

Kathleen McKeown

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Current position

Henry and Gertrude Rothschild Professor of Computer Science, Columbia University, New York

Research Interests

Computational Linguistics/Natural-Language Processing: Text Summarization; Language Generation; Social Media Analysis; Open-ended question answering; Sentiment Analysis

Education

1982	Ph.D., Computer and Information Science, University of Pennsylvania
1979	M.S., Computer and Information Science, University of Pennsylvania
1976	A.B., Comparative Literature, Brown University

Appointments held

2012-2018	Founding Director, Columbia Data Science Institute
2011-2012	Vice Dean for Research, School of Engineering and Applied Science
2005-present	Henry and Gertrude Rothschild Professor of Computer Science, Columbia University
1997-present	Professor, Columbia University
7/2003-12/2003	Acting Chair, Department of Computer Science, Columbia University
1997-2002	Chair, Department of Computer Science, Columbia University
1987-1997	Associate Professor, Columbia University
1982-1987	Assistant Professor, Columbia University

Faculty Mentoring

Computer Science Faculty Mentoring:

Individual faculty: Lydia Chilton, Carl Vondrick, Zhou Yu. Advised on research proposals and on tenure preparation. Prepared presentations on mentors Chilton and Yu for executive meetings on tenure and voting, prepared portions of tenure package and names of letter writers for Chilton and Yu. Wrote letters for awards for David Blei, Luca Carloni, Lydia Chilton, Stephen Edwards, Luis Gravano, Tony Jebara, Julia Hirschberg, Angelos Keromytis, Henning Schulzrinne

Dept Chair (1997-2002): Mentored all junior faculty on their progress and issues for improvement. During

this period, provided particular support for lecturer hires, Adam Cannon, Zach Grunshlag, and Andrew Kosoresow, advising on teaching as class enrollments became high, balance of research and teaching, and on job titles and housing. In addition, provided mentoring and support to Luis Gravano who considered leaving for Google as well as Shree Nayar who considered leaving for Stanford. Both faculty members were retained. Across the School of Engineering: led or participated in panels for women in engineering, with a particular focus on work life balance. I was the first woman to be tenured in SEAS and in the early years (1982-1992), there were few women.

Data Science Institute Founding Director: Led DSI exec hiring discussions and decisions providing input to SEAS on candidates who fit the DSI profile. As part of the contract with the city, 30 faculty were hired during this period. Also provided mentoring and assistance on connecting faculty with research needs to other faculty who could help.

Across the university: Provided mentoring to Desmond Patton (Social Work) on career decisions, tenure decisions, issues within social work and wrote letters for awards; to Noemie Elhadad as she considered whether to take on the role of Chair of the Department of Biomedical Engineering or pursue external possibilities; to Smaranda Muresan in several instances as she moved, but in particular as she applied for and considered taking a faculty position at Barnard.

Across the world: Provided mentoring and wrote letters for faculty in my field of natural language processing. I provided support particularly for junior women, but also advised many men. Participated in events for mentoring women faculty at conferences in my field (conference lunches and establishment of workshop for women in NLP). Since 2000, I have written 68 letters for faculty in my field for awards, tenure or new faculty positions.

Honors & awards

2023	Elected to the American Philosophical Society.
2023	IEEE Innovations in Societal Infrastructure Award, 2023.
2020	Keynote Speaker, Association for Computational Linguistics, Seattle, WA.
2019	Best paper award, Kedzie and McKeown, A Good Sample Is Hard to Find: Noise Injection Sampling and Self-Training for Neural Language Generation Models, in <i>Proceedings of the International Natural Language Generation Conference (INLG 2019)</i> , Tokyo, Japan, October 2019.
2019	Elected to the American Academy of Arts and Sciences.
2018	Keynote Speaker, ROCLING-18, Hsinchu, Taiwan.
2016	Keynote Speaker, International Semantic Web Conference, Kobe, Japan
2016	Grace Hopper Distinguished Lecture, University of Pennsylvania Philadelphia, Pa., Nov. 2016. Distinguished Lecturer, University of Edinburgh, Launch of the Centre for Doctoral Training in Data Science, Edinburgh, Scotland
2014	Keynote Speaker, 10th IEEE International Conference on eScience, Guarujá, Sao Paulo, Brazil, October
2013	Keynote Speaker, The 2013 Conference of the North American Association for Computational Linguistics
2012	Best paper award, Kristen Parton, Nizar Habash, Kathleen McKeown, Gonzalo Iglesias, and Adria de Gispert. Can Automatic Post-Editing Make MT More Meaningful? In Proceedings of the 16th Conference of the European Association for Machine Translation (EAMT), Trento, Italy
2011	Founding Fellow, Association of Computational Linguistics
2010	Columbia Great Teacher Award
2010	Anita Borg Woman of Vision Award for Innovation
2010	Best student paper award, Elson, D. and McKeown, K., “Automatic Social Network Extraction for Literary Fiction,” 48th Annual Conference of the Association for Computational Linguistics
2003	Fellow, Association for Computing Machinery
2000	Outstanding Woman Scientist, New York Association of Women in Science
1994	Fellow, American Association of Artificial Intelligence
2007	Invited speaker, CICLING-07, Mexico

- 2006 Invited speaker, INLG-06, Australia
 2000 Invited speaker, INLG-2000, Israel
 1997 Invited speaker, IJCAI-97, Japan
 1997 Invited speaker, ACSC-97 (Australian Computer Science Conference, Australia)
 1993 Invited speaker, PACLING-93, British Columbia
 1991 NSF Faculty Award for Women (5 years)
 1990 The Instructional Technology Research Award, presented by the American Society for Training and Development for an outstanding research contribution which impacts instructional technology practice, jointly with Steven K. Feiner, for “COMET: Generating Coordinated Multimedia Explanations,” a video
 1990 Best Paper Award, Feiner, S. and McKeown, K.R., Generating Coordinated Multimedia Explanations, IEEE Conference on AI Applications
 1985-1986 IBM Faculty Development Award
 1985 NSF Presidential Young Investigator Award (5 years)
 1983 American Society of Information Science award for outstanding Doctoral Dissertation
 1982 Rubinoff Award for outstanding achievement in the Doctoral Dissertation
 1978, 1979 IBM PhD Research Fellowship, awarded twice

Professional Activities

- 2023-2024 Area Chair, EMNLP; Senior Area Chair, COLING
 2022-2023 Area Chair, ACL
 2022 Organizer, Workshop on Creative Text Summarization
 2022-2025 Member, Advisory Board, ENGAGE, NSF National AI Institute, NC State.
 2021-2022 Senior Area Chair, ACL
 2020-2023 Member, ACL Nominating Committee
 2021 Co-organizer, International Workshop on Social Sensing at the International Conference on Web and Social Media.
 2018-2019 Co-Chair, Workshop on Interaction for AI, part of the CCC Roadmap for Artificial Intelligence
 2016-2019 Co-Chair, National Academies Roundtable on Data Science Post-secondary Education
 2017 Organizing Committee, Workshop on Challenges in Machine Generation of Automated Products from Multi-Source Data, National Academies of Science, Engineering and Medicine
 2018 Area Chair, Summarization and Generation, Association for Computational Linguistics
 2018 National Science Foundation Panel in CyberSystems
 2014-2109 Member, ACM Prize Award Committee
 2014 Member, Microsoft Research Faculty Award Committee
 2014 Organizing Committee, ACL Workshop on Language and Computational Social Science, Baltimore, MD
 2008 General Conference Chair, Association for Computational Linguistics Annual Conference
 2005-2009 Member, AAAI Newell Awards Committee
 2006 Co-Chair, AAAI-06 Senior Member Presentations
 2003-2004 CRA Undergraduate Research Awards Committee
 2001-2004 Secretary, Computing Research Association Board
 1999-2004 Computing Research Association Board Member
 1995-1997 Secretary/Treasurer, Association for Computational Linguistics
 1996-1999 Editorial Board, Free Speech Journal
 1993-1996 Editorial Board, Journal of Artificial Intelligence Research
 1993-1995 Nominating Committee, Association for Computational Linguistics
 1992-1993 President, Association for Computational Linguistics
 1982-present program committee on all ACL related conferences: ACL, NAACL, EMNLP, COLING.

Research Activities

Currently directing five PhD graduate students. PhD students are Amith Ananthram, Nick Deas, Zachary Horvitz, Melanie Subbiah, Yunfan Zhang.

Graduated Students

1. Feit-zin Lee, 2024, Bloomberg
2. Elsbeth Turcan, 2024, Applied Physics Lab, Johns Hopkins University
3. Emily Allaway, 2024, University of Edinburgh, Lecturer.
4. Yanda CHen, 2024, Anthropic
5. Faisal Ladhak, 2023, Nvidia
6. Chris Kedzie, 2021, Microsoft, New York, NY
7. Christopher Hidey, 2020, Google, New York, NY
8. Jessica Ouyang, 2019, University of Texas at Dallas, Texas.
9. Noura Farra, 2019, Microsoft, Seattle, WA.
10. Or Biran, 2016, Elemental Cognition, NY NY.
11. Sara Rosenthal, 2014, IBM Watson, White Plains, NY
12. Yves Petinot, 2014, startup, Paris, France.
13. Kapil Thadani, 2013, Yahoo Research Labs, NY NY.
14. Kristen Parton, 2013, Facebook, NY NY.
15. David Elson, 2011, Google, NY, NY
16. Michel Galley, 2007, Microsoft Research, Seattle, Wa.
17. Elena Filatova, 2007, Assistant Professor, New York Institute of Technology, NY, NY.
18. Sasha Blair-Goldensohn, 2007, Technical Staff, Google, New York, NY.
19. Ani Nenkova, 2006, Associate Professor, University of Pennsylvania, Philadelphia, Pa.
20. Noemie Elhadad, 2006, Associate Professor, Department of Biomedical Informatics, Columbia University.
21. Barry Schiffman, 2005, Consultant.
22. David Evans, 2005, Amazon.com, Tokyo, Japan.
23. Pablo Duboue, 2005, start-up.
24. Regina Barzilay, 2003, Professor, MIT, Boston, MA.
25. Carl Sable, 2002, Associate Professor, Cooper Union, NY NY
26. Min Yen Kan, 2002, Associate Professor, National University of Singapore.
27. Shimei Pan, 2001, University of Maryland at Baltimore County, Baltimore, Md.

28. James Shaw, 2001, IHeart Radio, NY NY.
29. Hongyan Jing, 2001, Context, New York, NY.
30. Dragomir Radev, 1999, Professor, Yale University, New Haven, Ct. Deceased 2023.
31. Vasileios Hatzivassiloglou, 1998, retired.
32. Eric Siegel, October 1997, Predictive Analytics.
33. Pascale Fung, 1996, Professor, Hong Kong Institute of Science and Technology.
34. Jacques Robin, 1994. University of Paris 1, Paris, France.
35. Michael Elhadad, 1992. Professor, Ben Gurion Univ., Israel.
36. Ursula Wolz, 1992. Professor, The College of New Jersey, Trenton, N.J.
37. Andrea Danyluk, 1992. Professor Williams College. Deceased 2022.
38. Frank Smadja, 1991. Consulting, Israel.
39. Galina Datskovsky Moerdler, 1990. VaporStream, N.Y., N.Y.
40. Cecile Paris, 198, Chief Research Scientist; Director of the Collaborative Intelligence programme of research. CSIRO, Sydney, Australia.

Grants

Recent Funding

“CEDAR: Characterizing, Explaining and Defending Against Risks in LLMs,” McKeown (PI), Co-PIs: Julia Hirschberg, Smaranda Muresan, Carl Vondrick and Zhou Yu, subcontracts to Univ of Illinois, Univ of Texas at Austin, Univ of North Carolina at Chapel Hill and New York University, Mar 2025- Feb 2027, \$2,110,428.

“The Role of Latent Space in Art Images: A Case Study in Style Interpretability (and its implications for AI, Art History and the Law)”, McKeown and Elcott (co-PIs), Seed funding from the Data Science Institute, July 2025-June 2026, \$125,000.

“Enabling Unbiased Summarization of Opinions from Marginalized Groups,” McKeown (PI), Patton (co-PI), Knight Foundation, Jan 2024-Dec 2024, \$80,000.

“Neural Methods for Describing and Interpreting Works of Art,” McKeown and Vondrick (PIs), Amazon gift, Sept 2023-Aug 2024, \$100,000.

“PAUSIT: Privacy protection and Authorship attribution Using Style-based Interpretable Transfer”, McKeown (PI), Muresan (co-PI), subcontract from Penn, IARPA, \$2,590,851, October 2022-September 2026.

“CHARM: Cross-Cultural Harmony through Affect and Response Mediation”, McKeown (PI), Hirschberg (co-PI), Muresan (co-PI), Vondrick (co-PI), subcontracts to UIUC, UC Davis, NYU and Stonybrook Univ., DARPA, \$5,071,300. Jan 13, 2022- Apr 15 2025.

“RI: Medium: RI: Medium: Automatically Understanding and Identifying Digital Expression of Black Grief”, Kathleen McKeown (PI), Desmond Patton (Co-PI), Jessie Grieser (Co-PI), Katherine Shear (Co-PI), NSF, \$1,200,000, Oct 1st, 2021 - Sept 30th, 2025dd.

“Detecting Emotional Reactions to Events”, PI: Kathleen McKeown, Amazon gift, awarded March 2021, \$70,000.

“Extremely Abstractive Summarization”, Amazon grant as part of the Columbia Amazon AI Center, awarded Feb 2021, \$150,000.

“Semantic Information Defender”, Chang (PI), Hirschberg (co-PI), and McKeown (co-PI), subcontract from Kitware, DARPA Semafor program, \$2,520,000, July 1, 2020 - June 30th, 2024.

“A System for Cross lingual Information Processing, Translation and Summarization: SCRIPTS”, McKeown (PI), Hirschberg (co-PI), Muresan (co-PI), Rambow (co-PI), Oard (co-PI, UMD), Carpuat (co-PI, UMD), Daume (co-PI, UMD), Resnik (co-PI, UMD), Radev (co-PI, Yale), Renals (co-PI, Edinburgh), Heafield (co-PI, Edinburgh), Gales (co-PI, Cambridge), IARPA, \$13,930,306, Oct 1st, 2017 - Dec 22nd, 2021.

“GAIA”, Chang (PI), McKeown (co-PI), subcontract from ISI, DARPA, \$900,00, Jan 1st, 2018 - Dec. 31st, 2022.

“Reducing plug-load electricity footprint of residential buildings through low-cost, non-intrusive sub-metering and personalized feedback technology”, Culligan (PI), McKeown (co-PI), Meinreken (co-PI), DOE, total of \$1,999,782 over three years starting September 2016.

“SEEM: Inferring SEntiment and EMotion from Low Resource Languages,” McKeown (PI), Hirschberg (co-PI), Diab (Co-PI, GWU), DARPA, \$1,785,792. My share: \$774,528. July 1, 2015 - June 30.

”Reducing plug-load electricity footprint of residential buildings through low-cost, non-intrusive sub-metering and personalized feedback technology,” Culligan (PI), McKeown (co-PI), Meinreken (co-PI), DOE, total of \$1,999,782 over three years starting September 2016. Goal: to change consumer behavior in electricity usage through the use of personalized feedback. McKeown supervises one student who is developing language generation for feedback.

“Northeast Big Data Innovation Hub,” McKeown (PI), including a total of 99 universities, companies, and non-profits in the region, NSF, \$1,250,000. Oct 1, 2015 - Sept 30, 2018.

“RI:Small: Describing Disasters and the Ensuing Personal Toll,” Kathleen McKeown (PI), NSF, Sept. 2014 - Aug. 2017, \$543,000.

“DRATS: Detecting Relations and Anomalies in Text and Speech,” DARPA, Owen Rambow (PI), Mona Diab (George Washington Univ.), Julia Hirschberg, Smaranda Muresan (Rutgers), Kathleen McKeown, and Mari Ostendorf (University of Washington), \$5,499,999, 11/13/12 - 5/12/17.

“Broad Operational Language Translation/IBM Team - Algorithmic Development and Integrated Systems”, DARPA, Subcontract to IBM, Kathleen McKeown (PI), \$550,000 Jan 1, 2013- Dec. 31, 2014.

“RI: Large: Collaborative Research: Richer Representations for Machine Translation,” Kathleen McKeown, jointly with Martha Palmer (PI), Colorado University, Keving Knight, University of Southern California, Daniel Gildea, Rochester University, and Bert Nangwen, Brandeis University, \$593,045 (Columbia’s portion), Sept. 1 2009 - Dec. 31st 2014.

“Discovering and explaining technical emergence through analysis of the language and structure of scientific publications,” Kathleen McKeown (PI), Michael Collins, Luis Gravano, Owen Rambow (Columbia University); Simone Teufel (Cambridge University), Bonnie Dorr, Kenneth Fleischman, Hal Daume (Univer-

sity of Maryland), Dragomir Radev (University of Michigan), Fei Xia (University of Washington), \$6,000,000, July 7, 2011 - May 31, 2014.

“Broad Operational Language Translation/SRI Team”, DARPA, Subcontract to IBM, Julia Hirschberg (PI), Michael Collins, Mona Diab and Kathleen McKeown, 10/1/2011-9/30/2012.

“Predicting Power, Influence and Rifts in Social Groups Through Linguistic Analysis: A Study of English, Arabic, and Urdu”, Kathleen McKeown, Mona Diab, Dragomir Radev, Owen Rambow, IARPA, \$672,472 (year 1) option for \$1,309,568 (Nov 2010 - Oct 2012). Option for year 2 approved.

“Distillation for ROSETTA”, Kathleen McKeown (Subcontract PI), subcontract to IBM, DARPA GALE, \$180,000, July 2009 - June 2011.

“EAGER: Corpus-Based Narrative Semantics”, Kathleen McKeown, NSF, \$253,888 total, July 1, 2009 - December 31st, 2010.

“Task-Embedded Machine Translation”, Kathleen McKeown, sub-contract to IBM, DARPA GALE, \$107,149, 9/1/2009-5/31/2010.

“Contextually Sensitive Semantic Relationships”, Kathleen McKeown and Barry Schiffman, NGA HM1582-06-1-2015, \$119,058/year for 2 years, 09/08/06-09/07/08.

“A Multimodal Interface for Generating Physician Notes”, Steven Feiner, Kathleen McKeown, and Desmond Jordan, IBM, \$143,000/year for 3 years, Sept 1, 2006.

“Text-to-Text Generation for Summarizing Informal Genres”, Kathleen McKeown, NSF, \$300,000, Jan 2006 - Dec 2009.

\$25,000, IBM Faculty Development Award, January 2005.

\$20,000, Microsoft Research Gift, May 2005.

“NIGHTINGALE: Novel Information Gathering and Harvesting Techniques”, \$4,884,605, Kathleen McKeown, Julia Hirschberg and Dan Ellis, DARPA, September 1 2005 - August 31, 2010 (Evaluation milestones were met in year 1, grant was renewed for year 2. Renewal for Year 3 is dependent on meeting year 2 evaluation milestones).

“Text Summarization: News and Beyond”, DARPA, \$200,000, March 1 2005-August 31, 2005.

“Tools for Monitoring Online Information Sources”, Kathleen McKeown, Luis Gravano, Julia Hirschberg and Owen Rambow, NSF KDD program, \$1,795,000, renewed yearly June 1, 2002 - January 31, 2006.

“Multilingual Multidocument Information Tracking and Summarization”, Kathleen McKeown, Vasileios Hatzivassiloglou, Judith Klavans, DARPA, \$1,800,000, March 1, 2000 - February 28, 2005.

“ITR/PE+SY: Mapping Meetings: Language Technology to make Sense of Human Interaction”, Dan Ellis (Dept of Electrical Engineering) and Kathleen McKeown, \$269,904 (Columbia’s subcontract), September 1, 2001 - August 31, 2005 (awarded to Univ of California at Berkeley, Nelson Morgan, PI, Univ of Washington, Mari Ostendorf, PI).

“Question Answering - Phase II”, Vasileios Hatzivassiloglou, Kathleen McKeown (Columbia University), Wayne Ward, Daniel Jurafsky (University of Colorado), ARDA AQUAINT, \$1,900,000, April, 2004-March 2006.

“Question Answering”, Vasileios Hatzivassiloglou, Kathleen McKeown (Columbia Univeristy), Wayne Ward, Daniel Jurafsky (University of Colorado), ARDA AQUAINT, \$1,800,000, November, 2001-November 2003.

”A Patient Care Digital Library: Personalized Search and Summarization over Multimedia Information,” Kathleen McKeown, Shih-Fu Chang, James Cimino, George Hripcsak, and Judith Klavans, NSF, \$5,000,000, September 1, 1999 - August 31, 2004.

Publications

Journals

- [1] Emily Allaway, Chandra Bhagavatula, Jena D. Hwang, Kathleen McKeown, and Sarah-Jane Leslie. Exceptions, instantiations, and overgeneralization: Insights into how language models process generics. *Computational Linguistics*, 50(3):1211–1275, December 2024.
- [2] Melanie Subbiah, Sean Zhang, Lydia B. Chilton, and Kathleen McKeown. Reading subtext: Evaluating large language models on short story summarization with writers. *Transactions of the Association for Computational Linguistics*, 12:1290–1310, 2024.
- [3] Tianyi Zhang, Faisal Ladhak, Esin Durmus, Percy Liang, Kathleen McKeown, and Tatsunori B. Hashimoto. Benchmarking large language models for news summarization. *Transactions of the Association for Computational Linguistics*, 12:39–57, 2024.
- [4] Emily Allaway and Kathleen McKeown. Zero-shot stance detection: Paradigms and challenges. *Frontiers in Artificial Intelligence*, 5:107–429, 2023.
- [5] Desmond Upton Patton, Jamie MacBeth, Sarita Schoenebeck, Katherine Shear, and Kathleen McKeown. Accommodating grief on twitter: An analysis of expressions of grief among gang involved youth on twitter using qualitative analysis and natural language processing. *Biomedical Informatics Insight*, 10, Jan 2018.
- [6] Mohammad Sadegh Rasooli, Noura Farra, Axinia Radeva, Tao Yu, and Kathleen McKeown. Cross-lingual sentiment transfer with limited resources. *Machine Translation*, Nov 2017.
- [7] Sara Rosenthal and Kathleen McKeown. Detecting influencers in multiple online genres. *ACM Transactions on Internet Technology (TOIT): Special Issue on Advances in Social Computing*, 17(2), May 2017.
- [8] Kathleen McKeown, Hal Daume III, Snigdha Chaturvedi, John Paparrizos, Kapil Thadani, Pablo Barrio, Or Biran, Suvarna Bothe, Michael Collins, Kenneth R. Fleischmann, Luis Gravano, Rahul Jha, Ben King, Kevin McInerney, Taesun Moon, Arvind Neelakantan, Diarmuid O’Seaghdha, Dragomir Radev, Clay Templeton, and Simone Teufel. Predicting the impact of scientific concepts using full text features. *Journal of the Association for Information Science and Technology (JASIST)*, January 2016.
- [9] Wei-Yun Ma and Kathleen McKeown. Detecting and correcting syntactic errors in machine translation using feature-based lexicalized tree adjoining grammars. *International Journal of Computational Linguistics and Chinese Language Processing (IJCLCLP)*, 17(4):1–14, December 2012.
- [10] Ani Nenkova and Kathleen McKeown. Automatic summarization. *Foundations and Trends in Information Retrieval*, 52(2-3):103–233, 2011. <http://dx.doi.org/10.1561/15000000015>.
- [11] Advaith Siddharthan, Ani Nenkova, and Kathleen McKeown. Information status distinctions and referring expressions: An empirical study of references to people in news summaries. *Journal of Computational Linguistics*, 37(4), 2011.
- [12] Ani Nenkova, Rebecca Passonneau, and Kathleen McKeown. The pyramid method: incorporating human content selection variation in summarization evaluation. *ACM Transactions on Speech and Language Processing*, 4(2), 2007.
- [13] Regina Barzilay and Kathleen McKeown. Sentence fusion for multidocument summarization. *Computational Linguistics*, 31, 2005.

- [14] Noemie Elhadad, Min-Yen Kan, Judith Klavans, and Kathleen McKeown. Using different levels of customization in a unified framework for summarizing medical literature. *Journal of Artificial Intelligence in Medicine*, 33(2):179–98, December 2004.
- [15] Shimei Pan, Kathleen McKeown, and Julia Hirschberg. Exploring features from natural language generation for prosody modeling. *Computer Speech and Language (special issue on spoken language generation)*, 16(3):457–90, October 2002.
- [16] Desmond Jordan, Kathleen McKeown, Kristian Concepcion, Steven Feiner, and Vasileios Hatzivassiloglou. Generation and evaluation of medical inferences for automated healthcare briefings. *Journal of American Medical Informatics Association*, 8, may 2001.
- [17] Eric Siegel and Kathleen McKeown. Learning methods to combine linguistic indicators: Improving aspectual classification and revealing linguistic insights. *Computational Linguistics*, 26, December 2000.
- [18] Kathleen McKeown and Shimei Pan. Prosody modeling in concept-to-speech generation: methodological issues. *Phil. Trans. Royal Society London*, 358(1769):1419–1431, April 2000.
- [19] Alfred Aho, Shih-Fu Chang, Kathleen McKeown, Dragomir Radev, John Smith, and Kazi Zaman. Columbia digital news project. *International Journal of Digital Libraries*, 1(4):377–385, 1998.
- [20] Dragomir Radev and Kathleen McKeown. Generating natural language summaries from multiple on-line sources. *Computational Linguistics*, 24(3):469–500, September 1998.
- [21] Kathleen McKeown, Steven Feiner, Mukesh Dalal, and Shih-Fu Chang. Generating multimedia briefings: Coordinating language and illustration. *Artificial Intelligence Journal*, 103:95–116, 1998.
- [22] Pascale Fung and Kathleen McKeown. Technical word and term translation from noisy parallel corpora across language groups. *Machine Translation*, November 1997.
- [23] Michael Elhadad, Kathleen McKeown, and Jacques Robin. Floating constraints in lexical choice. *Journal of Computational Linguistics*, 23(2), June 1997.
- [24] Jacques Robin and Kathleen McKeown. Empirically designing and evaluating a new revision-based model for summary generation. *Artificial Intelligence Journal*, 85, August 1996.
- [25] Frank Smadja, Kathleen McKeown, and Hatzivassiloglou. Translating collocations for bilingual lexicons: A statistical approach. *Journal of Computational Linguistics*, 22(1), March 1996.
- [26] Kathleen McKeown, Karen Kukich, and Jacques Robin. Generating concise natural language summaries. *Journal of Information Processing and Management*, 31(5), 1995.
- [27] Cole et. al. The challenge of spoken language systems: Research directions for the nineties. *IEEE Transactions on Speech and Audio Processing*, 3(1):1–22, January 1995.
- [28] Steven Feiner and Kathleen McKeown. Automating the generation of coordinated multimedia explanations. *IEEE Computer*, 24(10):33–41, October 1991.
- [29] Frank Smadja and Kathleen McKeown. Using collocations for language generation. *Computational Intelligence*, 7(4), December 1991.
- [30] Ursula Wolz, Kathleen McKeown, and Gail Kaiser. Automated tutoring in interactive environments: A task centered approach. *Journal of Machine Mediated Learning*, December 1989.
- [31] Kathleen McKeown. Generating goal oriented explanations. *International Journal of Expert Systems*, I, Issue 4,:377–95, December 1988.

- [32] Kathleen McKeown. Language generation: Applications, issues, and approaches. *Proceedings of the IEEE*, July 1986.
- [33] Kathleen McKeown. Paraphrasing questions using given and new information. *American Journal of Computational Linguistics*, January-March 1983.
- [34] Kathleen McKeown. Discourse strategies for generating natural language text. *Artificial Intelligence Journal*, 27 No. 1., 1985.
- [35] Bonnie L. Webber, Aravind K. Joshi, Eric Mays, and Kathleen McKeown. Extended natural language data base interaction. *International Journal of Computers and Mathematics*, December 1982.
- [36] Kathleen McKeown and Norman I. Badler. Creating polyhedral stellations. *Computer Graphics*, 14, No. 3:19–24, July 1980.

Conference Proceedings

- [37] Nicholas Deas, Elsbeth Turcan, Ivan Ernesto Perez Mejia, and Kathleen McKeown. MASIVE: Open-ended affective state identification in English and Spanish. In Yaser Al-Onaizan, Mohit Bansal, and Yun-Nung Chen, editors, *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing*, pages 20467–20485, Miami, Florida, USA, November 2024. Association for Computational Linguistics.
- [38] Zachary Horvitz, Ajay Patel, Kanishk Singh, Chris Callison-Burch, Kathleen McKeown, and Zhou Yu. TinyStyler: Efficient few-shot text style transfer with authorship embeddings. In Yaser Al-Onaizan, Mohit Bansal, and Yun-Nung Chen, editors, *Findings of the Association for Computational Linguistics: EMNLP 2024*, pages 13376–13390, Miami, Florida, USA, November 2024. Association for Computational Linguistics.
- [39] Melanie Subbiah, Faisal Ladhak, Akankshya Mishra, Griffin Thomas Adams, Lydia Chilton, and Kathleen McKeown. STORYSUMM: Evaluating faithfulness in story summarization. In Yaser Al-Onaizan, Mohit Bansal, and Yun-Nung Chen, editors, *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing*, pages 9988–10005, Miami, Florida, USA, November 2024. Association for Computational Linguistics.
- [40] Todd Morrill, Zhaoyuan Deng, Yanda Chen, Amith Ananthram, Colin Wayne Leach, and Kathleen McKeown. Social orientation: A new feature for dialogue analysis. In Nicoletta Calzolari, Min-Yen Kan, Veronique Hoste, Alessandro Lenci, Sakriani Sakti, and Nianwen Xue, editors, *Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024)*, pages 14995–15011, Torino, Italia, May 2024. ELRA and ICCL.
- [41] Yanda Chen, Chen Zhao, Zhou Yu, Kathleen McKeown, and He He. Parallel structures in pre-training data yield in-context learning. In Lun-Wei Ku, Andre Martins, and Vivek Srikumar, editors, *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*, pages 8582–8592, Bangkok, Thailand, August 2024. Association for Computational Linguistics.
- [42] Zachary Horvitz, Jingru Chen, Rahul Aditya, Harshvardhan Srivastava, Robert West, Zhou Yu, and Kathleen McKeown. Getting serious about humor: Crafting humor datasets with unfunny large language models, outstanding paper award. In Lun-Wei Ku, Andre Martins, and Vivek Srikumar, editors, *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics (Volume 2: Short Papers)*, pages 855–869, Bangkok, Thailand, August 2024. Association for Computational Linguistics.

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Invited Talks and Panels

“Addressing Large Language Models that Lie: Case Studies in Summarization,” Invited talk, University of California at Boulder, February 2024.

“Addressing Large Language Models that Lie: Case Studies in Summarization,” Invited talk, Capital One, February 2024.

“Addressing Large Language Models that Lie: Case Studies in Summarization,” Invited talk, Workshop on Summarization, EMNLP, December 2023.

“Recognizing Failures in the Successes of Large Language Modeling”, Keynote, Workshop on Agents and Large Language Modeling, DIMACS, Rutgers University, October 2023.

“Addressing Large Language Models that Lie: Case Studies in Summarization,” Invited talk, Northrup Grumman University Symposium, Sept 2023.

“Addressing Large Language Models that Lie: Case Studies in Summarization,” Invited talk, IEEE Conference on Artificial Intelligence, June 2023.

Panel participant, “Art and AI,” Special event on Art+Tech, Christie’s Auction House, NY NY, July 2023.

“AI Chatbots: What can they do and how do they fail?,” invited talk, Columbia Alumni Weekend, July 2023.

“Rewriting the Past: Assessing the Field through the Lens of Language Generation”, Keynote, Annual Conference of the Association for Computational Linguistics, online, July 2020.

“Where Natural Language Processing Meets Societal Problems”, Department of Computer Science Distinguished Lecture, University of North Carolina, Feb. 2020.

“Where Natural Language Processing Meets Societal Problems”, Department of Computer Science Distinguished Lecture, University of Washington, Jan. 2020.

“Where Natural Language Processing Meets Societal Problems”, Department of Computer Science Distinguished Lecture, Penn State, Oct. 2019.

“Where Natural Language Processing Meets Societal Problems”, Digital Life Seminar and Learning Machines Seminar, Cornell Tech, Sept. 2019.

“Where Natural Language Processing Meets Societal Problems,” Invited talk, University of Colorado at Boulder, March 2019.

“Detecting Gang-Involved Escalation on Social Media Using Context”, Faculty Tech Talk, SEAS, February 2019.

“Where Natural Language Processing Meets Societal Problems,” Machine Learning Seminar speaker, Duke University, November 2018.

“Where Natural Language Processing Meets Societal Problems,” ROCLING 2018, October 2018, Taiwan.

“Natural Language for Societal Challenges,” keynote, Statistics and Data Science Conference, MIT, April 2018.

“Natural Language: Challenges and Approaches”, Moodys Investments, Feb.2018.

“Violence on the Digital Street: Detecting Aggression and Loss in Social Media Posts using Qualitative Analysis and Machine Learning” (joint talk with Desmond Patton), Computational Social Science Center, Harvard University, Feb. 2018.

“Machine Learning from Text: Applications, Challenges in Machine Generation of Automated Products from Multi-Source Data: A Workshop”, National Academies of Science, Engineering and Medicine, August 2017.

“Natural Language for Societal Challenges, Cognitive AI Meetup,” Google, New York, NY July 2017.

“At the Intersection of Language and Data Science”, talk for Huawei visit, Columbia University, NY NY, June 2017.

Panel member, “The Machines Are Coming: Automating the Media (panel)”, Machines and Media Conference, NYC Media Lab, Bloomberg, April 2017.

“At the Intersection of Data Science and Language”, Elsevier Management Conference, May 2016.

“At the Intersection of Data Science and Language”, UBS, New York, NY August 2016.

“At the Intersection of Data Science and Language”, Keynote Speaker, International Semantic Web Conference, Kobe, Japan 2016.

“At the Intersection of Data Science and Language”, University of Pennsylvania, Grace Hopper Distinguished Lecture, Philadelphia, Pa., Nov. 2016.

“At the Intersection of Data Science and Language”, AIG Data Science Seminar, New York, NY Nov. 2016.

“At the Intersection of Data Science and Language”, Women in Data Science Day, SAS, New York, NY, Feb 2017.

Panel member: The Art of AI, Lincoln Center, June 2016.

Panel member: Data Science Education, Microsoft Research Faculty Summit, July 2016.

Panel member: Data Science, New York Academy of Science, September 2016.

Making Expert Material Accessible to Non-Experts, DARPA SMILE Workshop, Washington DC, October 2016.

“Uphill Battles in Language Generation: Sentence Planning and Lexical Choice,” invited talk, Workshop on Uphill Battles in Natural Language Processing, EMNLP, November 2016.

“Detecting Influence and Aggression in Social Media”, DARPA ISAT Workshop, Endicott, MA, Feb. 2017.

Panel Member, “Education for Data Science,” Data Science Institute Launch, University of Massachusetts at Amherst, Amherst, Mass., April 2015.

“At the Intersection of Language and Data Science,” Institute of Advanced Studies Distinguished Lecture, Hong Kong University of Science and Technology, Hong Kong, March 2015.

“Big Data and Society: What it means for your Business or Learning”, Future of Learning Forum Mind, Meaning and Motivation, Columbia Business School Executive Education, New York, NY, March 2015.

“At the Intersection of Language and Data Science,” Colloquium Series, Data Science Institute, Columbia University, NY February 2015.

“At the Intersection of Language and Data Science,” Distinguished lecture, Launch of the Centre for Doctoral Training in Data Science, Univ of Edinburgh, Edinburgh, Scotland, November 2014.

“At the Intersection of Language, Science and Data Science,” Keynote, 10th IEEE International Conference on eScience, Guarujá, Sao Paolo, Brazil, October 2014.

“Celebrating Successful Partnerships: Applied Sciences NYC Project”, Panel, NACME 40th Annual Meeting, October 2014.

“Mentoring for Postdoctoral Fellows”, Panel, ASCENT (Advancing Computer Science Careers through Enhanced Networking and Training) kick-off meeting, September 2014.

“Natural Language Applications From News to Novels,” Microsoft Research, Seattle, Wa. March 2014.

“Natural Language Applications From News to Novels,” Keynote Speech, North American Association for Computational Linguistics, Atlanta, Georgia, June 2013.

“NYC 2030: Achieving the City’s Future”, Panel, Columbia Business School Club of New York, April 2013.

“New York Universities”, Panel, Engineering Deans Institute, American Society for Engineering Education, April 2013.

“Out of the Cloud: the Promise of Big Data,” Panel Discussion with moderator Columbia Univ President Lee Bollinger, April 2013.

“Columbia’s Institute for Data Sciences and Engineering,” Google Tech Talk, Google, Menlo Park, Ca., March 2013.

“Natural Language Applications Across Genres: From News to Novels,” CRA Distinguished Lecture Series, Department of Computer Science, University of Illinois, May 2011.

“Natural Language Applications Across Genres: From News to Novels,” Distinguished speaker, Study of the Applied Language Technology and Society, Rutgers University, March 2011.

“Query-focused Summarization Using Text-to-Text Generation: When Information Comes from Multilingual Sources”, Department of Computer Science Lecture Series, Johns Hopkins University, February 2011.

“Summarization and Question Answering Using Text-to-Text Generation”, Brown University, November 2007.

“Text summarization: News and Beyond,” CICLING invited speaker, February 2007.

“Evaluation of Text Generation Systems: Nightmares and Pleasant Surprises”, INLG, July 2006, Australia.

“Text summarization: News and Beyond,” The State University of New York at Stony Brook, Department of Computer Science Distinguished Lecture Series, January 2005.

“Text summarization: News and Beyond,” Microsoft, August 2004.

“Generating Natural Language Summaries and its use in Tracking and Summarizing News on a Daily Basis,” IBM, August 2002.

“Generating Natural Language Summaries and its use in Tracking and Summarizing News on a Daily Basis,” ISI, November 2002.

“Personalized Search and Summarization over Multimedia Information,” University of Michigan, Computer Science Lecture Series, October 2001.

“Personalized Search and Summarization over Multimedia Information,” University of Pittsburgh, Distinguished Lecture Series, Department of Computer Science, October 2001.

“Language Generation and Summarization: Moving Away from Sentence Extraction,” Computer Science Lecture Series, November 2000.

“What Can Computers do with Language and Other Media?,” NSF 50th Anniversary Symposium, Columbia University, December 2000.

“Reducing Information Overload: Text Summarization and Personalized Digital Libraries,” Microsoft Research Labs, October 1999.

“Generating Natural Language Summaries: What is Possible Now?,” Computer Science Colloquium, Cornell University, January 1999.

“A Patient Care Digital Library: Personalized Search and Summarization over Multimedia Information,” panel, IEEE Advances in Digital Libraries Conference, Baltimore, Md., May 1999.

“Generating Multimedia Briefings,” Southern Methodist University Distinguished Lecture Series, Dallas, Tx., April 1999.

“Generating Natural Language Summaries: What is Possible Now?,” Cornell University, Ithaca, NY, January 1999.

“Concept to Speech Generation for Multimedia Briefings,” MIT, Cambridge, Ma., November 1998.

“Generating Summaries of Medical Information,” Department of Medical Informatics, Columbia University, NY, NY, November 1998.

“Generating Multimedia Briefings,” ISI/USC, Marina del Rey, November 1998.

“Generating Multimedia Briefings,” IJCAI invited talk, August 1997.

“Generating Multimedia Briefings,” AT&T, Florham Park, September 1997.

“Generating Multimedia Briefings,” Harvard University, Cambridge, Mass., November 1997.

“Generating Multimedia Briefings,” Univ. of Toronto, Toronto, Can., December 1997.

“Generating Multimedia Briefings,” Univ. of Pennsylvania, Philadelphia, Pa., January 1998.

“Generating Multimedia Briefings,” Lucent Bell Laboratory, Holmdel, NJ, February 1998.

“Automated Generation of Multimedia Briefings,” ONR workshop, Woods Hole, Mass., Sept. 1997.

“Generating Natural Language Summaries for Digital Libraries,” invited talk, Shanghai Univ., Shanghai, China, May 1996.

“Generating Natural Language Summaries for Digital Libraries,” IBM, Hawthorne, N.Y., January 1996.

“Generating Concise Natural Language Summaries,” Linguistics Colloquium, Univ. of Pennsylvania, March 1996.

“Generating Concise Natural Language Summaries,” NYNEX, White Plains, N.Y., April 1995.

"Generating Concise Natural Language Summaries," Johns Hopkins University colloquium, Baltimore, Md., February 1995.

"Getting Computers to Interact with their Users in English," Columbia Univ. Deans Day, Columbia Univ., April 1994.

"The JANUS Digital Library: An Overview of Research," Columbia Univ. Partners Meeting, Columbia Univ., April 1994.

"A User Interface for the JANUS Digital Library," Rutgers Univ., April 1994.

"Automated Generation of 3D Multimedia for Healthcare User Interfaces," ARPA Human Computer Interaction Workshop, March 1994.

"Language Generation for Multimedia Explanation," Univ. of Toronto, Feb. 1994.

"Language Generation for Multimedia Explanation," invited speaker, PACLING-93, Vancouver, B.C., April 1993.

"Automatic Documentation Generation in PLANDoc," NYNEX colloquium series, NYNEX, White Plains, N.Y., February 1992. (joint talk with Karen Kukich, Bellcore)

"Extracting Constraints on Word Usage from Text Corpora," Naval Research Labs Colloquium Series, Washington D.C., November 1992.

"Constructing Lexicon Modules through Analysis of Large Text Corpora," invited talk, DARPA TIPSTER Workshop on Text and Information Retrieval, San Diego, Ca., September 1992.

"Issues for Women in Academia," Women Speaker Series, UNIX Systems Laboratory, Summit, N.J., September 1992.

"Issues for NL: An Evening of Video Entertainment," Presidential Address, ACL Banquet after dinner talk, 30th Annual Meeting of the Association for Computational Linguistics, Univ. of Delaware, Newark, Del., July 1992.

"Language Generation for Equipment Maintenance and Repair: Coordinating with Graphics," Univ. of Pennsylvania, Feb., 1990.

"Language Generation for Equipment Maintenance and Repair: Coordinating with Graphics," AT&T Bell Laboratories, Jan., 1990.

"Language Generation at Columbia: the Radio Project," GE, Schenectady, July 1989.

"Language Generation at Columbia: the Radio Project," invited speaker, European Workshop on Language Generation, Univ. of Edinburgh, Edinburgh, Scotland, March 1989.

"Highlighting User Related Advice," AAAI Workshop on Explanation, AAAI, St. Paul, Minn., August 1988.

"Comparison of Surface Language Generators: A Case Study in Choice of Connectives," 4th International Language Generation Workshop, Santa Catalina Island, Ca., July 1988.

“Getting Computers to Respond in English,” invited talk, Women in Science Lecture Series, Brookhaven National Laboratory, Brookhaven, N.Y., May 1988.

“Individual Differences in Human Computer Interaction,” panel member, CHI 88, Washington D.C., May 1988.

“Constraints on Text Generation,” invited talk, University of Waterloo, Waterloo, Canada, January 1987.

“Constraints on Text Generation,” invited talk, Texas Instruments, Dallas, Texas, November 1986.

“Natural Language Generation and User Modelling,” tutorial given at COLING-86, Bonn, Germany, August 1986.

“Natural Language Generation,” tutorial given at the 24th Annual Meeting of the Association for Computational Linguistics, Columbia University, New York, N.Y., June 1986.

“Tailoring Explanations for the User,” invited talk, University of Pennsylvania, Philadelphia, Pa., March 1985.

“Text Generation: What, when, and how,” invited talk, Cognitive Studies Series, Princeton University, Princeton, N.J., February 1985.

“Tailoring Explanations for the User,” ONR Contractor’s meeting, Georgia Technical Institute, Atlanta, Ga., January 1985.

Workshop on Language Generation, invited speaker, Stanford Univ., Stanford, Ca., Doug Appelt (organizer), July 1984.

Panel member of “Natural Language and Databases Again,” COLING 84, Stanford Univ., Stanford, Ca., July 1984.

“User-Oriented Language Generation,” invited talk, ACM SIGART local chapter, New York, N.Y., May 1984.

Workshop on Knowledge Representation and Explanation, invited participant, sponsored by ISI and BBN, Santa Barbara, Ca., October 1983.

“Natural Language Systems: How are they meeting human needs?”, invited talk, ACM Annual Conference, New York, N.Y., October 1983.

“Generating Natural Language Text in Response to Questions about Database Structure”, invited talk, American Society of Information Science Annual Conference, Doctoral Forum, Washington D.C., October 1983.

“Generating Natural Language Text in Response to Questions about Database Structure”, invited talk, IBM Systems Research Institute, New York, N.Y., Oct. 1982

Panel member of “Strategies for Explanation” panel and “Generation” panel, Explanation Workshop, sponsored by ISI and ONR, June 1982.

Panel member of “Text Generation” panel, Applied Computational Linguistics in Perspective Workshop, sponsored by ONR, June 1981, results appeared in April-June 1982 issue of the *American Journal of Computational Linguistics*).

Classes Taught

Language Generation and Summarization, COMS6998, Department of Computer Science, Columbia University, Fall 2022 (26 students), Fall 2023 (45 students).

Natural Language Processing, COMS4705, Department of Computer Science, Columbia University, Spring 1983, 1984, 1985 (50 students), 1986 (50 students), 1987 (80 students), 1988 (35 students), 1989 (30 students), 1990 (15 students), 1992 (15 students), Fall 1993 (14 students), Fall 1995 (25 students), Fall 1996 (15 students), Fall 1998 (40 students), Fall 2008 (52 students), Fall 2010 (29 students), Fall 2017 (185 students), Fall 2019 (100 students), Spring 2021 (165 students), Fall 2021 (140 students)

Artificial Intelligence, COMS4701, Department of Computer Science, Columbia University, Spring 2004 (55 students), Fall 2004 (39 students), Fall 2006 (45 students), Fall 2007 (68 students)

Natural Language Processing for the Web, ComsE6998 Section 3, Department of Computer Science, Columbia University, Spring 2008 (21 students), Spring 2010 (16 students)

Introduction to Computers, ComsW1001, Department of Computer Science, Columbia University, Fall 1994 (40 students)

The Lexicon and Machine Translation, ComsE6998 Section 37, Department of Computer Science, Columbia University, Fall 1991 (9 students)

Independent Study in Natural Language Processing, COMSW6901 Section 37, Department of Computer Science, Columbia University, Fall 2017 (4 MS students), Spring 2018 (7 MS students) and every semester since 1982.

Independent Study in Natural Language Processing, COMSW4901 Section 37, Department of Computer Science, Columbia University, Fall 2017 (1 undergraduate student), Spring 2018 (5 undergraduate students) and every semester since 1982.

Introduction to Programming, COMS1003, Department of Computer Science, Columbia University, Fall 1982, Fall 1984

Departmental Service

Faculty Recruiting Committee, 2017-2018, 2024

Advisor for MS students, NLP track, 2015-present

Nominations committee, 2016-present.

Advisor for Barnard Undergraduate Students majors, 1994-00, 2011-2014.

Co-organizer, Department of Computer Science Retreat, Fall 2010 (joint with Eitan Grinspun).

Task Force on New Directions in Curriculum, Chair, 2006-2007.

Academic Committee 2004-2005, 2006-2010.

Strategic Planning Committee 2002-2005, 2009-2010, 2014-2015.

Co-Chair, CS 25th Anniversary, 2004.

Senior Faculty Recruiting 1999-00.

Internal Departmental Review Committee, 1999.

Member, Faculty Recruiting Committee, 1994-1995.

Chair, Faculty Recruiting Committee, 1991-1992, 1992-1993, 1993-1994.

Member, Chair Search Committee, 1993-1994.

Contact, discussion of combined chair in Arts and Technology, 1993-1994.

Member, Academic Committee, 1993.

Member, Faculty Recruiting Committee, 1989, 1990.

Member, PhD Committee, 1989, 1990, 1991, 1992.

PhD Admissions committee, 1989-90.

Scribe, community service records for department, 1989-90.

Chair, Committee Committee, 1987-88.

Appeals Committee, 1988.

Qualifier Reform Committee, Spring 1987.

Departmental Representative to Columbia College, 1985-86, 1986-87.

Departmental Representative to General Studies, Spring 1987.

Chairperson, AI qualifier committee, 1982 - present.

Chairperson, Committee on BA curriculum reform, 1983-84.

Participated in writing of NSF/STC proposal, fall 1987.

Participating in writing of DARPA renewal contract for March 1987.

University Service

Member, University-wide Tenure Advisory Committee, 2021-present.

Member, Provost's Committee on the University Libraries, 2015-2018.

Member, Just Societies Taskforce, 2016-2017.

Member, President's University Task Force on Precision Medicine, 2014-2015.

Member, Provost's Task Force on a Standing Committee for Tenure Review, 2010-2011.

Member, Selection Committee for Columbia Graduate Student Teaching Award, 2007-2011.

Outside reader, thesis defense committee, Sophie Guitte, Spring 2011.

Member, University Task Force on Diversity in Science and Engineering, 2005-2007.

Member, Committee on Undergraduate Program in Bio-Informatics, 2003-2005.

Member, Provost's Committee on Intellectual Property Rights, 2000.

Member, University Task Force on the Libraries, 1998-1999, 1999-2000.

Chair, CRIA Research Committee, 1995-1997.

Member, Dean Search Committee, 1994-1995.

Faculty Affairs, 1993-1994.

Task Force on Sexual Assault, 1994.

Member, Columbia Univ. Senate Commission on the Status of Women, 1994-96.

Chair, Columbia Univ. Senate Commission on the Status of Women, 1991-92, 1992-93, 1993-94.

Senator, Univ. Senate, 1992-1994

Speaker and Facilitator, Issues for Women, Columbia Univ. Forum on Diversity, Freshman Orientation, September 1992.

Panelist, Career Night, Society of Women Engineers, October 1992.

Spoke at Pre-freshman Orientation for Engineering Women, Society of Women Engineers, April 1988, April 1989.

Thesis committee: Susan Alexander, Teachers College, spring 1994; Pamela Wolf, Teachers College, spring 1992; Peter Lochiel Glidden, Teachers College, spring 1987; Beth King, Teachers College, spring 1990.

Organized AI Day, Spring 1987, attended by many departments of the University.

Arranged for the 24th Annual Meeting of the Association for Computational Linguistics to be held at Columbia University in June 1986. This is a national organization and a well-known conference, with approximately 500 attending in June. Allowed Columbia University students and associates to easily attend conference. In addition, gave national recognition to Columbia as a sponsor of such a conference.

Organized Cognitive Science Seminar Series jointly with Prof. Jim Corter, held jointly with Dept. of Psychology, Dept. of Philosophy, Dept. of Linguistics (Barnard), Dept. of Psychology (Teachers College), Spring 1985.

Outside reader on the defense committee of Peter Ludlow, Dept. of Philosophy, Columbia College, Spring 1985.

Outside reader on defense committee of Elizabeth M. Reiss, November 1983, Teachers College.

Outside reader on defense committee of Thomas Eblen, Teachers College, 1984.