

## SUSAN HALLER

Computer Science Department  
State University of New York College at Potsdam  
Potsdam, New York 13676

February 2016

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## RESEARCH INTERESTS

Computer Science Education, Women in Computer Science, Artificial Intelligence, Interactive Natural Language Processing, Discourse Processing, Text Planning

## EDUCATION

B.S., 1976, Cornell University, Ithaca, NY (Statistics and Biometry)

M.A.T., 1977, Cornell University, Ithaca, NY (Mathematics Education)

M.B.A., 1984, University at Buffalo, Buffalo, NY

M.S., 1988, University at Buffalo, Buffalo, NY (Computer Science)

Ph.D., 1995, University at Buffalo, Buffalo, NY (Computer Science)

## WORK EXPERIENCE

2009 *Professor*, Computer Science Department, State University of New York College at Potsdam, Potsdam, NY

2005–2009 *Associate Professor*, Computer Science Department, State University of New York College at Potsdam, Potsdam, NY

2007–2008 *Associate Professor and Interim Chair*, Computer Science Department, State University of New York College at Potsdam, Potsdam, NY

1999–2005 *Associate Professor*, Computer Science Department, University of Wisconsin – Parkside, Kenosha, WI

1994–1999 *Assistant Professor*, Computer Science Department, University of Wisconsin – Parkside, Kenosha, WI

1981–1994 *Associate Professor, Assistant Professor, Instructor* Department of Mathematics and Computer Science, Erie Community College, Buffalo, NY (tenure granted)

1989–1990 *Research Assistant*, Center for Cognitive Science University at Buffalo, Buffalo, NY

Summer 1989 *Research Assistant*, The National Center for Geographic Information and Analysis University at Buffalo, Buffalo, NY

1984–1986 *Department Coordinator*, Mathematics/Computer Science Department, Erie Community College, South Campus, Buffalo, NY

1980–1981 *Mathematics Teacher*, Iroquois Central Junior High School, Elma, NY

1979–1980 *Chair*, Mathematics Department Spencerport Central High School, Spencerport, NY

1977–1980 *Mathematics Teacher*, Spencerport Central High School, Spencerport, NY (tenure granted)

## GRANTS

1995-1997	National Science Foundation Research Planning Grant and Career Advancement Award for Women Scientists and Engineers (IRI-9523666), <i>A computational model for mixed-initiative, interactive discourse</i>	\$18,000
1997	SC Johnson Wax Fund, <i>Transitioning women from classroom to workplace</i>	\$5,000
1997-1999	Co-PI, National Science Foundation, Instrumentation and Laboratory Improvement (DUE-9751274), <i>A computer science laboratory</i>	\$48,017
1998-1999	National Science Foundation, Professional Opportunities for Women in Research and Education (Supplement to DUE-9751274)	\$13,992
2000-2004	Co-PI, National Science Foundation, Information Technology Workforce (ITW-0089957), <i>Predictors of Women's Interest and Retention in Undergraduate IT Majors</i>	\$428,367
2010-2014	Co-PI, National Science Foundation, Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM-0966101), <i>Computer Science Leadership and Practice (CS-LEAP) Scholarship Program</i>	\$573,370

## HONORS AND AWARDS

- 1990 NSF International Travel Award to participate in the NATO Advanced Study Institute on *Cognitive and Linguistic Aspects of Geographic Space*, Las Navas del Marques, Spain, July, 1990.
- 1993 President's Award for Professional Growth, Erie Community College, Buffalo, NY.
- 1993 American Association of Artificial Intelligence Travel Award to participate in the AAAI Fall Symposium on *Human-Computer Collaboration*, Raleigh, NC, October 1993.
- 1994 International Generation Workshop Travel Award to participate in the Seventh International Generation Workshop, Kennebunkport, ME, June 1994.
- 1994 American Association of Artificial Intelligence Travel Award to participate in the AAAI Fall Symposium on *Knowledge Representation for Natural Language Processing in Implemented Systems*, New Orleans, LA, November, 1994.
- 1995 National Science Foundation Undergraduate Faculty Enhancement Travel Award to participate in the UFE workshop on *Providing and Integrating Educational Resources for Faculty Teaching Artificial Intelligence*, Temple University, Philadelphia, PA June 1995.
- 1997 National Science Foundation Undergraduate Faculty Enhancement Travel Award to participate in the UFE workshop on *Course and Curriculum Change Using C++ and the Closed Laboratory Model*, University of Virginia, Charlottesville, VA, July 1997.
- 1998 United States Information Service Travel Award and Honorarium, to teach at *The Summer School on Formal Grammars and their Applications* held at the University of Tartu, Tartu, Estonia, August 24-25, 1998.
- 1999 Computing Research Association Travel Award to participate in a CRA Workshop: Careers for Women in Computer Science, April 30-May 1, 1999, Atlanta, Georgia.
- 2000 Equity Initiative Recognition Award for "Contributions to Equity for Women and Girls" presented by the Wisconsin American Association of University Women.
- 2002 Governor's Honor Reception for "Build Wisconsin" for selected researchers from each of the UW campuses.
- 2002 National Science Foundation Travel Award to participate in in *Bootstrapping Computer Science Education Research*, University of Washington-Tacoma, Tacoma, WA, June 2002/2003.
- 2005 In Her Footsteps Award for selected female faculty at UW-Parkside, March 22, 2005.
- 2006 Student Support Services Students' Choice Award at SUNY Potsdam, Fall 2006.
- 2008 Committee on the Status of Women in Computing (CRA-W) Travel Award to participate in the Advanced Career Mentoring Workshop (CAPP), Santa Fe, NM, November 2008.

## TEACHING

- SUNY Potsdam: Computer Science I & II (Data Structures), Theory of Computation, Analysis of Algorithms, Computer Architecture, Programming Languages, Probability and Statistics
- UW -Parkside: Computer Science I & II (Data Structures), Computer Organization, Computer Architecture, Programming Languages, Operating Systems and Distributed Systems, Artificial Intelligence, Computational Theory, Probability and Statistics
- University at Buffalo: Computer Science I, Functional Programming, Computer Architecture, Calculus I & II

## PUBLICATIONS

### Journal Articles

- [1] Haller, S. M. Planning text about plans interactively. *International Journal of Expert Systems*, 9 (1) 85-112, 1996.
- [2] McRoy, S. W., Haller, S. M., and Ali, S. S. Uniform knowledge representation for language processing in the B2 system. *Journal of Natural Language Engineering*, 3 (2/3) 123-145, 1997.
- [3] Haller, S. M., An introduction to interactive discourse processing from the perspective of plan recognition and text planning, *Artificial Intelligence Review*, 13 (4) 259-311, 1999.

- [4] Beyer, S., Rynes, K., and Haller, S. Deterrents to women taking computer science courses. *IEEE Technology and Society Magazine*, 23 21–28, 2004.
- [5] Fossum, T. and Haller, S. Measuring card sort orthogonality. *Expert Systems*, 22 (3) 139-146, 2005.
- [6] Beyer, S. and Haller, S. Gender differences and intra-gender differences in computer science students: Are female CS majors more similar to male CS majors or female non-majors? *Journal of Women and Minorities in Science and Engineering*, 12 337-365, 2006.
- [7] Voyles, M., Fossum, T. and Haller, S. Teachers respond functionally to student gender differences. *Journal of Research in Science Teaching*, 45 (3) 322-345, 2008.
- [8] Di Eugenio, B., Fossati, Haller, S., Yu, D., and Glass, M. Be brief, and they shall learn: generating concise language feedback for a computer tutor. *International Journal of Artificial Intelligence in Education*, 18 317-345, 2008.
- [9] Voyles, M., Fossum, T., and Haller, S. (2009). Teachers decision making: is it gender biased? *The Science Education Review*, 9, 94-98.

#### **Edited Journals**

- [1] Haller, S. M. and McRoy, S. W. (guest editors), Special Issue on Computational Models for Mixed-Initiative Interaction, *User Modeling and User-Adapted Interaction*, 8 (3/4), 1998.
- [2] Russell, I. and Haller, S. (guest editors), Special Issue on Tools and Techniques of Artificial Intelligence, *International Journal of Pattern Recognition and Artificial Intelligence*, 17 (5), 2003.
- [3] Haller, S. and Russell, I. (guest editors), Special Issue on Selected Papers from the Florida AI Research Symposium, *International Journal for Artificial Intelligence Tools*, 13 (1), 2004.

#### **Book Chapters**

- [1] Haller, S. M. and Shapiro, S. C. IDP – an interactive discourse planner. In M. Zock and G. Adorni editors, *Trends in Natural Language Generation*, 144–167, Springer-Verlag Publishers, 1996.
- [2] McRoy, S., Ali, S., and Haller S. M. Mixed depth representations for dialog processing. In L. Iwanska and S. C. Shapiro editors, *Natural Language Processing and Knowledge Representation: Language for Knowledge and Knowledge for Language*, AAAI/MIT Press, 2000.

#### **Refereed Conferences**

- [1] Neal, J. G., Thielman, C. Y., Dobes, Z., Haller, S. M., Glanowski, S., and Shapiro, S. C. CUBRICON: A multi-modal user interface. In *Proceedings of the GIS/LIS '89 Conference*, Orlando, FL, November 1989.
- [2] Haller, S. M. and Mark, D. M. Knowledge representation for understanding geographical locatives. In *Proceedings of the 4th International Symposium on Spatial Data Handling*, 465–477, Zurich, Switzerland, July 1990.
- [3] Haller, S. M. and Ali, S. Using focus for generating felicitous locative expressions. In *Proceedings of the Third International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems*, 472–477, Charleston, SC, July 1990.
- [4] Haller, S. M. A model for interactive plan explanation. In *Proceedings of the Sixth Australian Joint Conference on Artificial Intelligence*, 371–376, Melbourne, Australia, November 1993.
- [5] Kumar, D., Haller, S. M., and Ali, S. Toward a unified AI formalism. In *Proceedings of the 27th Hawaii International Conference of System Sciences*, 92–101, Maui, HI, January 1994.
- [6] Haller, S. M. A model for cooperative interactive plan explanation. In *Proceedings of the Tenth IEEE Conference on Artificial Intelligence for Applications*, 254–260, San Antonio, TX, March 1994.
- [7] Haller, S. M. Representing discourse for efficient interactive generation. *Proceedings of the Seventh Annual Florida Artificial Intelligence Research Symposium*, 179–183, Pensacola Beach, FL, May 1994.
- [8] Haller, S. M. Detecting digressions using a model for interactive generation. *Proceedings of the Tenth Canadian Conference on Artificial Intelligence*, 1–8, Banff, Alberta, Canada, May 1994.

- [9] Haller, S. M. Answering questions in cooperation with the asker. *Proceedings of Energy-Sources Technology Conference - Software Systems in Engineering*, 227-232, The American Society of Mechanical Engineers, Houston, TX, January 1995.
- [10] Ali, S. S. and Haller, S. M. Interpreting spread sheet data for human-agent interactions. In *Proceedings of the Ninth Florida Artificial Intelligence Research Symposium*, 329-333, Key West, FL, May 1996.
- [11] McRoy, S. W., Haller, S. M., and Ali, S. B2: An interactive tool for explaining Bayesian reasoning in natural language. *Proceedings of the Energy Week Conference - Energy Engineering Energy Information Management Track*, 153-159, The American Society of Mechanical Engineers, Houston, TX, January 1997.
- [12] Haller, S. A model for selecting an initial discourse goal using plan recognition. *Proceedings of the IASTED International Conference on Artificial Intelligence and Soft Computing*, 276-279, International Association of Science and Technology for Development, Banff, Alberta, Canada, June 1997.
- [13] Haller, S. and Fossum, T. Retaining women in CS with accessible role models. *Proceedings of the Twenty-ninth SIGCSE Technical Symposium on Computer Science Education*, 73-76, Association for Computing Machinery (ACM) Special Interest Group on Computer Science Education, Atlanta, GA, February, 1998.
- [14] McRoy, S. W., Ali, S. S., and Haller, S. M. Mixed depth representations for dialog processing. *Proceedings of the 20th Annual Conference of the Cognitive Science Society*, 687-692, Madison, WI, August 1998.
- [15] Voyles, M., Guttschow, G., Fossum, T. and Haller, S. Gender differences in learning computer programming. *National Association for Research in Science Teaching*, St. Louis, MO, March 2001,
- [16] Haller, S. and Fossum, T. The association between subject matter and discourse segmentation. *Proceedings of the Fourteenth Florida Artificial Intelligence Research Symposium*, 428-432, Key West, FL, May 2001.
- [17] Fossum, T. and Haller, S. Using protocols to model mixed-initiative interaction. *Proceedings of the IASTED International Conference on Artificial Intelligence and Soft Computing*, International Association of Science and Technology for Development, Cancun, May 2001,
- [18] Haller, S., Di Eugenio, B., and Trolio, M. Generating natural language aggregations using a propositional representation of sets. *Proceedings of the Fifteenth Florida Artificial Intelligence Research Conference*, 365-369, Pensacola, FL, May 2002.
- [19] Beyer, S., Rynes, K., Perrault, J., Hay, K., and Haller, S. Gender differences in computer science students. *Proceedings of the Thirty-fourth SIGCSE Technical Symposium on Computer Science Education*, 49-53, Association for Computing Machinery (ACM) Special Interest Group on Computer Science Education, Reno, NV, February, 2003.
- [20] Haller, S. and Di Eugenio, B. Minimal text structuring to improve the generation of feedback in intelligent tutoring systems. *Proceedings of the Sixteenth Florida Artificial Intelligence Research Conference*, 382-386, St. Augustine, FL, May 2003.
- [21] Fossum, T. and Haller, S. Reinforcing programming language concepts through implementation in a concept-based course. *Proceedings of the Consortium for Computing Sciences in Colleges*, Ellensburg, WA, October 2003. Published in *The Journal of Computing Sciences in Colleges*, 19 (2) 82-90, 2003.
- [22] Murphy, L., McCauley, R., Westbrook, S., Fossum, T., Haller, S., Morrison, B., Richards, B., Sanders, K., Zander, C., and Anderson, R. A multi-institutional investigation of computer science seniors' knowledge of programming concepts. *Proceedings of the Thirty-sixth SIGCSE Technical Symposium on Computer Science Education*, 510-514, Association for Computing Machinery (ACM) Special Interest Group on Computer Science Education, St. Louis, MO, February, 2005.
- [23] Di Eugenio, B., Fossati, D., Yu, D., Haller, S., and Glass, M. Aggregation improves learning: experiments in natural language generation for intelligent tutoring systems. *Proceedings of the Forty-third Annual Meeting of the Association of Computational Linguistics*, 50-57, Ann Arbor, MI, June 2005.
- [24] Fossum, T. and Haller, S. A new quantitative assessment tool for computer science programs. *Proceedings of the Tenth Annual Conference on Innovation and Technology in Computer Science Education*, 153-157, Lisbon, Portugal, June 2005.

- [25] Di Eugenio, B., Fossati, D., Yu, D., Haller, S., and Glass, M. Natural language generation for intelligent tutoring systems: a case study. *Proceedings of the Twelfth International Conference on Artificial Intelligence in Education*, Amsterdam, The Netherlands, July 2005.
- [26] Voyles, M., Haller, S., and Fossum, T. Teacher responses to student gender differences. *Proceedings of the Twelfth Annual Conference on Innovation and Technology in Computer Science Education*, Dundee, Scotland, June 2007.

#### Letters and Reviews

- [1] Haller, S. M. Book review: P. R. Cohen, Jerry Morgan, and Martha E. Pollack (eds.), *Intentions in Communication*. *Minds and Machines: Journal for Artificial Intelligence, Philosophy, and Cognitive Science*, 1(2) 226-229, 1991.
- [2] Haller, S. M. Representing discourse for collaborative interactive generation. *Knowledge-Based Systems*, 7 (4) 274-276, 1994.

#### Posters, Panels, Special Sessions

- [1] Haller, S. M. and Ali, S. Planning responses in reaction to user feedback. *Proceedings of the Seventh International Conference on Tools with Artificial Intelligence* 498-500, The IEEE Computer Society, Washington, D.C., November 1995.
- [2] Fossum, T. and Haller, S. Measuring Card Sort Complexity. *Twenty-sixth Annual Meeting of the Cognitive Science Society*, Chicago, IL., August 2004.
- [3] Haller, S., Ladd, B., Leutenegger, S., Nordlinger, J., Paul, J., Walker, H., and Zander, C. "Games: Good/Evil", *Proceedings of the 39th ACM Technical Symposium on Computer Science Education (SIGCSE)* (Portland, OR) March 2008.

#### Peer-reviewed Workshops

- [1] Neal, J. G., Thielman, C. Y., Dobes, Z., Haller, S. M., and Shapiro, S. C. Natural language with integrated deictic and graphic gestures. In *Proceedings of the DARPA Workshop on Speech and Natural Language*, 1989.
- [2] Haller, S. M. Interactive generation of plan justifications. In *Proceedings of the Fourth European Workshop on Natural Language Generation*, 79-90, Pisa, Italy, April 1993.
- [3] Haller, S. M. Planning for intentions with rhetorical relations. In *Proceedings of the Workshop on Intentionality and Structure in Discourse Relations*, 23-26, sponsored by the Association for Computational Linguistics, Columbus, OH, June 1993.
- [4] Haller, S. M. Collaboration in an interactive model of plan explanation. In *Working Notes of the AAAI Fall Symposium on Human-Computer Collaboration: Reconciling Theory, Synthesizing Practice*, 40-45, Raleigh, NC, October 1993. [Available as AAAI Technical Report FS-93-05].
- [5] Haller, S. M. Recognizing digressive questions during interactive generation. In *Proceedings of the Seventh International Workshop on Natural Language Generation*, 181-188, Kennebunkport, ME, June 1994.
- [6] Haller, S. M. Recognizing plans to use. In *Proceedings of the AAAI Workshop on Planning for Inter-agent Communication*, Seattle, WA, August 1994.
- [7] Haller, S. M. Recognizing digressive questions. In *Working Notes of the AAAI Fall Symposium on Knowledge Representation for Natural Language Processing in Implemented Systems*, 54-63, New Orleans, LA, November 1994. [Available as AAAI Technical Report FS-94-04.]
- [8] McRoy, S., Liu-Perez, A., Haller, S., and Helwig, J. B2: A tutoring shell for Bayesian networks that supports natural language interaction. In *Working Notes of the AAAI Spring Symposium on Artificial Intelligence in Medicine: Applications of Current Technologies*, 114-118, Stanford University, Palo Alto, CA, March 1996.
- [9] Haller, S. M., McRoy, S. W., and Ali, S. S., Toward a model for mixed initiative in dialogic discourse. In *Working Notes of the AAAI Spring Symposium on Computational Models for Mixed Initiative Interaction*, 78-80, Stanford University, Palo Alto, CA, March 1997. [Available as AAAI Technical Report SS-97-04.]

- [10] Haller, S. M. and Fossum, T. V., Using protocols to model mixed initiative interaction. In *Working Notes of the AAAI Workshop on Mixed-Initiative Intelligence*, 135–141, Orlando, FL, July, 1999.
- [11] Fossum, T. V., Haller, S. M., Voyles, M. M., and Guttschow, G. L., A gender-based study of elementary school children working with Robolab. In *Working Notes of the AAAI Spring Symposium Workshop on Robotics and Education*, Stanford University, Palo Alto, CA, March, 2001.
- [12] Di Eugenio, B., Glass, M., Trolio, M., and Haller, S. Simple natural language generation and intelligent tutoring systems. In *Workshop on Tutorial Dialogue Systems at the 10th International Conference on Artificial Intelligence and Education*, San Antonio, TX, May 2001.
- [13] Di Eugenio, B., Haller, S., and Glass, M. Development and evaluation of NL interfaces in a small shop. In *AAAI Spring Symposium on Natural Language Generation in Spoken and Written Dialogue*, Stanford University, Palo Alto, CA, March 2003.

#### Other Published Articles

- [1] Neal, J. G., Thielman, C. Y., Dobes, Z., Haller, S. M., and Shapiro, S. C. Natural language with integrated deictic and graphic gestures. in *Readings in Intelligent User Interfaces*, M. Maybury and W. Wahlster eds., 38–52, 1998.
- [2] Simon, B., Fitzgerald, S., McCauley, R., Haller, S., Hamer, J., Hanks, B., Helmick, M., Moström, Sheard, J., and Thomas, L., “Debugging assistance for novices: a video repository”, *Inroads - SIGCSE Bulletin*, 39 (4) 137-151, 2007.

#### Technical Reports Not Otherwise Published

- [1] Haller, S. M. Spatial relations and locative phrase generation in a map context. National Center for Geographic Information and Analysis, Report 89-14, Santa Barbara, CA, 1989.
- [2] Haller, S. M. and Di Eugenio, B. Text structuring to improve the presentation of aggregated content. University of Illinois - Chicago, Report UIC-CS-02-02, Chicago, IL, 2002.
- [3] Simon, B., Fitzgerald, S., McCauley, R., Haller, S., Hamer, J., Hanks, B., Helmick, M., Moström, Sheard, J., and Thomas, L., Debugging assistance for novices: a video repository, *Inroads - SIGCSE Bulletin*, 39 (4) 137-151, 2007.

### PROFESSIONAL SERVICE ACTIVITIES

- 1986–1989 –*Grant Evaluator*, State University of New York Research Foundation. Reviewed grant proposals for the improvement of undergraduate courses in mathematics and computer science.
- 1993 –*Referee*, Hawaii International Conference on System Sciences, Track on Emerging Paradigms for Intelligent Systems, Maui, HI, January 1994.
- 1994 –*Grant Evaluator*, Division of Information, Robotics, and Intelligent Systems, National Science Foundation  
–*Referee*, Florida Artificial Intelligence Research Symposium, Melbourne, FL, April 1995.  
–*Referee*, Hawaii International Conference on System Sciences, Track on Emerging Paradigms for Intelligent Systems, Maui, HI, January 1995.
- 1995 –*Referee*, The Third International Conference on Document Analysis and Recognition, Montreal, Canada, August, 1995.  
–*Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, January 1995.  
–*Referee*, SIGCSE Technical Symposium on Computer Science Education, Philadelphia, PA, February 1996.  
–*Referee*, Florida Artificial Intelligence Research Symposium, Key West, FL, May 1996.

- 1996
- Chair*, Session on Natural Language in Human-Computer Interfaces, Computers in Engineering Symposium, Energy Week Conference and Exhibition, Houston, TX, January 1996.
  - Grant Evaluator*, State of Louisiana Board of Regents, Research and Development Program of the Louisiana Education Quality Support Fund, January 1996.
  - Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, January 1996.
  - Co-chair*, Florida Artificial Intelligence Research Symposium Special Track on Information Interchange, Key West, FL, May 1996.
  - Reviewer*, IEEE Computer, Special Issue on Interactive Natural Language Processing, July 1996.
  - Program Committee Member*, AAAI Workshop: Detecting, Repairing, and Preventing Human-Machine Miscommunication, Portland, OR, August 1996.
  - Referee*, SIGCSE Technical Symposium on Computer Science Education, San Jose, CA, March 1997.
  - Referee*, Florida Artificial Intelligence Research Symposium, Daytona Beach, FL, May 1997.
- 1997
- Chair*, Session on Natural Language in Human-Computer Interfaces, Computers in Engineering Symposium, Energy Week Conference and Exhibition, Houston, TX, January 1997.
  - Chair*, AAAI Spring Symposium on Mixed Initiative Interaction, Stanford University, Palo Alto, CA, March 1997.
  - Referee*, SIGCSE Technical Symposium on Computer Science Education, Atlanta, GA, February 1998.
  - Grant Evaluator*, Division of Computer Information Sciences, Information and Intelligent Systems, National Science Foundation, November 1997.
- 1998
- Grant Evaluator*, Division of Computer Information Sciences, Information and Intelligent Systems, National Science Foundation, March 1998.
  - Co-chair*, Special Track on Natural Language Processing, Florida Artificial Intelligence Research Symposium, Sanibel Island, FL, May 1998.
  - Referee*, International Natural Language Generation Workshop, Niagara-on-the-Lake, Ontario, Canada, August, 1998.
  - Program Committee Member*, AAAI Workshop: Representations for Multi-modal Human-computer Interaction, Madison, WI, July 1998.
  - Referee*, SIGCSE Technical Symposium on Computer Science Education, New Orleans, LA, March, 1999.
  - Referee*, Florida Artificial Intelligence Research Symposium, Orlando, FL, May 1999.
- 1999
- Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, August, 1999.
  - Proceedings Chair*, SIGCSE Technical Symposium on Computer Science Education, Austin, TX, March, 2000.
  - Referee*, SIGCSE Technical Symposium on Computer Science Education, Austin, TX, March, 2000.
  - Referee*, Florida Artificial Intelligence Research Symposium, Orlando, FL, May 2000.
  - Referee*, International Conference on Computational Linguistics (COLING 2000), Saarbrücken, Germany, July, 2000.
- 2000
- Grant Evaluator*, Division of Computer Information Sciences, Information and Intelligent Systems, National Science Foundation, May, 2000.
  - Referee*, SIGCSE Technical Symposium on Computer Science Education, Charlotte, NC, March, 2001.
  - Referee*, Florida Artificial Intelligence Research Symposium, Key West, FL, May 2001.
- 2001
- Referee*, Association for Computational Linguistics (ACL 2001), Toulouse, France, July, 2001.
  - Grant Evaluator*, Information Technology Workforce, Division of Experimental and Integrated Activities, National Science Foundation, May, 2001.
  - Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, July, 2001.
  - Referee*, SIGCSE Technical Symposium on Computer Science Education, Cincinnati, OH, February, 2002.
  - Referee*, ITiCSE Conference on Innovation and Technology in Computer Science Education, Aarhus, Denmark, June, 2002.
  - Program Chair*, Florida Artificial Intelligence Research Conference, Pensacola, FL, May, 2002.

- 2002
- Reviewer*, IEEE Robotics and Automation Magazine, Special Issue on Robotics in Computer Science Education, 2002.
  - Referee*, SIGCSE Technical Symposium on Computer Science Education, Reno, NV, February, 2003.
  - Program Chair*, Florida Artificial Intelligence Research Conference, St. Augustine, FL, May, 2003.
  - Reviewer*, Computer Science Education, Special Issue on Human-Computer Interaction, 13(3), September, 2003.
- 2003
- Reviewer*, Journal of Pattern Recognition and Artificial Intelligence, 2003.
  - Program Committee*, KES 2003 Seventh International Conference on Knowledge-Based Intelligent Information and Engineering Systems , Oxford, England, September, 2003.
  - Referee*, SIGCSE Technical Symposium on Computer Science Education, Norfolk, VA, March, 2004.
  - Referee*, ITiCSE Conference on Innovation and Technology in Computer Science Education, Leeds, UK, June 2004.
  - Special Track Chair*, for User Modeling and HCI Approaches in Natural Language Generation, Florida Artificial Intelligence Research Conference, Miami, FL, May, 2004.
- 2004
- Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, February, 2004.
  - Reviewer*, IEEE Technology and Society Magazine, Intelligence, 2004.
  - Reviewer*, International Journal of Intelligent Systems, 2004.
  - Referee*, SIGCSE Technical Symposium on Computer Science Education, St. Louis, MO, March, 2005.
  - Referee*, ITiCSE Conference on Innovation and Technology in Computer Science Education, Monte da Caparica, Portugal, June 2005.
  - Secretary*, Florida Artificial Intelligence Research Society (FLAIRS).
- 2005
- Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, February, 2005.
  - Reviewer*, Journal on Educational Resources in Computer Science Education (JERIC), July 2005.
  - Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, July, 2005.
  - Reviewer*, IEEE Technology and Society Magazine, December 2005.
  - Secretary*, Florida Artificial Intelligence Research Society (FLAIRS).
- 2006
- Program co-chair*, SIGCSE Technical Symposium on Computer Science Education, Houston, TX, March, 2006.
  - Referee*, Human Language Technology Conference - North American Chapter of the Association for Computational Linguistics annual meeting (HLT-NAACL), May, 2006.
  - Reader*, Educational Testing Service Advance Placement Examination in Computer Science, June, 2006.
  - Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, July, 2006.
  - Secretary*, Florida Artificial Intelligence Research Society (FLAIRS).
  - Associate Editor*, International Journal on Artificial Intelligence Tools (IJAIT)
- 2007
- Conference co-chair*, SIGCSE Technical Symposium on Computer Science Education, Covington, KY, March, 2007.
  - Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, March, 2007.
  - Referee*, 45th Annual Meeting of the Association for Computational Linguistics, Prague, June, 2007.
  - Referee*, Conference on Empirical Methods in Natural Language Processing and Computational Natural Language Learning (Joint Meeting Following ACL 2007), Prague, June, 2007.
  - Referee*, ITiCSE Conference on Innovation and Technology in Computer Science Education, Dundee, Scotland, June 2007.
  - Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, July, 2007.
  - Secretary*, Florida Artificial Intelligence Research Society (FLAIRS).
  - Associate Editor*, International Journal on Artificial Intelligence Tools (IJAIT)



- 2008
- Referee*, SIGCSE Technical Symposium on Computer Science Education, Portland, OR, March 2008.
  - Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, March, 2008.
  - Referee*, ITiCSE Conference on Innovation and Technology in Computer Science Education, Madrid, Spain, June 2008.
  - Secretary*, Florida Artificial Intelligence Research Society (FLAIRS).
  - Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, July, 2008.
  - Associate Editor*, International Journal on Artificial Intelligence Tools (IJAIT)
- 2009
- Referee*, SIGCSE Technical Symposium on Computer Science Computer Science Education, Chattanooga, TN, March 2009.
  - Conference Chair and Treasurer*, Florida Artificial Intelligence Research Symposium (FLAIRS), to be held May 2009, Sanibel Island, FL.
  - Associate Editor*, International Journal on Artificial Intelligence Tools (IJAIT)
  - Associate Editor*, ACM Transactions in Computer Science Education (TOCE)
  - Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, July, 2009.
- 2010
- Referee*, SIGCSE Technical Symposium on Computer Science Computer Science Education, Milwaukee, March 2010.
  - Associate Editor*, International Journal on Artificial Intelligence Tools (IJAIT)
  - Associate Editor*, ACM Transactions in Computer Science Education (TOCE)
  - Treasurer*, Florida Artificial Intelligence Research Society (FLAIRS).
  - Guest Presenter*, Computing Research Association–Women Advanced Career Mentoring Workshop, Providence, RI, June 2010.
  - Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, July, 2010.
  - Referee*, SIGCSE Technical Symposium on Computer Science Computer Science Education, Dallas, TX, March 2011.
- 2011
- Associate Editor*, International Journal on Artificial Intelligence Tools (IJAIT)
  - Associate Editor*, ACM Transactions in Computer Science Education (TOCE)
  - Treasurer*, Florida Artificial Intelligence Research Society (FLAIRS).
  - Grant Evaluator*, Division of Undergraduate Education, National Science Foundation, July, 2011.
  - Referee*, SIGCSE Technical Symposium on Computer Science Computer Science Education, Raleigh, NC, February 2012.

## PROFESSIONAL AFFILIATIONS

Association for Computing Machinery (ACM) • Special Interest Group in Computer Science Education (ACM/SIGCSE) • Special Interest Group in Natural Language Generation (ACL/SIGGEN) • Special Interest Group in Dialogue (SIGdial)

## UNIVERSITY SERVICE ACTIVITIES

- 1984–1986 – Coordinator, Mathematics and Computer Science Department, Erie Community College
- 1995–present – Women’s Studies Steering Committee, University of Wisconsin–Parkside
- 1996–present – Organizing Committee, Women and Science Day, University of Wisconsin–Parkside
- 1996–present – Advisor to the Computer Science Club, University of Wisconsin–Parkside
- 1996–1999 – Awards and Ceremonies Committee, University of Wisconsin–Parkside
- 1997–1998 – Search and Screen Committee for Chancellor of the University of Wisconsin–Parkside
- 1997–present – Advisory Board, University of Wisconsin System Women and Science Program
- 1998–2000 – Committee on Research and Creative Activity, University of Wisconsin–Parkside
- 1998–1999 – Course and Curriculum Committee, University of Wisconsin–Parkside
- 1999–2000 – Chair, Course and Curriculum Committee, University of Wisconsin–Parkside
- 2000–2001 – Search and Screen Committee for Vice Chancellor/Provost of the University of Wisconsin–Parkside
- 2001–2002 – University Committee (1 year), University of Wisconsin–Parkside
- Course and Curriculum Committee, University of Wisconsin–Parkside
- Steering Committee, Institute for Community Based Learning, University of Wisconsin–Parkside
- 2002–2003 – Chair, Course and Curriculum Committee, University of Wisconsin–Parkside
- Steering Committee, Institute for Community Based Learning, University of Wisconsin–Parkside
- Committee on Research and Creative Activity, University of Wisconsin–Parkside
- 2003–2004 – Director of General Education, University of Wisconsin–Parkside
- Chair, Committee on Research and Creative Activity, of Wisconsin–Parkside
- Steering Committee, Institute for Community Based Learning, University of Wisconsin–Parkside
- Committee on Advising, University of Wisconsin–Parkside
- Provost’s Discussion and Planning Group for the American Democracy Project
- 2004–2005 – Director of General Education, University of Wisconsin–Parkside
- University Committee, University of Wisconsin–Parkside
- Steering Committee, Institute for Community Based Learning, University of Wisconsin–Parkside
- Committee on Academic Planning, University of Wisconsin–Parkside
- Committee on Advising, University of Wisconsin–Parkside
- 2005–2006 – Chair, Faculty Senate Admissions Committee, State University of New York Potsdam
- Faculty Senate Executive Committee, State University of New York Potsdam
- Mt. Emmons Scholarship Committee, State University of New York Potsdam
- John von Neumann Scholarship Committee, State University of New York Potsdam
- SUNY Faculty Senator Alternate, State University of New York Potsdam
- 2006–2007 – Chair, Faculty Senate Admissions Committee, State University of New York Potsdam
- Faculty Senate Executive Committee, State University of New York Potsdam
- Interdepartmental Programs Committee, State University of New York Potsdam
- Academic Standards Committee, State University of New York Potsdam
- Affirmative Action Committee, State University of New York Potsdam
- John von Neumann Scholarship Committee, State University of New York Potsdam
- SUNY Faculty Senator Alternate, State University of New York Potsdam
- 2007–2008 – Chair, Faculty Senate Admissions Committee, State University of New York Potsdam
- Faculty Senate Executive Committee, State University of New York Potsdam
- Interdepartmental Programs Committee, State University of New York Potsdam
- Academic Standards Committee, State University of New York Potsdam
- Affirmative Action Committee, State University of New York Potsdam
- John von Neumann Scholarship Committee, State University of New York Potsdam
- SUNY Faculty Senator Alternate, State University of New York Potsdam

- 2008-2009
  - Chair, Faculty Senate Admissions Committee, State University of New York Potsdam
  - Faculty Senate Executive Committee, State University of New York Potsdam
  - Academic Standards Committee, State University of New York Potsdam
  - John von Neumann Scholarship Committee, State University of New York Potsdam
  - SUNY Faculty Senator Alternate, State University of New York Potsdam
- 2009-2010
  - Chair, Faculty Senate Admissions Committee, State University of New York Potsdam
  - Faculty Senate Executive Committee, State University of New York Potsdam
  - Academic Standards Committee, State University of New York Potsdam
  - SUNY Faculty Senator Alternate, State University of New York Potsdam
- 2010-2011
  - Department Faculty Senate Representative, State University of New York Potsdam
  - SUNY Faculty Senator Alternate, State University of New York Potsdam
- 2011-2012
  - Secretary, Faculty Senate, State University of New York Potsdam
  - Faculty Senate Executive Committee, State University of New York Potsdam
  - SUNY Faculty Senator Alternate, State University of New York Potsdam
- 2012-2013
  - Secretary, Faculty Senate, State University of New York Potsdam
  - Faculty Senate Executive Committee, State University of New York Potsdam
  - SUNY Faculty Senator Alternate, State University of New York Potsdam
- 2013-2014
  - General Education Committee, State University of New York Potsdam
  - Secretary, Faculty Senate, State University of New York Potsdam
  - Faculty Senate Executive Committee, State University of New York Potsdam
  - SUNY Faculty Senator Alternate, State University of New York Potsdam
- 2014-2015
  - General Education Committee, State University of New York Potsdam
  - Admissions Committee, State University of New York Potsdam
  - SUNY Faculty Senator Alternate, State University of New York Potsdam
- 2015-2016
  - General Education Committee, State University of New York Potsdam
  - Admissions Committee, State University of New York Potsdam
  - SUNY Faculty Senator Alternate, State University of New York Potsdam