tacit collaboration. In *Aspects of Natural Language Processing* (M. Marciniak and A. Mykowiecka, editors). Springer.
2. Tomek Strzalkowski, Sharon Small, Hilda Hardy, Ting Liu, Sean Ryan, Nobuyuki Shimizu and Min Wu (2006). Question Answering as Dialogue with Data. In T. Strzalkowski & S. Harabagiu (eds.) *Advances in Open-Domain Question Answering*, pp. 149—188. Springer.
3. Sharon Small, Ting, Liu, Nobuyuki Shimizu, Tomek Strzalkowski and Boris Yamrom (2004). A Data Driven Approach to Interactive Question Answering. In M. Maybury (ed), *Future Directions in Automated Question Answering*. MIT Press, pp. 129—140.
4. E. Tzoukermann, J. Klavans and T. Strzalkowski. Information Retrieval and Natural Language Processing. In R. Mitkov (ed.), *Oxford Handbook of Computational Linguistics*. Oxford University Press, 2003, pp. 529—544.
5. T. Strzalkowski, G. Stein, J. Wang, B. Wise. Robust Practical Text Summarization. In M. Maybury and I. Mani (eds), *Advances in Automatic Text Summarization*, MIT Press. 1999, pp. 137—154.
6. T. Strzalkowski, Jose Perez-Carballo, Fang Lin and Jin Wang. Evaluating Natural Language Processing Techniques in Information Retrieval. In T. Strzalkowski (ed.) *Natural Language Information Retrieval*. Kluwer Academic Publishers, pp. 113—146. 1999.
7. T. Strzalkowski. Robust Text Processing in Automated Information Retrieval. In K. Sparck Jones & Peter Willet (eds), *Readings in Information Retrieval*, Morgan Kaufmann Publishers. pp. 317—322. 1997.
8. T. Strzalkowski and P. Scheyen. Evaluation of TTP parser: A Revised Report. In H. Bunt & M. Tomita (eds.) *Recent Advances in Parsing Technology*, Kluwer Academic Publishers. pp. 201—220. 1996.
9. T. Strzalkowski. A General Computational Method for Grammar Inversion. In T. Strzalkowski (ed.) *Reversible Grammar in Natural Language Processing*. Kluwer Academic Publishers, pp. 175—200. 1994

Technical Journal Papers

1. Rosa Mikeal Martey, Jennifer Stromer-Galley, Mia Consalvo, Jingsi Wu, Jaime Banks, and Tomek Strzalkowski. 2013. Communicating age in Second Life: The contributions of textual and visual factors. *New Media & Society*. First published online Sept 26, 2013.
2. Rosa Mikeal Martey, Kate Kenski, James Folkestad, Elana Gordis, Laurie Feldman, Nissim Kaufman, Samira Shaikh, Jennifer Stromer-Galley, Adrienne Shaw, Ben Clegg, and Tomek Strzalkowski. 2013. Five Constructs of Engagement: Comparisons in an Educational Video Game. *Simulation and Gaming* (forthcoming).

3. Rosa Mikeal Martey, Jennifer Stromer-Galley, Mia Consalvo, Kelly Reene, Tomek Strzalkowski, Michelle Weihmann-Purcell, Jingsi Wu, Kevin Shiflett, Jaime Banks, Sharon Small and Michael Ferguson. (2012) Acting your age online: Identifying user age from avatar chat, appearance, and behavior. *Journal of Computer-Mediated Communication*.
4. George Aaron Broadwell, Jennifer Stromer-Galley, Tomek Strzalkowski, Sarah Taylor, Umit Boz, Samira Shaikh, Liu Ting, and Nick Webb (2012) Modeling Socio-Cultural Phenomena in Discourse. *Journal of Natural Language Engineering*. Cambridge.
5. Sharon Small and Tomek Strzalkowski (2009). HITIQA: High-Quality Intelligence through Interactive Question Answering. *Journal of Natural Language Engineering*, Vol. 15 (1), pp. 31—54. Cambridge.
6. Diane Kelly, Nina Wacholder, Robert Rittman, Ying Sun, Paul Kantor, Sharon Small & Tomek Strzalkowski (2007). Using Interview Data to Identify Evaluation Criteria for Interactive, Analytical Question-Answering Systems. *Journal of the American Society for Information Science and Technology* (JASIST), vol. 58, No 7, pp. 1032-1043.
7. Nina Wacholder, Diane Kelly, Paul Kantor, Robert Rittman, Ying Sun, Bing Bai, Sharon Small, Boris Yamrom and Tomek Strzalkowski (2007). A Model for Quantitative Evaluation of an End-to-end Question Answering System. *Journal of the American Society for Information Science and Technology* (JASIST), vol. 58, No 8, pp. 1082-1099.
8. H. Hardy, T. Strzalkowski, M. Wu, C. Ursu, N. Webb, A. Biermann, R.B. Inouye, A. McKenzie (2006). The Amities System: Data-Driven Techniques for Automated Dialogue. *Speech Communication Journal*. Volume 48, Issues 3-4, Pages 354-373, Elsevier.
9. Ng, K.B., Kantor, P., Strzalkowski, T., Wacholder, N., Tang, R, Bai, B., Rittman, R., Song, P., Sun, Y. (2006) Automated Judgment of Document Qualities. *Journal of the American Society for Information Science and Technology* (JASIST), vol. 57. no. 9, pp. 1155—1164.
10. G. Stein, T. Strzalkowski and B. Wise. Interactive, Text-Based Summarization of Multiple Documents. *Computational Intelligence*, vol. 16(4), pp. 606—613. 2000. Blackwell Publishers.
11. J. Perez-Carballo and T. Strzalkowski. Natural Language Information Retrieval: Progress Report. *Information Processing & Management*, vol. 36, no. 1, pp. 155—178. 2000.
12. T. Strzalkowski. Natural Language Information Retrieval. *Information Processing & Management*. vol. 31, no. 3, pp. 397—417. 1995.
13. T. Strzalkowski. From Discourse to Logic: A Compositional Approach to Discourse Semantics. *Language Research*, pp. 143-162. Language Research Institute, Seoul, Korea, 1991.
14. T. Strzalkowski. Reversible logic grammars for natural language parsing and generation. *Computational Intelligence*, pp. 145-171. National Research Council of Canada, 1990.
15. T. Strzalkowski. An Algorithm for Inverting a Unification Parser into an Efficient Unification Generator. *Applied Mathematics Letters*. vol. 3, no. 1, pp. 93-96. Pergamon Press, 1990.
16. T. Strzalkowski and N. Cercone. Non-Singular Concepts in Natural Language Discourse. *Computational Linguistics*, MIT Press, pp. 171—187. 1989.
17. T. Strzalkowski and N. Cercone. A Framework for Computing Extra-Sentential References. *Computational Intelligence*, 2(4), National Research Council of Canada, pp. 159—179. 1986.
18. L. Bolc, A. Kowalski, M. Kozłowska and T. Strzalkowski. A Natural Language Information Retrieval System with Extensions towards Fuzzy Reasoning. *International Journal for Man-Machine Studies*, 23. Academic Press, pp. 335—367. 1985.
19. L. Bolc and T. Strzalkowski. Natural Language Interface to the Question-Answering System for Physicians. *Computers and Artificial Intelligence*. 3(1). VEDA Bratislava (1984), pp. 31-46.
20. L. Bolc and T. Strzalkowski. Automatic Transformation of Medical Texts to a Deductive Data Base. *Linguistica Computazionale*, vol. 3 (1983), pp. 31—38.

Refereed Technical Conference Papers

1. Samira Shaikh, Tomek Strzalkowski, Kit Cho, Ting Liu, Laurie Feldman, Sarah Taylor, Boris Yamrom, Ching-Sheng Lin, Ning Sa, Ignacio Cases, Yuliya Peshkova and Kyle Elliot. *Discovering*

- Conceptual Metaphors using Source Domain Spaces*. Proceedings of CogALex-IV workshop at COLING-2014, Dublin.
2. Tomek Strzalkowski, Samira Shaikh, Kit Cho, George Aaron Broadwell, Laurie Feldman, Sarah Taylor, Boris Yamrom, Ting Liu, Ignacio Cases, Yuliya Peshkova, and Kyle Elliot (2014) *Computing Affect in Metaphors*. Proceedings of the 2nd workshop on Metaphor in NLP, ACL-2014 Conference, Baltimore MD.
 3. Clegg, B. A., Martey, R. M., Stromer-Galley, J., Kenski, K., Saulnier, E., Folkestad, J. E., McLaren, E., Shaw, A., Lewis, J. E., Patterson, J. D., & Strzalkowski, T. (2014). *Game-based training to mitigate three forms of cognitive bias*. Interservice/Industry Training, Simulation and Education Conference (I/ITSEC), Orlando, FL.
 4. Rosa Mikeal Martey, Adrienne Shaw, Jennifer Stromer-Galley, Kate Kenski, Ben Clegg, James Folkestad, Tobi Saulnier and Tomek Strzalkowski (2014) Testing the Power of Game Lessons: The Effects of Art and Narrative on Reducing Cognitive Biases. DIGRA-2014.
 5. Ting Liu, Kit Cho, George Aaron Broadwell, Samira Shaikh, Tomek Strzalkowski, John Lien, Sarah Taylor, Laurie Feldman, Boris Yamrom, Nick Webb, Umit Boz and Ignacio Cases (2014) Automatic Expansion of the MRC Psycholinguistic Database Imageability Ratings. LREC Conference, Reykjavik.
 6. Samira Shaikh, Tomek Strzalkowski, Ting Liu, George Aaron Broadwell, Boris Yamrom, Sarah Taylor, Laurie Feldman, Kit Cho, Umit Boz, Ignacio Cases, Yuliya Peshkova and Ching-Sheng Lin (2014) A Multi-Cultural Repository of Automatically Discovered Linguistic and Conceptual Metaphors. LREC Conference, Reykjavik.
 7. Sarah Taylor, Laurie Beth Feldman, Kit Cho, Samira Shaikh, Ignacio Cases, Yuliya Peshkiva, George Aaron Broadwell Ting Liu, Umit Boz, Kyle Elliott, Boris Yamrom, and Tomek Strzalkowski (2014). Extracting Understanding from automated metaphor identification: Contrasting Concepts of Poverty across Cultures and Languages. AHFE Conference, Cracow, Poland.
 8. Rosa Mikeal Martey, Kate Kenski, James Folkestad, Elana Gordis, Laurie Feldman, Nissim Kaufman, Samira Shaikh, Jennifer Stromer-Galley, Adrienne Shaw, Ben Clegg, and Tomek Strzalkowski. 2013. Serious efforts at bias reduction: The effects of digital games and avatar customization on three cognitive biases. Proceedings of National Communication Association Conference (NCA-2013).
 9. Ching-Sheng Lin, Samira Shaikh, Jennifer Stromer-Galley, Jennifer Crowley, Tomek Strzalkowski, Veena Ravishankar. 2013. Topical Positioning: A New Method for Predicting Opinion Changes in Conversation. Proceedings of the Language Analysis in Social Media workshop, NAACL 2013 Conference, Atlanta, GA.
 10. Tomek Strzalkowski, George Aaron Broadwell, Sarah Taylor, Laurie Feldman, Boris Yamrom, Samira Shaikh, Ting Liu, Kit Cho, Umit Boz, Ignacio Cases and Kyle Elliott. 2013. Robust Extraction of Metaphors from Novel Data. Proceedings of NAACL Workshop on Metaphors in NLP. Atlanta, GA.
 11. Tomek Strzalkowski, Samira Shaikh, Ting Liu, George Aaron Broadwell, Jenny Stromer-Galley, Sarah Taylor, Veena Ravishankar, Umit Boz and Xiaoai Ren. 2013. Influence and Power in Group Interactions. SBP-2013 Conference, Washington, DC. April 3-5, 2013
 12. George Aaron Broadwell, Umit Boz, Ignacio Cases, Tomek Strzalkowski, Laurie Feldman, Sarah Taylor, Samira Shaikh, Ting Liu, Kit Cho. 2013. Using Imageability and Topic Chaining to Locate Metaphors in Linguistic Corpora. SBP-2013 Conference, Washington, DC. April 3-5, 2013.
 13. Ken Stahl and Tomek Strzalkowski (2013) Hedge Detection using a Rewards and Penalties Approach. Proceedings of the AAAI Spring Symposium, Stanford CA.
 14. Tomek Strzalkowski, George Aaron Broadwell, Jennifer Stromer-Galley, Samira Shaikh, and Sarah Taylor (2012) Modeling Leadership and Influence in Online Multi-Party Discourse. COLING-2012 Conference, Mumbai, India.

15. Sarah M. Taylor, Ting Liu, Samira Shaikh, Tomek Strzalkowski, Aaron Broadwell, Jennifer Stromer-Galley, Umit Boz, Xiaoi Ren and Jingsi Wu (2012) Chinese and American Leadership Characteristics. Proceedings of Sixth IEEE International Conference on Semantic Computing September 19-21, 2012 Palermo, Italy.
16. Samira Shaikh, Tomek Strzalkowski, Jenny Stromer-Galley, George Aaron Broadwell, Sarah Taylor, Ting Liu and Veena Ravishankar (2012) Modeling Influence in Online Multi-Party Discourse. Proceedings of 2nd International Conference on Social Computing and its Applications (SCA2012), 1-3 November 2012, Xiangtan, Hunan, China.
17. Zumur Akcam, Ching-Sheng Lin, Samira Shaikh, Sharon Small, Ken Stahl, Tomek Strzalkowski and Nick Webb (2012) Revealing Contentious Concepts Across Social Groups. LREC 2012 Conference, Istanbul.
18. Ting Liu, Samira Shaikh, Tomek Strzalkowski, Aaron Broadwell, Jennifer Stromer-Galley and Sarah Taylor (2012) Extending the MPC corpus to Chinese and Urdu - A Multiparty Multi-Lingual Chat Corpus for Modeling Social Phenomena in Language. LREC 2012 Conference, Istanbul.
19. Ting Liu and Tomek Strzalkowski (2012) Bootstrapping Events and Relations from Text. Proceedings of the EACL-2012 Conference, Avignon, France.
20. Broadwell, George Aaron, Umit Boz, Jennifer Stromer-Galley, Tomek Strzalkowski, Samira Shaikh, Sarah Taylor, Xiaoi Ren and Ting Liu. 2012. Assessing Group Cohesion in Task-based Online Dialogues: A quantitative study. *Georgetown University Round Table on Language & Linguistics, Washington, D.C.*
21. Small, Sharon, Jennifer Stromer-Galley and Tomek Strzalkowski (2011) Multi-Modal Annotation of Quest Games in Second Life. Proc. of ACL-2011, Portland.
22. Shaikh, Samira, Tomek Strzalkowski, and Nick Webb (2011) Modeling Socio-Cultural Phenomena in Urdu Multi-party Discourse. Proceedings of KDIR-2011, Paris.
23. Tomek Strzalkowski, George Aaron Broadwell, Jennifer Stromer-Galley, Samira Shaikh, Ting Liu, Sarah Taylor (2011) *Detecting Leadership in Online Multi-party Discourse*. In Proceedings of the Analyzing Microtext Workshop at the Association for the Advancement of Artificial Intelligence Conference, San Francisco, CA.
24. Rosa Mikeal Martey, Jennifer Stromer-Galley, Mia Consalvo, Kelly Reese, Tomek Strzalkowski, Michelle Weihmann-Purcell, Jingsi Wu, Kevin Shiflett, Jaime Banks, Sharon Small and Michael Ferguson. (2011) Acting your age online: Identifying user age from avatar chat, appearance, and behavior. Proc. 97th annual conference of the National Communication Association, New Orleans.
25. Jennifer Stromer-Galley, Rosa Mikeal Martey, Kelly Reese, Mia Consalvo, Michelle Weihmann-Purcell, Tomek Strzalkowski, Kevin Shiflett, Jingsi Wu, Jaime Banks, Sharon Small and Michael Ferguson. (2011) Identifying social conformists in a virtual world. Proc. 12th annual conference of the Association of Internet Researchers (AoIR), Seattle.
26. Rosa Mikeal Martey, Jennifer Stromer-Galley, Mia Consalvo, Kelly Reese, Tomek Strzalkowski, Michelle Weihmann-Purcell, Kevin Shiflett, Jingsi Wu, Jaime Banks, Sharon Small and Michael Ferguson. (2011) Gamer culture versus the culture of the game: An analysis of player behavior and gamer identity in Second Life. Proc. 12th annual conference of the Association of Internet Researchers (AoIR), Seattle.
27. Mike Ferguson, Nick Webb and Tomek Strzalkowski (2011) Nelson: A Low-Cost Social Robot for Research and Education. Proceedings of SIGCSE 2011, 42nd ACM Technical Symposium on Computer Science Education, Dallas.
28. Tomek Strzalkowski, George Aaron Broadwell, Jennifer Stromer-Galley, Samira Shaikh, Sarah Taylor, Umit Boz, Alana Elia, Laura Jiao, Ting Liu and Nick Webb (2011) Discovering Socio-Cultural Phenomena in Discourse. HSCB Focus 2011 Conference, Washington DC.
29. Broadwell, G.A., Boz, U., Strzalkowski, T., Stromer-Galley, J., Shaikh, S., Taylor, S., Webb, N., & Liu, T. (2010) Detecting discourse roles in online dialogues: A quantitative approach. The 16th SLOAN Consortium International Conference on Online Learning, Orlando, Florida.

30. Tomek Strzalkowski, George Aaron Broadwell, Jennifer Stromer-Galley, Samira Shaikh, Sarah Taylor and Nick Webb (2010) Modeling Socio-Cultural Phenomena in Discourse. Proc. of COLING-2010 Conference, Beijing, China.
31. Samira Shaikh, Tomek Strzalkowski and Nick Webb (2010) VCA: An Experiment With A Multiparty Virtual Chat Agent. ACL Workshop on Companionable Systems. Uppsala, Sweden.
32. Sharon G. Small, Tomek Strzalkowski (2010) (Tacitly) Collaborative Question Answering Utilizing Web Trails. LREC Workshop on Web Logs and Question Answering. Malta.
33. Samira Shaikh, Tomek Strzalkowski, Aaron Broadwell, Jennifer Stromer-Galley, Sarah Taylor, and Nick Webb (2010) MPC: A Multi-Party Chat Corpus For Modeling Social Phenomena In Discourse. Proc. of LREC-2010 Conference, Malta.
34. Samira Shaikh, Tomek Strzalkowski and Sarah Taylor (2009) Comparing an Integrated QA system performance - A Preliminary Model. Proceedings of PACLING Conference, Sapporo, Japan.
35. Sarah Taylor and Tomek Strzalkowski (2008) Research Issues in the Discovery and Analysis of Significant Events. Proceedings of the INSA Research in America Summit, State College, PA.
36. Min Wu and Tomek Strzalkowski (2007) Utilizing Entity Relation to Bridge the Language Gap in Cross-Lingual Question Answering System. Proceedings of the NTCIR 2007 Conference, Tokyo, Japan.
37. Min Wu, Chen Song, Yu Zhan, and Tomek Strzalkowski (2007). UAlbany's ILQUA at TREC2007. Proceedings of the Text Retrieval Conference (TREC-2007). NIST, Gaithersburg.
38. H. Hardy, V. Kanchakouskaya, and T. Strzalkowski (2006). Automatic Event Classification Using Surface Text Features. Proceedings of the *AAAI Workshop on Event Extraction and Synthesis*, Boston MA.
39. Wu, M., Strzalkowski, T. (2006). Using Co-Occurrence of Answers in Question Answering. Proceedings of the *Conference of the Association for Computational Linguistics*, Sydney Australia.
40. Strzalkowski, T., S. Small, H. Hardy, B. Yamrom, T. Liu, P. Kantor, K.B. Ng, N. Wacholder. HITIQA: A Question Answering Analytical Tool, *Proceedings of International Conf. On Intelligence Analysis*, McLean, VA. May 2-4, 2005.
41. Nick Webb, Hilda Hardy, Cristian Ursu, Min Wu, Yorick Wilks, and Tomek Strzalkowski (2005). Data-Driven Language Understanding for Spoken Language Dialogue. *Proceedings of the AAAI Workshop on Spoken Language Understanding*. Pittsburgh, PA.
42. Sharon Small, Tomek Strzalkowski, Ting Liu, Sean Ryan, Robert Salkin, Nobuyuki Shimizu, Paul Kantor, Diane Kelly, Nina Wacholder (2004). HITIQA: Towards Analytical Question Answering. Proceedings of *COLING 2004 Conference*, Geveva, Switzerland, pp. 1291-1297.
43. Sun, Y., Kantor, P., Strzalkowski, T. Wacholder, N. and Rittman, R. (2004). Cross Evaluation - a pilot application of a new evaluation mechanism. The Proceedings of the *2004 Annual Meeting of American Society for Information Science and Technology*, pp. 338-348.
44. Bai, B., Ng, K. B., Sun, Y., Kantor, P., and Strzalkowski, T. (2004). The Institutional Dimension of Document Quality Judgments. *Proceedings of the 67th Annual Meeting of the American Society for Information Science and Technology*, pp. 465-474.
45. Rittman, R., Wacholder, N., Kantor, P., Ng, K. B., Strzalkowski, T., & Sun, Y. (2004). Adjectives as indicators of subjectivity in documents. Proceedings of the *67th Annual Meeting of the American Society for Information Science and Technology*, pp. 349-359.
46. H. Hardy, T. Strzalkowski, M. Wu, C. Ursu, N. Webb, A. Biermann, B. Inouye, A. McKenzie (2004) Data-Driven Strategies for an Automated Dialogue System. Proceedings of the *ACL 2004 Conference*, Barcelona, Spain, pp. 71-78.
47. S. Small and T. Strzalkowski (2004) HITIQA: A Data Driven Approach to Interactive Analytical Question Answering. Proceedings of *Human Language Technology Conference*, Boston, pp. 53-56.
48. S. Small, T. Strzalkowski, T. Janack, T. Liu, S. Ryan, R. Salkin, N. Shimizu, P. Kantor, D. Kelly, R. Rittman, N. Wacholder and B. Yamrom (2004) HITIQA: Scenario Based Question Answering. Proceedings of the *HLT/NAACL Workshop on Pragmatics of Question Answering*. Boston, MA, pp. 52-59.

49. N. Wacholder, S. Small, B. Bai, D. Kelly, R. Rittman, S. Ryan, R. Salkin, P. Song, Y. Sun, L. Ting, P. Kantor, and T. Strzalkowski (2004) Designing a Realistic Evaluation of an End-to-end Interactive Question Answering System. *Proceedings of LREC Conference*, Lisbon, pp. 271–276.
50. Min Wu, Xiaoyu Zheng, Michelle Duan, Ting Liu, Tomek Strzalkowski: Questioning Answering By Pattern Matching, Web-Proofing, Semantic Form Proofing. *TREC 2003*: pp. 578-585.
51. Tang, R., Ng, K.B., Strzalkowski, T, and Kantor, P. (2003). Toward machine understanding of information quality. *Proceedings of 2003 Annual Meeting of American Society for Information Science and Technology*. Medford, NJ: Information Today, Inc, pp. 213-220.
52. Ng, K.B., Kantor, P., Tang, R, Rittman, R., Small, S., Song, P., Strzalkowski, T. Sun, Y. and Wacholder, N. (2003) Identification of effective predictive variables for document qualities. *Proceedings of 2003 Annual Meeting of American Society for Information Science and Technology*. Medford, NJ: Information Today, Inc, pp. 221-229.
53. Hilda Hardy, Kirk Baker, H el ene Bonneau-Maynard, Laurence Devillers, Sophie Rosset, and Tomek Strzalkowski. (2003) Semantic and Dialogic Annotation for Automated Multilingual Customer Service. *Eurospeech-2003 Conference*, Geneva, pp. 821-824.
54. Sharon Small, Ting, Liu, Nobuyuki Shimizu, and Tomek Strzalkowski (2003). HITIQA: An Interactive Question Answering System. *Proceedings of ACL 2003 Workshop on Multilingual Summarization and Question Answering – Machine Learning and Beyond*, Sapporo, Japan, pp. 46-53.
55. Sharon G. Small, Nobuyuki Shimizu, Tomek Strzalkowski, Liu Ting and Boris Yamrom (2003). Multimodal, Interactive Question Answering” *Proceedings of Pacific Association for Computational Linguistics (PACLING-2003)*, Halifax, NS, pp. 325-334.
56. Rong Tang, K.B. Ng, Tomek Strzalkowski and Paul Kantor (2003). Automatic Prediction of Information Quality in News Documents. *Proceedings of HLT-NAACL 2003*, Edmonton, Canada, May 27-June 1, pp. 97-99.
57. Hilda Hardy and Tomek Strzalkowski (2003). Dialogue Management for an Automated Multilingual Call Center. *Dialogue Processing Workshop, HLT-NAACL 2003*, Edmonton, Canada, pp. 10-12
58. Sharon Small, Nobuyuki Shimizu, Tomek Strzalkowski and Liu Ting (2003). HITIQA: A Data Driven Approach to Interactive Question Answering: A Preliminary Report. *Proceedings of AAAI Spring Symposium on Advances in Question Answering*, Stanford, CA. March 2003. pp. 94-104.
59. H. Hardy, N. Shimizu, T. Strzalkowski, L. Ting, B. Wise and X. Zhang (2002). Cross-Document Summarization by Concept Classification. *Proceedings of SIGIR-2002 Conference*, Tampere, Finland, pp. 121-128.
60. Hilda Hardy, Kirk Baker, Laurence Devillers, Lori Lamel, Sophie Rosset, Tomek Strzalkowski, Cristian Ursu, Nick Webb (2002). Multi-layer Dialogue Annotation for Automated Multilingual Customer Service. *Proceedings of ISLE Workshop*, Edinburgh, UK, Dec. 12, 2002, pp. 45-49.
61. H. Hardy, N. Shimizu, T. Strzalkowski, L. Ting, B. Wise and X. Zhang (2002). Cross-Document Summarization by Concept Classification: a preliminary report. *Proceedings of Human Language Technology Conference*, San Diego, CA, pp. 235-240.
62. H. Hardy, N. Shimizu, T. Strzalkowski, L. Ting, X. Zhang and B. Wise (2001). XDoX: Cross-Document Summarization at DUC. *Proceedings of Document Understanding Conference (DUC), a SIGIR'01 workshop*, New Orleans, LA., pp. 49-56.
63. A. Bagga, and T. Strzalkowski. Using Terminology in a Spoken Dialogue System for Identifying Medical Parts. In *Proceedings of the Terminology Resources and Computation Workshop at the Second International Conference on Language Resources and Evaluation (LREC-2000)*, pp. 71–75. 2000.
64. G. Stein, T. Strzalkowski, B. Wise, A. Bagga, Evaluating Summaries for Multiple Documents in an Interactive Environment. *Proceedings of International Conference on Language Resources and Evaluation (LREC-2000)*. Athens, Greece, June 2000. pp. 271–276.
65. A. Bagga, G. Stein, and T. Strzalkowski. FidelityXPress: A Multi-Modal System for Financial Transaction. *Proceedings of the RIAO-2000, 6th International Conference on Intelligent Multimedia, Information Retrieval Systems and Management*, Paris, 2000, pp. 803–811.

66. T. Strzalkowski. Towards the Next Generation Information Retrieval. Proceedings of the *RLAO-2000*, 6th International Conference on Intelligent Multimedia, Information Retrieval Systems and Management, Paris, April, 2000, pp. 1196—1207.
67. A. Bagga, T. Strzalkowski, B. Wise. PartsId: A Dialogue-Based System for Finding Parts for Medical Systems. Proceedings of 6th Applied Natural Language Conference (*ANLP-2000*), Seattle, WA, May, 2000, pp. 182—190.
68. T. Strzalkowski, J. Perez-Carballo, P. Tapanainen, A. Hulth, B. Wise, and G. Stein. Natural Language Information Retrieval: TREC-8 Report. Proceedings of the *8th Text Retrieval Conference*, Gaithersburg, Md. November 16-19, 1999, pp. 275—285.
69. T. Strzalkowski, G. Stein and G.B. Wise. Summarizing Multiple Documents Using Text Extraction and Interactive Clustering. Proceedings of the *PACLING Symposium on Computational Linguistics*, Waterloo, Canada, 1999, pp. 32—41.
70. T. Strzalkowski, G. Stein and G.B. Wise. GE.Tracker: A Robust, Lightweight Topic Tracking System. Proceedings of *DARPA Broadcast News Workshop*, Herndon Va. 1999, pp. 71—81.
71. T. Strzalkowski, G. Stein, B. Wise, J. Perez-Carballo, P. Tapanainen, T. Jarvinen, A. Voutilainen, and J. Karlgren. Natural Language Information Retrieval: TREC-7 Report. Proceedings of *7th Text Retrieval Conference (TREC-7)*. 1998, pp. 164-173.
72. T. Strzalkowski, G. Stein, B. Wise. Enhancing Detection through Linguistic Indexing and Topic Expansion. Proceedings of Tipster Phase III. Morgan Kaufmann. 1998, pp. 139—150.
73. T. Strzalkowski, G. Stein, B. Wise. A Text-Extraction Based Summarizer. Proceedings of Tipster Phase III, Morgan-Kaufmann. 1998, pp. 223—232.
74. G. Stein and T. Strzalkowski. Improving Speech Recognition via NLP: Automatic Transcription of Radiology Reports. Proceedings of the *International Conference on Natural Language Processing and Industrial Applications*, 1998, Moncton, New Brunswick, Canada, pp. 72—81.
75. T. Strzalkowski, J. Wang and B. Wise. Summarization-based Query Expansion in Information Retrieval. Proceedings of *Coling-ACL'98*, Montreal. 1998, pp. 1258—1264.
76. T. Strzalkowski, J. Wang and B. Wise. A Robust, Practical Text Summarization. Proceedings of *AAAI Spring Symposium*, Stanford University. 1998, pp. 28-33.
77. T. Strzalkowski, J. Wang and B. Wise. Robust Practical Text Summarization. Proceedings of *AIPA Symposium*, McLean, Va. 1998.
78. Tomek Strzalkowski, Fang Lin, Jose Perez Carballo. Natural Language Information Retrieval TREC-6 Report. *TREC 1997*: pp. 347-366.
79. T. Strzalkowski, M. Osborn and M. Marinescu. Evaluating Document Retrieval in Patent Database: a preliminary report. Proceedings of the *Sixth International Conference on Information and Knowledge Management*, Las Vegas, NV, 1997, pp. 127—132.
80. T. Strzalkowski and R. Brandow. A Natural Language Correction Model for Continuous Speech Recognition. Proceedings of *5th Workshop on Very Large Corpora (WVLC-5)*, Beijing—Hong Kong, 1997, pp. 61—73.
81. T. Strzalkowski. Building Effective Queries in Natural Language Information Retrieval. Proceedings of the *5th Applied Natural Language Conference (ANLP-97)*, Washington, DC. 1997. pp. 299—306.
82. K. Sparck-Jones and T. Strzalkowski. NLP Track at TREC-5. Proceedings of the *5th Text REtrieval Conference*. NIST Special Publication. pp. 97-102. 1996.
83. T. Strzalkowski, L. Guthrie, J. Perez-Carballo, F. Lin, J. Wang, J. Leistensnider, J. Karlgren, J. Wilding, and T. Straszheim. Natural Language Information Retrieval: TREC-5 report. *The Fifth Text Retrieval Conference (TREC-5)*. NIST Special Publication 500-238. pp. 291-314. 1996.
84. T. Strzalkowski. Natural Language Information Retrieval: TIPSTER-2 Final Report. *Advances in Text Processing Tipster Program Phase II*. Morgan Kaufmann. 1996. pp. 143-148.
85. L. Guthrie, F. Lin T. Strzalkowski, and J. Wang. Integration of Document Detection and Information Extraction. *Advances in Text Processing Tipster Program Phase II*. Morgan Kaufmann. 1996. pp. 195-200.

86. T. Strzalkowski and J. Wang. A Self-Learning Universal Concept Spotter. Proceedings of *Coling-96*, Copenhagen, Denmark. 1996. pp. 931-936.
87. T. Strzalkowski and R. Brandow. Spotting Technical Concepts in Natural Language Text. Proceedings of *FLAIRS-96 workshop on Real Natural Language Processing*, Orlando, FL. 1996, pp. 121—131.
88. T. Strzalkowski, J. Perez-Carballo and M. Marinescu. Natural Language Information Retrieval in Digital Libraries. Proceedings of the *ACM Digital Libraries conference*. 1996. pp. 117-125.
89. T. Strzalkowski, J. Perez-Carballo and M. Marinescu. Natural Language Information Retrieval: TREC-4 report. *The Fourth Text Retrieval Conference (TREC-4)*. NIST Special Publication 500-236. 1996. pp. 245-258.
90. T. Strzalkowski, J. Perez-Carballo and M. Marinescu. Natural Language Information Retrieval: TREC-3 report. *The Third Text Retrieval Conference (TREC-3)*. 1995. pp. 39-53.
91. T. Strzalkowski. Robust Text Processing in Automated Information Retrieval. Proceedings of *4th Applied Natural Language Processing Conference*, Stuttgart, 1994. pp. 168-173.
92. T. Strzalkowski. Document Indexing and Retrieval using Natural Language Processing. Proceedings of *RLAO'94*, 4th International Conference on Intelligent Multimedia, Information Retrieval Systems and Management, New York, NY, 1994. pp. 131-145.
93. T. Strzalkowski. Building a Lexical Domain Map From Text Corpora. Proceedings of *COLING-94*, 15th Int. Conference on Computational Linguistics, Kyoto, Japan, 1994. pp. 604-610.
94. T. Strzalkowski. Document Representation in Natural Language Text Retrieval. Proceedings of *ARPA Human Language Technology Workshop*, Princeton, NJ. 1994. pp. 364-369.
95. T. Strzalkowski and J. Perez-Carballo. Recent Developments in Natural Language Text Retrieval. Proceedings of *Second Text Retrieval Conference (TREC-2)*, Gaithersburg, Md, 1993.
96. T. Strzalkowski and P. Scheyen. Evaluation of TTP parser: A Preliminary Report. Proceedings of the *International Workshop on Parsing Technologies*, Tilburg, Netherlands and Durbuy, Belgium, 1993.
97. T. Strzalkowski. Robust Text Processing in Automated Information Retrieval. Proceedings of *ACL workshop on Very Large Corpora*, Academic and Industrial Perspectives. Columbus, Ohio, 1993.
98. T. Strzalkowski. Natural Language Processing in Large-Scale Text Retrieval Tasks. *First Text Retrieval Conference (TREC-1)*, NIST Special Publication 500-207, March 1993, pp. 173-188.
99. T. Strzalkowski and B. Vauthey. Information Retrieval Using Robust Natural Language Processing. *30th Annual Meeting of the ACL*, Newark, Delaware, 1992. pp. 104-111.
100. M. Martinovic and T. Strzalkowski. Comparing Two Grammar-Based Generation Algorithms: A Case Study. *30th Annual Meeting of the ACL*, Newark, Delaware, 1992. pp. 81-88.
101. T. Strzalkowski. TTP: A Fast and Robust Parser for Natural Language. 14th International Conference on Computational Linguistics (*COLING'92*), Nantes, France, 1992. pp. 198-204.
102. T. Strzalkowski. Information Retrieval Using Robust Natural Language Processing. Proceedings of the *5th DARPA Speech and Natural Language Workshop*, Morgan-Kaufman, 1992. pp. 206-211.
103. T. Strzalkowski. Robust Natural Language Processing and Intelligent Information Retrieval. Position paper at the *IRIS B4 Workshop on Design and Human Interfaces*, Vancouver, B.C., 1992. pp. 13-22.
104. T. Strzalkowski. A General Computational Method for Grammar Inversion. *ACL Workshop on Reversible Grammar in Natural Language Processing*, Berkeley, CA, 1991. pp. 91-99.
105. P. Harrison, S. Abney, E. Black, D. Flickinger, C. Gdaniec, R. Grishman, D. Hindle, R. Ingria, M. Marcus, B. Santorini and T. Strzalkowski. Evaluating syntax performance of parser/grammars. Proceedings of the *Natural Language Processing Systems Evaluation Workshop*, Berkeley, CA, 1991. pp. 71-77.
106. T. Strzalkowski and B. Vauthey. Fast Text Processing for Information Retrieval. *4th DARPA Speech and Natural Language Workshop*, Pacific Grove, CA, 1991. Morgan-Kaufman. pp. 346-351.
107. S. Abney, E. Black, D. Flickinger, C. Gdaniec, R. Grishman, P. Harrison, D. Hindle, B. Ingria, F. Jelinek, J. Klavans, M. Liberman, M. Marcus, S. Roukos, B. Santorini and T. Strzalkowski. A Procedure for Quantitatively Comparing the Syntactic Coverage of English Grammars. *4th*

- DARPA Speech and Natural Language Workshop*, Pacific Grove, CA, 1991. Morgan-Kaufman. pp. 306-311.
- 108.R. Grishman and T. Strzalkowski. Information Retrieval and Natural Language Processing. Position paper at the *NSF Invitational Workshop on Future Directions in Text Analysis, Retrieval, and Understanding*. 1991.
- 109.T. Strzalkowski. A Compositional Approach to Discourse Semantics. International Conference on Natural Language Processing (*SICONLP/90*), Seoul, Korea, 1990, pp. 69-77.
- 110.T. Strzalkowski. A Meaning Representation for Generic Sentences. International Symposium on Computational Intelligence (*CI-90*). Milano, Italy, 1990, Elsevier. pp. 215-221.
- 111.T. Strzalkowski. How to invert a natural language parser into an efficient generator: an algorithm for logic grammars. 13th International Conference on Computational Linguistics (*COLING*). Helsinki, Finland, 1990, pp. 347-352.
- 112.T. Strzalkowski and P. Peng. Automated inversion of logic grammars for generation. *28th Annual Meeting of the ACL*, Pittsburgh, PA, June 1990, pp. 212-219.
- 113.P. Peng and T. Strzalkowski. An implementation of a Reversible Grammar. *8th Canadian Conference on Artificial Intelligence*, Ottawa, May 1990, pp. 121-127.
- 114.T. Strzalkowski. Extra-Sentential Dependencies, Meaning Representation, and Generics. 4th Portuguese Conference on Artificial Intelligence (*EPLA-89*), Lisbon, Portugal, 1989. In: *Lecture Notes in Artificial Intelligence*. Springer (1989), pp. 210-221.
- 115.T. Strzalkowski. An Approach to Non-Singular Terms in Discourse. 11th International Conference on Computational Linguistics (*COLING*) Bonn, West Germany, 1986. pp. 362-364.
- 116.T. Strzalkowski. Representing Inter-Sentential Dependencies in Discourse. *6th Canadian Conference on Artificial Intelligence (CSCSI)*, Montreal, Canada, 1986. pp. 57-61.
- 117.T. Strzalkowski and N. Cercone. A Framework for Computing Extra-Sentential References. *Theoretical Approaches to Natural Language Understanding Workshop*, Halifax, NS, 1985, pp. 107-116.
- 118.N. Cercone, R. Hadley, F. Martin, P. McFetridge and T. Strzalkowski. Designing and Automating the Quality Assessment of a Knowledge-Based System. *IEEE Workshop on Principles of Knowledge-Based Systems*, Denver, 1984. pp. 193-204.
- 119.L. Bolc, K. Kochut, P. Rychlik and T. Strzalkowski. Deductive Question Answering System DIALOG. In I. Plander (ed.), *3rd International Conference on Artificial Intelligence*. Smolenice, 1984. pp. 17-24.
- 120.L. Bolc, K. Kochut, A. Lesniewski and T. Strzalkowski. Natural Language Information Retrieval System Dialog. *1st Conference of the European Chapter of the ACL*, Pisa, Italy, 1983. pp. 196-203.
- 121.L. Bolc and T. Strzalkowski. Transformation of Natural Language into Logical Formulas. 9th International Conference on Computational Linguistics (*COLING*), Prague, Czechoslovakia, 1982. pp. 29-36.
- 122.L. Bolc and T. Strzalkowski. Natural Language Interface to the Question-Answering System for Physicians. *2nd International Conference on Artificial Intelligence*, Smolenice, 1982, pp. 21-29.

Other Publications

- David Ferrucci, Eric Nyberg, James Allan, Ken Barker, Eric Brown, Jennifer Chu-Carroll, Arthur Ciccolo, Pablo Duboue, James Fan, David Gondek, Eduard Hovy, Boris Katz, Adam Lally, Michael McCord, Paul Morarescu, J. William Murdock, Bruce Porter, John Prager, Tomek Strzalkowski, Chris Welty, and Wlodek Zadrozny. (2009) Towards the Open Advancement of Question Answering Systems. IBM Research Report RC24789.
- Tomek Strzalkowski, Sharon Small, Samira Shaikh, Sarah Taylor, Ben-Ami Lipetz, Hilda Hardy, Nick Webb and Tony Cresswell (2007). Collaborative Analytical Workshop with COLLANE. Report submitted to the Intelligence Advanced Research Projects Activity (IARPA).
- Tomek Strzalkowski, Sharon Small, Sarah Taylor, Ben-Ami Lipetz, Hilda Hardy and Nick Webb (2006). Analytical Workshop with HITIQA. Report submitted to the Disruptive Technologies Office.

- J. Burger, C. Cardie, V. Chaudhri, R. Gaizauskas, S. Harabagiu, D. Israel, C. Jacquemin, CY. Lin, S. Maiorano, G. Miller, D. Moldovan, B. Ogden, J. Prager, E. Riloff, A. Singhal, R. Shrihari, T. Strzalkowski, E. Voorhees, R. Weischedel. (2000) Issues, Tasks and Program Structures to Roadmap Research in Question & Answering (Q&A). Commissioned by DARPA, ARDA and NSF. 2000.
- T. Strzalkowski. The Dialogue Game: Designing Task-Oriented Spontaneous Dialogue System for Automated Call Centers. Invited presentation at *3rd International Workshop on Human-Computer Conversation*, Bellagio, Italy, July 2000.
- Proceedings of Workshop on Reversible Grammar in Natural Language Processing. Published by the ACL. 1991.
- Review of Logical Form in Natural Language, by W. Lycan. *Computational Linguistics*, 13(3-4), 1987, pp. 339-340.
- More than 30 internal research reports at SFU, Boeing, NYU, Pace and GE.
- Lecture notes on Symbolic Computing (1986), Artificial Intelligence (1989), Natural Language Processing, (1990).

UALBANY COMMITTEE SERVICE

- UA Provost Advisory Committee on Information Science, 2001
- Steering Committee, Center for Computational and Applied Sciences (COMPASS), 2000-01
- WebCT Advisory Board 2001-2002
- Search Committee – Director of Information Science Ph.D. Program, 2002-03
- Fundraising Committee – CS Dept. 2002-04
- Search Committee: Dean of School of Information Science and Policy, 2002-2003
- Search Committee: Vice-President for Research, 2003-2004
- Faculty Search Committee: SISP 2003-2005
- Faculty Search Committee: CS 2006-2007
- Dean's Transition Committee: SISP 2003
- Researchers' Liaison Committee, 2003-2007
- IT Commons Steering Committee, 2004-2005
- IT Commons Research Committee, chair, 2004-2005
- SISP/CCI Research Coordinator, 2004-2006
- CTG Review Committee, Spring 2008.
- Committee on Academic Standing, 2008-2009
- Undergraduate Studies Committee, CSD, 2009-10

EXTERNAL PROFESSIONAL ACTIVITIES

- DARPA-TIDES Q&A Roadmap Committee, co-chair (2000-2001)
- TREC Q&A Track, co-chair. (1998-2000)
- Consultant for Boeing Computer Services, Bellevue, WA. (1985-86); TruJudge Inc., Chapel Hill, NC. (1993); Canadian Institute for Robotics and Intelligent Systems (1991-93)
- Adjunct Professor, Dept. of Computer Science, University of Western Ontario (1993-99)
- Chair, Organizing Committee, Reversible Grammar in Natural Language Processing workshop at ACL-91. (1991)
- Co-organizer, Parseval (parser/grammar evaluation) workshop (1991-1993).
- Paper reviews for conferences and journals, including: IJCAI, ACM SIGIR, COLING, ACL, EACL, ANLP, ICLP, Computational Intelligence, International Journal of Intelligent Systems, Transactions on Information Systems, Computers and the Humanities, Information Processing & Management, Information Retrieval.

- Program Committee service: ACL, COLING, ANLP, TREC, SNLP, PACLING, SIGIR, ECIR, HLT, AAAI, and others; continuously.
- Editorial Board, *Natural Language Engineering Journal*, Cambridge University Press. (since 2006)
- Scientific review panel service: Engineering and Physical Sciences Research Council (EPSRC, UK), Natural Sciences and Engineering Research Council (NSERC, Canada), National Science Foundation (NSF), European Commission IST Programme, National Institutes of Health (NIH), Defense Advanced Research Projects Agency (DARPA); continuously
- BCS Karen Sparck-Jones Award Committee, since 2009. Annual awards made to outstanding early career researchers in experimental IS/NLP research.
- Industry Advisory Board, Columbia/NYS Center for Advanced Technology (CAT) in Information Management (1999-2000)
- Professional Societies: AAAI, ACL, ACM, SIGIR, CSCSI/SCEIO.
- External Examiner on Ph.D. defenses: University of Nijmegen (Netherlands) (2001), University of Waterloo (Canada) (2002), Columbia University (2003).
- Keynote speaker, HLT workshop on Interactive Question Answering (2006)
- Invited panelist, Robots and Ethics, Schenectady Science Museum, 2006.
- Advances in Automated Question Answering (invited tutorial at AFRL, 2006)
- Invited Presentation and Demonstration, NSA Analysis Conference, Fort Meade, MD, 2007
- Invited Speaker, Intelligence Academic Summit, Williamsburg, VA 2007
- Invited Speaker, Intelligent Information Systems Conference, Zakopane, Poland, 2008.
- Faculty advisor, Student Research Workshop at ACL-2010, Uppsala, Sweden, 2010
- Invited Speaker, Intelligent Information Systems Conference, Siedlce, Poland, 2010.

PATENTS

- Patents awarded:
 1. A Natural Language Correction Model for Continuous Speech Recognition (with R. Brandow). May 2000;
 2. A Robust, Flexible Text Summarization (with G. Stein, G. Wise), June 2002.
 3. Method and system for automated maintenance and training instruction generation and validation (with S. Linthicum, R. Blue, C. Volpe, C. Silber, B. Yamrom, L. Hoebel), Nov 2004

INSTITUTE FOR INFORMATICS LOGICS AND SECURITY STUDIES (ILS)

- Established and equipped a state-of-the-art natural language research laboratory located at UAlbany East Campus. Fall 2000.
- Formed the Institute for Informatics, Logics and Security Studies (ILS) in December 2001. ILS is part of the SUNY's Office of VP Research. ILS is funded primarily from Federal sources and corporate grants.
- Established Albany-RPI Information Assurance Research Group (ARIA) 2001
- On the cover of University Update, February 2003. Article featuring ILS research and activities.
- Featured in University at Albany President report Fall 2002
- Featured in University at Albany Research Foundation Annual Report every issue since 2003
- Established Robotics Research and Education program at SUNY Albany, 2004.
- Article about the Robotics Program appeared in Albany Times Union, May 2004.
- Featured in UAlbany Alumni Magazine, Fall 2004, Fall 2008
- ILS featured in SUNY-wide Research New York, Crain's Report
- Robotics Program's ROBOSHOW: article in Times Union, May 2005; also featured in NBC News, Fox News, CBS and Channel 9 on May 10.

- Established Social Robotics Consortium in the Capital Region that includes SUNY Albany, RPI, Union College, SCCC and Schenectady Museum. The Consortium won NSF funding for developing innovative CS education (Nick Webb, PI).
- Multiple press, radio, and TV interviews in early 2011 about involvement in IBM Watson Jeopardy challenge; featured in IBM press release in February 2011.

 ILS LONG-TERM VISITORS

- Professor Dong-Yul Ra, Yonsei University, South Korea (2005-2006) – sabbatical leave

 GRADUATE STUDENT SUPERVISION

Current Ph.D. Students

- Samira Shaikh (2009—present, Ph.D. advisor, UAlbany)
- Zumrut Akcam (2011—present, Ph.D advisor, UAlbany)
- Ching-Sheng Lin (2011—present, Ph.D advisor, UAlbany)
- Jiuning Zhong (2012—present; Ph.D. advisor, UAlbany)

Graduated Ph.D. students

- Dr. Jose Perez-Carballo (1992-1994, co-advisor Ph.D. 1994, NYU)
 - Now Associate Professor at Cal State, Los Angeles
- Dr. Mihnea Marinescu (1993-1994, co-advisor 1995-1997, Ph.D. 1997, NYU)
 - Now at Silicon Valley, CA
- Dr. Nobuyuki Shimizu (2000-2006, co-advisor, Ph.D. 2006, UAlbany)
 - Now Assistant Professor, University of Tokyo
- Dr. Sharon Small (2002 – 2007, Ph.D. 2007 UAlbany)
 - Now Assistant Professor at Siena College
- Dr. Ting Liu (2002-2009, Ph.D. 2009, UAlbany)
 - Now senior research scientist at ILS

Other Students

- Miroslav Martinovic (1990-1992, Ph.D., Belgrade)
- Ping Peng (1990-1991, Ph.D., NYU)
- Barbara Vauthey (1991-1992, visiting associate, NYU)
- Lisa Braden-Harder (1992-1993, M.Sc., NYU)
- Mei Wei (1994-1995, M.Sc., Univ. of Western Ontario)
- Min Chen (1999-2001, Ph.D. external advisor, Columbia)
- Hilda Hardy (2000-2001, GA, M.Sc.; 2001—2007 Research Scientist, UAlbany)
- Xinyang Zhang (2001-2002, GA, M.Sc., UAlbany)
- Daniel Schreckling (2000-2001, M.Sc., UAlbany)
- Avi Arampatzis (2001; Ph.D. external advisor, Univ. of Nijmegen)
- Uzoma Enyinna (2002, GA, MSc, UAlbany)
- Dongxiao Zhang (2001, M.Sc., UAlbany)
- Hong Zhang (2001, M.Sc., UAlbany)
- Vlado Keselj (2002; Ph.D. external advisor, Univ. of Waterloo)
- Zhengyu Dai (2003, GA, MSc, UAlbany)
- Robert Salkin (2003 – 2005; GA, MSc. UAlbany)
- Tracy Janack (2003 – 2004; GA, Psychology, UAlbany)
- Mingyuan Duan (2003—2004, summer intern, CS, UAlbany)
- Xiaoyu Zheng (2003—summer intern, CS, UAlbany)

- Ben Carle (2004; GA, Computer Science, UAlbany)
- Samira Shaikh (2005—2006, GA, Computer Science, UAlbany)
- Vika Kanchakouskaya (2004—2006, UGA, CS, UAlbany)
- Sean Hannon (Spring 2005, UG Intern, Sienna College)
- Ryan Fischer (Spring 2005, UG Intern, Sienna College)
- Michael Loegering (Spring 2005, independent research, CS, UAlbany)
- Ashkhen Pogosyan (Spring 2005, independent study, SISP, UAlbany)
- Charlie Williams (Spring 2006, GA)
- Chen Song (2006—2007, GA, CS, UAlbany)
- Yu Zhan (2006—2010, GA, TA/Master Project, CS UAlbany)
- Joshua Choinsky (Spring 2008, Independent Study, CS, UAlbany)
- Leslie Wood (2005—2009, Ph.D. co-advisor, INF, UAlbany)
- Sunny Zhou (2005—2006, Ph.D. advisor, INF, UAlbany)
- Sean Ryan (2004—2006; Ph.D. committee, INF UAlbany)
- Pat Zongo (2008—2009, undergrad GA, CS UAlbany)
- Ken Stahl (2009—2010, graduate GA, CS UAlbany)
- Ed Kudlack (2010; graduate GA, CS UAlbany)
- Kerri Valesey (2009—2010; graduate GA/Anthropology; co-adv with Aaron Broadwell)
- Xin Shi (2009—2010; graduate GA; MS advisor)
- Laura Jiao (2010—2011; graduate GA; MS advisor)
- Amanda Danko (2010—2011, MS advisor)
- Roubo Wang (2010—2011; graduate GA; MS advisor)
- Long Chang Liang (2010-2011, MS advisor)
- Mike Fergusson (2008—2011; Ph.D. advisor, UAlbany)
- Min Wu (2002– 2009, GA, Ph.D. advisor, UAlbany)