

NANETTE VEILLEUX, Ph.D
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Professional Preparation

Ph.D. Boston University, Boston, MA. Systems Engineering. May 1994
 Thesis Title: Computational Models of the Prosody/Syntax Mapping for Spoken Language Systems.
 Thesis committee: M. Ostendorf (advisor), C. Espy-Wilson, M. Meteer, S. Shattuck-Hufnagel.

M.S.E.E. Boston University, Boston, MA. Electrical Engineering, May 1988
 Masters Project Title: Waveform Modification with a Sinusoidal Model.
 Advisor: M. Ostendorf

Sc.B. Brown University, Providence, RI Biophysics. May 1979
 Senior Thesis: Clinical Exposure in Radiation Oncology Patients.
 Advisor: C. Orton

Primary Academic Appointments:

<u>Division Director</u> Mathematics, Computing and Statistics Division College of Computational, Organizational and Information Sciences	2017-present
<u>Professor and Lead</u> Computer Science and Informatics Program, Simmons College, Boston MA	2010-present (Professor: 2014-present Associate: 2006-2014, Assistant:1999-2006)
<u>Associate Dean for Research</u> School of Library and Information Sciences, Simmons College	2014-2017
<u>Research Affiliate</u> Research Lab of Electronics (RLE) Massachusetts Institute of Technology,	1999-present
<u>Visiting Professor, Fulbright Scholar</u> Computer Engineering Department Kilgali Institute of Science and Technology (KIST, now University of Rwanda, Kilgali),	Fall 2013
<u>Director of Graduate Admissions, Instructor</u> Boston University Metropolitan College	1994-1999

Courses taught at Simmons College: Computer Sciences standard programming courses (routinely, CS1 using Python, GUI Programming with Java, Data Structures, Computer Language Theory, Database Design and Implementation; less often, Algorithms, Object Oriented Design (Software Engineering)), special topics (Humanitarian Open Source Software) as well as service courses (IT 101 Living in a Digital Society and CS 111 The Science of Sound and Images) , Media and the Message (Simmons World

Challenge Intercession course, twice) and the Multidisciplinary Core Course (First Year Seminar). In addition, I mentor 3-7 Simmons undergraduates in independent studies and research experiences each semester.

Courses taught Elsewhere:

Kigali Institute of Science and Technology (2013), Signals and Systems, Object-Oriented Programming Boston University (1993-1999),

undergraduate courses: Signals and Systems, CS1 using C++, Data Structures, Discrete Math, Calculus

Graduate courses: Speech and Natural Language Processing, Foundations of Telecommunications

Awards:

Dean's Award for Excellence in Teaching, Simmons College, 2004

Fulbright U.S. Scholar Award, Rwanda, 2013

Provost's Diversity and Inclusion Fund (Intergroup Dialogues), 2011-12

Simmons Nomination for US Professor of the Year, 2015

President's Fund for Excellence (\$10000 award), 2016

Toby Sloane Award for Excellence in Teaching (\$10000 award), 2017

Recent Externally Funded Projects and Collaborations:

"Remote Participation at Scientific Conferences", National Science Foundation EAGER grant, \$25000 to Boston University (Speech Prosody 2016 Conference host institution, PI: Jon Barnes), 2016.

"Connection, Community, and Engagement in STEM Education (Large Empirical, Contextual Research Topics in STEM Education)", with Wilson, D., (University of Washington, Bates, R., (Minnesota State, Mankato). Plett, M., (Seattle Pacific), Floyd-Smith, T., (Tuskegee University). \$1M grant, \$200000 to Simmons, 2010-2016

"Collaborative Research: Integrating shape, scaling, and alignment in a global approach to FO events in intonation systems", National Science Foundation funded project with Jon Barnes (Boston University) and Shattuck-Hufnagel, S., (Massachusetts Institute of Technology), \$33,600 to Simmons, 2012- 2014

Fulbright United States Scholar, teaching position at Kigali Institute of Science and Technology, Rwanda, September –December 2013.

Collaborative Research Experience for Undergraduates (CREU) grants, as faculty mentor:

- 2017 CREU grant, "Automatic Interpretation of Speech Contours and Interlocutor Signaling", \$9000 for three Simmons students, AY17/18
- 2016 CREU grant, "Intonation and Evidence", \$7500 for two Simmons students, AY16/17
- 2015 CREU grant, "Teaching Coding Concepts through Gaming", \$10,200 for three Simmons students, AY15/16
- 2014 CREU grant, "Investigating Pitch Contour in Verbal Communicative Context", \$9000 for three Simmons students, AY14/15
- 2013 CREU grant recipient, "Individual Differences in Communication Gestures", \$13,000 for three Simmons students over AY13/14
- 2012 CREU grant, "A Computational Linguistics Approach to Inflection in Human Speech and Difference in Meaning", \$10,000 for three Simmons students, AY12/13

- 2007 MRO-W grant recipient, “Simmons College Sea Squirt Modelling Project”, \$8000 for two Simmons students. AY 07/08
- 2006 CRAW grant recipient, “Simmons College Transcript Retrieval Project”, \$4000 for two Simmons students, AY 06/07

Other Funded Projects and Collaborations:

- “College Of the Fenway STEM Scholars”, National Science Foundation funded collaboration with the Colleges of the Fenway to provide scholarships to STEM majors (4-6 Simmons students) (\$586,262, 2010-2013).
- “Collaborative Research: Global Measures of Tonal Alignment in a Level-based Theory of Intonational Phonology”, National Science Foundation, Collaboration with Jon Barnes (Boston University) and Shattuck-Hufnagel, S., (Massachusetts Institute of Technology), \$52,596.00 to Simmons College, 2008-2010
- “Prosodic Categories of American English in Form and Function”, National Science Foundation, Collaboration with Barnes, J. (Boston University) and Shattuck-Hufnagel, S. (Massachusetts Institute of Technology), \$20,096.00 to Simmons College, 2006-2009.
- “Tobi Workshop”, National Science Foundation ToBI workshop grant held at Simmons College, August 2004 (\$45000)
- “Teaching Web Programming in a Near-Peer After School Program”, near peer mentoring for 32 high school girls by 16 college students, Verizon, AY 2001, AY 2002. (\$100,000 over two years)
- “Phonetic Modification of Function Words: Implications for Human and Automatic Speech Processing”, National Science Foundation, Stevens, K. and Shattuck-Hufnagel, S.(Massachusetts Institute of Technology), Visiting Scientist, \$254,234.00, 1999-2002.

Other significant collaborations:

- Prosodic categories in Child and Atypical Adult Speech. Collaboration with Patel, R.(Northeastern University) and Shattuck-Hufnagel, S., (Massachusetts Institute of Technology)
- Tonal targets, Collaboration with Abeer Alwan (University of California, Los Angeles)
- Intonation and Meaning, Collaboration with Byron Ahn (Princeton University), Shattuck-Hufnagel, S., (Massachusetts Institute of Technology) and Brugos, A. (Boston University)

Selected Administrative Service:

Simmons College of Arts and Sciences

- Curriculum Committee, College of Arts and Science, Simmons College, 2003-2012, Chair 2006-2011
- Assessment Committee, College of Arts and Science, Simmons College, 2006-2014, Chair 2011-2013
- Faculty Senate, Simmons College, 2011-2013
- Director of the Multidisciplinary Core Course (first year seminar incorporating writing instruction and exploration of diversity and inclusion), 2010-2013
- Director of the Computer Science Department/ Program, 2010-2014 restructuring
- E1 Strategic Plan Working group chair, 2010
- New Faculty Mentor, 2008

Simmons School of Library and Information Sciences (post-2013 restructuring)

- Associate Dean for Research, School of Library and Information Science, 2014-2018

- Assessment Committee, School of Library and Information Science, Simmons College, 2014-2018
- Director of the Computer Science Program, 2010 (prior restructuring in 2013)
- Director of the Information Science and Technology Concentration, Master in Science, Library and Information Sciences Program, 2016-2018
- Dean's Advisory Board on Diversity and Inclusion, 2015-2018
- Dean's Operational Committee, 2014 – present
- Simmons STEM working group (college wide), 2015-2019

Service to the Profession

Workshops/ Meetings or Symposia Organized:

- Speech Prosody 2016, May 31-June 3, 2016, Biannual International Meeting of Speech Scientists, Local organizer, Remote Participation coordinator and Scientific Committee. Arranged meeting site, recruited and assigned papers and organized feedback from reviewers, investigated and supervised livestream, robots and skype for remote presenters and audience. Attendance: 335.
- Intergroup Dialogs (IGD) Training, Simmons College, May 2011, Organized training for Simmons staff and faculty in Intergroup Dialogs, Attendance: 25
- ToBI Workshop on Spontaneous Speech. Simmons College, August 2004. Speech Scientists met for in depth discussion of the state of the ToBI transcription system. Product: MIT Opencourseware tutorial. Attendance: 40.
- ToBI for Spontaneous Speech, Columbia University, Feb 2003. Original developers of the ToBI prosodic labeling system met in NYC to discuss the difficulties in applying the system to spontaneous speech. Product: NSF funded ToBI workshop. Attendance: 5

Reviews and Panels

- Review for Computer, Speech and Language, 2018-present
- Reviewer for ISCA Speech Prosody Conference 2008-present
- Reviewer for Interspeech Conferences, 2011-present
- Reviewer for Experimental and Theoretical Advances in Prosody, 2016-present
- Reviewer for ACM Special Interest Group on Computer Science Education conferences, 2011-present
- Reviewer for Conference on Computer Science Education, New England, 2012, 2016, 2019
- Review Panelist for the National Science Foundation, 2014,2015, 2016, 2018, 2019, 2020
- Review Panelist for East Africa Fulbright Scholars Program, 2014-2016
- Reader (grader) for Computer Science AP exam: 2006-2007, 2009-2017, 2020
- CRA-W Mentors, invited presenter for webinar, "Best Practices for Faculty Mentors", September 9, 2016

Memberships:

International Speech Communication Association (ISCA)
 Association of Computing Machinery (ACM)
 National Coalition for Women in Technology, Institutional Member (NCWIT)
 American Society for Engineering Education

Community Service:

- Transition House Board, Chair from 1995-1998, 2000-2005.
- Transition House Anniversary Committee, 2015-16

- Girls Get Connected Collaborative: Board member 2006-2009
- Sonia K Math Day, Simmons College. One day workshop for area high school girls, Spring 2005, 2006, 2010, 2011
- TechSavvy workshop for Boston teens, July 26, 2012
- Strong Women, Strong Girls, February 2016
- She's the First presentation on Rwandan STEM education, February 2014
- Science Club for Girls, Twine weeklong workshop, July 2017

Selected Journals and Book Chapters (peer reviewed)

- Allendoerfer, C., Veilleux, N., Floyd-Smith, T., Plett, M., Wilson, D., Bates, R., & Jones, D. C. (2019). Supporting students through faculty-student interactions: One high-engagement strategic approach. *Journal on Excellence in College Teaching*, 30(2).
- Wilson, D., Jones, D., Bocell, F., Crawford, J., Kim, M. J., Veilleux, N., Floyd-Smith, T., Bates, R. and Plett, M. (2015). Belonging and Academic Engagement Among Undergraduate STEM Students: A Multi-institutional Study. *Research in Higher Education*, 56(7), 750-776.
- Wilson, D., Jones, D., Kim, M. J., Allendoerfer, C., Bates, R., Crawford, J., Floyd-Smith, T., Plett, M. and Veilleux, N. (2014). The Link between Cocurricular Activities and Academic Engagement in Engineering Education. *Journal of Engineering Education*, 103(4), 625-651.
- Allendoerfer, C., Wilson, D., Bates, R., Crawford, J., Jones, D., Floyd-Smith, T., Plett, M., Scott, E., Veilleux, N. and Bates, R. (2012). Strategic pathways for success: The influence of outside community on academic engagement. *Journal of Engineering Education*, 101(3), 512-538.
- Allendoerfer, C., D. Wilson, R. Bates, J. Crawford, D. Jones, T. Floyd, Veilleux, N., (2012) "Strategic pathways for success: From social & extracurricular activity to academic engagement," *J. Engineering Education*.
- Barnes, J., Brugos, A., Shattuck-Hufnagel, S. and Veilleux, N. (2012) On the nature of perceptual differences between accentual peaks and plateaux. In *Oliver Niebuhr & Hartmut Pfitzinger (eds.), Prosodies: Context, Function, Communication. Berlin/New York: Mouton de Gruyter*.
- Barnes, J., Veilleux, N., Brugos, A. and Shattuck-Hufnagel, S. (2010). "Tonal Center of Gravity: A global approach to tonal implementation in a level-based intonational phonology." *Laboratory Phonology*.
- Shue, Yen-Liang, Shattuck-Hufnagel, S., Markus Iseli, Sun-Ah Jun, Veilleux, N. and Alwan A. (2010) "On the acoustic correlates of high and low nuclear pitch accents in American English", *Speech Communication*. 52 (2): 106-122.
- Barnes, J., Veilleux, N., Brugos, A. and Shattuck-Hufnagel, S. (2010) "Turning points, tonal targets, and the English L- phrase accent", *Language and Cognitive Processes*, Volume 25, Issue 7-9, 2010
- Ostendorf, M., Veilleux, N. (1994) "A Hierarchical Stochastic Model for Automatic Prediction of Prosodic Boundary Location," *Computational Linguistics* 20(1):27-54, January 1994
- Ostendorf, M., Wightman, C.W. and Veilleux, N. "Use of Prosody in Syntactic Disambiguation: An Analysis-by-Synthesis Approach," *Computer Speech and Language* 7, pp. 193--210, September 1993.

Selected Conference Presentations with Proceedings, peer reviewed

- Barnes, J, Brugos, A, Veilleux, N, Shattuck-Hufnagel, S,, "How prosodic prominence influences fricative spectra in English", *Proceedings of Speech Prosody 2020*

- Brugos, A., Langston, A., Shattuck-Hufnagel, S., Veilleux, N., (2019) A CUE-BASED APPROACH TO PROSODIC DISFLUENCY ANNOTATION, International Conference of Phonetic Science, Melbourne, Australia.
- Ahn, B., Veilleux, N., Shattuck-Hufnagel, S., (2019) ANNOTATING PROSODY WITH POLAR: CONVENTIONS FOR A DECOMPOSITIONAL ANNOTATION SYSTEM, International Conference of Phonetic Science, Melbourne, Australia.
- Barnes, J., Veilleux, N., Brugos, A., Shattuck-Hufnagel, S., (2019) THE INTERACTION OF TIMING AND SCALING IN A LEXICAL TONE SYSTEM: AN EXAMPLE FROM SHILLUK, International Conference of Phonetic Science, Melbourne, Australia.
- Allendoerfer, C., Veilleux, N., Floyd-Smith, T., Plett, M., Wilson, D., Bates, R., & Jones, D. C. (2019). Supporting students through faculty-student interactions: One high-engagement strategic approach. *Journal on Excellence in College Teaching*, 30(2).
- Barnes, J., Veilleux, N., Brugos, A. and Shattuck-Hufnagel, S. (2018). "The interaction of timing and scaling in the Shilluk lexical tone system." Paper presented at ETAP4, Amherst, MA, USA
- Ahn, B., Shattuck-Hufnagel, S., Veilleux, N. (2018) "PoLaR Annotation Conventions: A Tool for Annotating Prosodic Variation", Paper presented at ETAP4, Amherst, MA, USA.
- Brugos, A., Breen, M., Veilleux, N., Barnes, J. & Shattuck-Hufnagel, S. (2018) "Cue-based annotation and analysis of prosodic boundary events." *Proceedings of Speech Prosody 2018*, Poznan, Poland.
- Ahn, B., Shattuck-Hufnagel, S., Veilleux, N. (2016) Evidence and Intonational Contours: An Experimental Approach to Meaning in Intonation. *Proceedings of the Speech Science and Technology, 16th Australasian International Conference*, Parramatta, Australia, December, 2016
- Barnes, J., Brugos, A., Veilleux, N. and Shattuck-Hufnagel, S. (2015) "Perception of Pseudo-swedish tonal contrasts by native speakers of American English: Implications for models of intonation perception." *Proceedings of the 18th International Congress of Phonetic Sciences*. Glasgow, UK
- Wilson, D.M., Allendoerfer, C., Bates, R., Floyd-Smith, T., Plett, M. and Veilleux, N. (2015). Go Team! The Role of the Study Group in Academic Success. *Proceedings of the American Society of Engineering Education Conference*, June 2015.
- Wilson, D.M., Allendoerfer, C., Bates, R., Floyd-Smith, T., Plett, M. and Veilleux, N. (2015). How Engineering Students Study: Alone, Start Together, or Start Alone, End Together. *Proceedings of the American Society of Engineering Education Conference*, June 2015.
- Wilson, D.M., Jones, D., Bates, R., Floyd-Smith, T., Plett, M. and Veilleux, N. (2015). Sometimes Faculty Matter: The Contribution of Faculty Support to Future Engagement. *Proceedings of American Society of Engineering Education Conference*, June 2015.
- Plett, M., Wilson, D.M., Bates, R., Allendoerfer, C., Carlson-Jones, D., Floyd-Smith, T., Veilleux, N. and Hawkinson-Wasilewski, C. (2014). People Matter: The Role of Peers and Faculty in Students' Academic Engagement. *Proceedings of the American Society of Engineering Education Conference*, June 2014.
- Barnes, J., Brugos, A., Nanette Veilleux, N. and Shattuck Hufnagel, S. (2014) "Segmental Influences on the Perception of Pitch Accent Scaling in English." In *Proceedings of Speech Prosody 7*, Campbell, Gibbon, and Hirst (eds.), pp. 1125-1129..
- Wilson, D., Allendoerfer, C., Kim, M.J., Burpee, E., Bates, R., Floyd-Smith, T., Plett, M. and Veilleux, N. (2013). STEM Students outside the Classroom: The Role of the Institution in Defining Extracurricular Activity. *Proceedings of the American Society of Engineering Education Conference*, June 2013.
- Veilleux, N., Bates, R., Allendoerfer, C., Jones, D., Crawford, J. and Floyd-Smith, T. (2013): "The relationship between belonging and ability in computer science". *Proceedings of the Special Interest Group on Computer Science Education 2013*: 65-70

- Veilleux, N., Barnes, J., Brugos, A., Shattuck-Hufnagel, S. (2012) Perceptual Foundations for Naturalistic Variability in the Prosody of Synthetic Speech. Proceedings of INTERSPEECH 2012
- Barnes, J., Brugos, A., Veilleux, N., & Shattuck-Hufnagel, S. (2011). Voiceless Intervals and Perceptual Completion in F0 Contours: Evidence from Scaling Perception in American English. Proceedings of the International Conference of Phonetic Science *ICPhS 17*, Hong Kong.
- Barnes, J., Veilleux, N., Brugos, A. and Shattuck-Hufnagel, S. (2010) The effect of global F0 contour shape on the perception of tonal timing contrasts in American English intonation. Proceedings of Speech Prosody 6, Chicago, IL, May 2010.
- Chandlee, J., Veilleux, N., Gestural Cues of Discourse Segmentation (2010) Proceedings of Speech Prosody 6, Chicago, IL, May 2010.
- Veilleux, N., Shattuck-Hufnagel, S., (2008) "Automatic Detection of the Context of Acoustic Landmark Deletion", Proceedings of the International Conference on Spoken Language Processing, Brisbane, Australia, September 2008.
- Shue, Y-L., Shattuck-Hufnagel, S., Markus Iseli, Sun-Ah Jun, Veilleux, N., Alwan, A. (2008) "Effects of Intonational Phrase Boundaries on Pitch-Accented Syllables in American English", Proceedings of the International Conference on Spoken Language Processing, Brisbane, Australia, September 2008. (Best Student Paper Award for Shue)
- Brugos, A., Veilleux, N., Breen, M. Shattuck-Hufnagel, S. (2008) "The Alternatives (Alt) Tier for ToBI: Advantages of Capturing Prosodic Ambiguity", Proceedings of Speech Prosody 4, Campinas, Brazil, May 6, 2008.
- Shue, Y-L, Iseli, M., Veilleux, N., Shattuck-Hufnagel, S. and Alwan, A., (2007) "Pitch Accent versus Lexical Stress: Quantifying Acoustic Measures Related to the Voice Source Proceedings of the International Congress on Phonetic Science, Saarbrücken, Germany, August 2007.
- Veilleux, N., Brugos, A., Shattuck-Hufnagel, S., Patterson, A., (2007) "Distribution of Disfluencies and Errors in English Discourse", Proceedings of the International Congress on Phonetic Science, Saarbrücken, Germany, August 2007.
- Shattuck-Hufnagel, S. and Veilleux, N., (2007) "Robustness of acoustic landmarks in spontaneously-spoken American English", Proceedings of the International Congress on Phonetic Science, 2007.
- Barnes, J., Shattuck-Hufnagel, S., Brugos, A. and Veilleux, N., (2006) "The domain of realization of the L- phrase tone in American English", in the Proceedings of Speech Prosody 3, Dresden 2006.
- "Gesture marking of disfluencies in spontaneous speech", Yasinnik, Y., Shattuck-Hufnagel, S. and Veilleux, N. Proceedings of DiSS'05, Disfluency in Spontaneous Speech Workshop, September 2005.
- Shattuck-Hufnagel, S., Dille, L., Veilleux, N., Brugos, A., and Speer, R., (2003) "F0 peaks and Valleys Aligned with Non-Prominent Syllables can Influence Perceived Prominence in Adjacent Syllables", in the Proceedings of Speech Prosody 2, Nara, Japan, 2003.
- Veilleux, N., (2003) "Bridges: Regions between Discourse Segments", presented at the International Conference on Spoken Language Processing, Colorado, 2002.
- Veilleux, N., (2000) "Application of the Centering Framework in Spontaneous Dialogues", Proceedings of the International Conference on Spoken Language Processing, Beijing, P.R. China, 2000.
- Shattuck-Hufnagel, S., Veilleux, N. (2000) "The Special Phonological Characteristics of Monosyllabic Function Words in American English", in the Proceedings of the International Conference on Spoken Language Processing, Beijing, P.R. China, 2000.
- Veilleux, N. (1999) "Assessment Tools based on Bloom's Taxonomy of Educational Objectives", Proceedings of the American Association of Engineering Education, Charlotte, NC, June 1999.
- Veilleux, N., Shattuck-Hufnagel, S. "Phonetic Modification of the function word /tu/", International Conference on Spoken Language Processing, Sydney, Australia, December 1998.

- Veilleux, N., "Probabilistic Model of Acoustic/ Prosody/ Concept Relationships for Speech Synthesis" Workshop on Concept-to-Speech Generation in conjunction with the 35th Meeting of the Association for Computational Linguistics, July 11 1997, Madrid, Spain.
- Veilleux, N. and M. Ostendorf, "Probabilistic Parse Scoring with Application to ATIS," Proceedings of the ARPA Workshop on Human Language Technology, March, 1993.
- Veilleux, N. and M. Ostendorf, "Probabilistic Parse Scoring With Prosodic Information," Proceedings of the International Conference on Acoustics, Speech and Signal Processing, April, 1993.

Online Resources authored

- Ahn, B., Shattuck-Hufnagel, S. and Veilleux, N. (2019) PoLaR Annotation Conventions: A Tool for Annotating Prosodic Variation. V.09
- Veilleux, N., Shattuck-Hufnagel, S., Brugos, A., ToBI for Prosodic Transcription of American English, MIT OpenCourseware 6.911, 2006. (Approximately 1000 hits/year), currently under revision.

Selected Presentations without Proceedings, peer reviewed

- Barnes, J., Veilleux, N., Brugos, A. and Shattuck-Hufnagel, S.. "The interaction of timing and scaling in the Shilluk lexical tone system." Paper presented at ETAP4, Amherst, MA, USA, October 11-13, 2018.
- Barnes, J., Veilleux, N., Brugos, A. and Shattuck-Hufnagel, S (2015) "Modelling the perception of English F0 scaling in a segmental context", presented at the workshop on Experimental and Theoretical Applications of Prosody, Champaign Illinois, May 2015.
- Veilleux, N., Lerner, B., Herbst, J., Andrews, C. (2015) "Panel: Lessons from Women's College: What works, what doesn't and what will work elsewhere.", Consortium for Computing Sciences in Colleges, Northeastern Region, April 2015, Worcester, MA.
- Veilleux, N., Barnes, J., Brugos, A. and Shattuck-Hufnagel, S. (2014) "Individual differences in the perception of fundamental frequency scaling in American English speech." Poster presented at the 167th Meeting of the Acoustical Society of America, Providence, May, 2014
- Barnes, J., Brugos, A., Rosenstein, E., Shattuck-Hufnagel, S. and Veilleux, N. (2013) "Segmental sources of variation in the timing of American English pitch accents." Paper presented at LSA, 2013.
- Barnes, J., Veilleux, N., Brugos, A. and Shattuck-Hufnagel, S (2011), "Modelling the perception of English F0 scaling in a segmental context" presented at the workshop on Experimental and Theoretical Applications of Prosody, Montreal, September 23-25, 2011.
- Barnes, J., Veilleux, N., Brugos, A. and Shattuck-Hufnagel, S. (2008) "Turning Points, Tonal Targets, and the English L-Phrase Accent" presented at the workshop on Experimental and Theoretical Applications of Prosody, Cornell University, Ithaca, New York. April 15-18, 2008.
- Barnes, J., Veilleux, N., Brugos, A. and Shattuck-Hufnagel, S. (2008), "(At Least) Two Members of the Rise-Fall-Rise Family", presented at the workshop on Experimental and Theoretical Applications of Prosody, Cornell University, Ithaca, New York. April 15-18, 2008.
- Veilleux, N., Bates, R., Allendoerfer, C., Jones, D., Joy Crawford, Wilson, D., Plett, M., Peter, D., Floyd-Smith, T., "The Role of Belonging in Engagement, Retention and Persistence in Computer Science", presented at the meeting of the Special Interest Group on Computers Science Education 2012, Raleigh, NC.
- Bates, R., Goldsmith, J., Summet, V., Veilleux, N. (2012) "Panel: Using Science Fiction in CS Courses", panel at SIGCSE 2012, Atlanta, GA.

- Society for Language, Science and Art Annual Conference, Portland Me., November 2007. Presented "Prosody: Codebook Not Included".
- Barnes, J., Brugos, A., Veilleux, N. and Shattuck-Hufnagel, S. 2011. Modelling the perception of English F0 scaling in a segmental context. Experimental and Theoretical Advances in Prosody 2, Montreal, Canada.
- Veilleux, N., Bates, R., Allendoerfer, C., Jones, D., Crawford, J., Wilson, D., Plett, M., Peters, D. and Floyd-Smith, T., "The Role of Belonging in Engagement, Retention and Persistence in Computer Science", SIGCSE (Computer Science Education) Conference: Raleigh, NC, March 2012
- Yasuhara, K., Wilson, D., Bates, R., Floyd-Smith, T., Veilleux, N., Plett, M. and Ryan Campbell, "Student Connections to Community in Computer Science and Engineering Education," SIGCSE (Computer Science Education) Conference: Milwaukee, Wisconsin, March 2010.
- Shattuck-Hufnagel, S., Patel, R. & Veilleux, N., "Prosodic labelling of adult dysarthric speech", presented at the conference on Speech Prosody in Atypical Populations, University of Reading, England, April 2, 2007.
- Shattuck-Hufnagel, S., Yasinnik, Y., Veilleux, N. and Renwick, P, "Time Alignment of Gestures and Prosody in American English: 'Hits' and Pitch Accents in Academic-Lecture-Style Speech",. Presented at the NATO Summer School on the Fundamentals of Verbal and Non-verbal Communication and the Biometrical Issue, at the International Institute for Advanced Scientific Studies, Vietri sul Mare, Italy, Sept 2006
- Shattuck-Hufnagel, S., Veilleux, N. and Brugos, A., (2006) "Transcription of Prosody: The ToBI Framework", presented at the Transcription Issues in Current Linguistic Research workshop at the meeting of the Linguistics Society of America, January 7, 2006, Albuquerque, New Mexico.
- Shattuck-Hufnagel, S., Veilleux, N. (2006) "Factors affecting phonetic variation of American English /k/", presented at the 151st meeting of the Acoustical Society of America, Providence, RI, June 2006.
- Brugos, A., Barnes, J., Veilleux, N. and Shattuck-Hufnagel, S. (2006) "A range of intonation patterns produced in an elicitation task", presented at the 151st meeting of the Acoustical Society of America, Providence, RI, June 2006.
- Veilleux, N., Grabiner, E. (2005) "Using Learning Communities to Create Multidisciplinary Learning Experiences", Proceedings of the Global Congress on Engineering and Technology Education, Santos, Brazil, March 2005.
- Veilleux, N., Shattuck-Hufnagel, S., Coen, R. (2002)" Synergy: Interdisciplinary research in small college, large university collaborations", poster presentation at the Conference on Undergraduate Research, New London, Conn., 2002.
- Veilleux, N., (1996) "Stochastic Models of Prosody for Automatic Spoken Language Systems" presented at the Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan, December, 1996, Honolulu, Hawaii.
- Veilleux, N., A. Schlosser and M. Ostendorf,(1993) "Acoustic and Syntactic Correlates of Hesitations in Spontaneous Speech", presented at the October 1993 Acoustical Society of America Conference, Denver, Colorado.

Workshops/ Meetings or Symposia Presentations (without proceedings or peer review):

- Grace Hopper Conference, Panelist on "Using Open Source in Your Classroom", 2016.
- Panel member, Gordon College, November 29, 2006, "Women in Computer Science". Discussed the lack of representation of women in CS programs at all levels and in the profession.
- ToBI for Spontaneous Speech, Simmons College, August 13-15, 2004. Principle Investigator and Organizer for funded workshop with nationwide and international participation. The difficulties

in applying the ToBI system to spontaneous speech. were extensively discussed and an implementation plan was formulated.

- Invited Speaker, Computational Linguistics at Boston University (CLABU), March 1, 2003. Presented an overview on automatic speech recognition.
- Boston University Linguistics Colloquium, featured speaker, "Discourse Analysis using the Centering Framework", March 31, 2001

Workshops/ Meetings or Symposia Attended:

- Professor's Open Source Software Experience (POSSE), Humanitarian Free and Open Source Software (HFOSS), November 2015 and 2016, Red Hat, Rayleigh, NC
- Elon Seminar on "Teaching Democracy", weeklong seminars in July 2009, 2010, 2011, Elon University, Elon, NC. Member of a Simmons team to explore fostering democratic and civil engagement in the Simmons community.
- HarambeeNet workshop, NSF funded, July 8-9, 2010 at Duke University, North Carolina.
- MLeXAI Workshop, (teaching Artificial Intelligence, Machine Learning and Data Mining), sponsored by NSF, May 18, 2009, Sanibel Island, Florida
- Teach Scheme/ Reach Java, Northeastern University, Boston, MA, from July 7-11, 2008. Week long NSF funded teaching seminar on the use of Scheme as a teaching language in college Computer Science.
- CRA-W 2006 Cohort for Associate Professors Project, October 20-22, 2006, Fort Meyers Florida.
- NSF Faculty Development Workshop: Thinking Outside the (Desktop) Box: Lego Mindstorms in CC2001, Nov 18-21, 2004.
- Atlantic Retreat on Learning Communities, Holyoke, MA October 2004.
- NSF Faculty Development Workshop: Development of Java Curriculum Materials For Freshman Computer Science - Using the Java Power Tools, July 16-18, 2001, Northeastern University, Boston MA.
- Prosody in Speech Recognition, sponsored by ISCA, Redbank, New Jersey, October 21-24, 2001.
- NSF Faculty Development Workshop: Teaching and Research, July 1994, Georgia Institute of Technology, Atlanta, GA.