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### Selected Papers and Presentations

- Crane, N.L., Nelson, P., Paddack, M.J., Bernardi, G., Abelson, A., Precoda, K., Cannon, S. "Ecological and Sociological Impacts of Establishing Locally Managed Marine Areas with Outer Island Communities of Ulithi Atoll, FSM", presented at the Western Society of Naturalists, Oxnard, CA, November 2013.
- Paddack, M.J., Crane, N.L., Bernardi, G., Abelson, A., Nelson, P., Precoda, K. "Echoes of Present and Past Human Presence on Coral Reef Communities of Ulithi Atoll, Federated States of Micronesia", presented at the Western Society of Naturalists, Oxnard, CA, November 2013.
- Raymond, G., Jones, N., Precoda, K. "Analyzing Police Encounters with the Public: Some Methods for Reducing the Use of Force", invited talk at the UC Berkeley Human Rights Center, Berkeley, CA, November 2013.
- Crane, N.L., Paddack, M.J., Nelson, P., Bernardi, G., Abelson, A., Precoda, K., Rulmal, Jr., J., Cannon, S. "Sustainable Fisheries and Coral Reef Management on the Outer Islands: Ulithi Atoll, Federated States of Micronesia", presented at the 2013 Coral Reef Symposium, 27<sup>th</sup> Pacific Islands Environment Conference, Guam, June 2013.
- Raymond, G., Jones, N., Precoda, K. "Asymmetries in Action: Knowledge, Action, and Identities in Police Encounters with the Public", presented at *Interactions en milieu institutionnel: émergence des savoir-faire et négociation des expertises/Social interactions in institutional settings: the emergence of practical knowledge and the negotiation of expertise, Programme Doctoral en Sciences du Langage, Conférence Universitaire de Suisse Occidentale, Neuchâtel, Switzerland, May 2013.*
- Crane, N.L., Nelson, P., Paddack, M.J., Bernardi, G., Abelson, A., Crosman, K., Precoda, K., Cannon, S. "Community-based Marine Conservation and Sustainable Fisheries on Ulithi Atoll, Federated States of Micronesia", presented at the Western Society of Naturalists, Seaside, CA, Nov. 2012.
- Paddack, M.J., Crane, N.L., Bernardi, G., Abelson, A., Crosman, K., Nelson, P., Precoda, K. "Initial Ecological Assessment of Shallow Reefs of Ulithi Atoll, Federated States of Micronesia", presented at the Western Society of Naturalists, Seaside, CA, Nov. 2012.
- Lawson, A., Precoda, K. "Speech and Speech-like Measures", invited talk at the Gates Foundation Meeting on Engagement and Academic Tenacity: Making the Invisible Salient and Actionable, Cambridge, MA, October 2012.
- Wang, W., Hadsell, R., Kira, Z., Appelt, D., Precoda, K. "Semi-supervised Learning for Statistical Modeling of Spoken Interactions", presented at NAACL HLT 2012, Montréal, Québec, Canada, June 2012.
- Wang, W., Precoda, K., Hadsell, R., Kira, Z., Richey, C., Jiva, G. "Detecting Leadership and Cohesion in Spoken Interactions", presented at the International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Kyoto, Japan, March 2012.
- Hadsell, R., Kira, Z., Wang, W., Precoda, K. "Unsupervised Topic Modeling for Leader Detection in Spoken Discourse", presented at the International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Kyoto, Japan, March 2012.

- Wang, W., Precoda, K., Richey, C., Raymond, G. "Identifying Agreement/Disagreement in Conversational Speech: A Cross-lingual Study", *Proceedings of Interspeech 2011*, Florence, Italy, August 2011.
- Wang, W., Yaman, S., Precoda, K., Richey, C., Raymond, G. "Detection of Agreement and Disagreement in Broadcast Conversations", *Proceedings of ACL/HLT 2011*, Portland, Oregon, June 2011, pp. 374-378.
- Wang, W., Yaman, S., Precoda, K., Richey, C. "Automatic Identification of Speaker Role and Agreement/Disagreement in Broadcast Conversation", *Proceedings of ICASSP 2011*, Prague, Czech Republic, May 2011, pp. 5556-5559.
- Zheng, J., Mandal, A., Lei, X., Frandsen, M., Ayan, N.F., Vergyri, D., Wang, W., Akbacak, M., Precoda, K. "Implementing SRI's Pashto Speech-to-Speech Translation System on a Smart Phone", presented at the IEEE Workshop on Spoken Language Technology (SLT 2010), Berkeley, CA, December 2010.
- Franco, H., Bratt, H., Rossier, R., Gadde, V.R., Shriberg, E., Abrash, V., Precoda, K. "EduSpeak: A speech recognition and pronunciation scoring toolkit for computer-aided language learning applications", *Language Testing* 27(3): 401-418, July 2010.
- Frandsen, M., Riehemann, S., Precoda, K. "IraqComm and FlexTrans: A Speech Translation System and Flexible Framework," *Innovations and Advances in Computer Sciences and Engineering*, Dordrecht, Netherlands, March 2010.
- Akbacak, M., Franco, H., Frandsen, M., Hasan, S., Jameel, H., Kathol, A., Khadivi, S., Lei, X., Mandal, A., Mansour, S., Precoda, K., Richey, C., Vergyri, D., Wang, W., Yang, M., Zheng, J. "Recent Advances in SRI's IraqComm™ Iraqi Arabic-English Speech-to-Speech Translation System", presented at the International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Taipei, Taiwan, April 2009.
- Frandsen, M.W., Riehemann, S.Z., Precoda, K. "IraqComm and FlexTrans: A Speech Translation System and Flexible Framework", presented at International Joint Conferences on Computer, Information and Systems Sciences and Engineering (CISSE 2008), Bridgeport, CT, Dec. 2008.
- Precoda, K., Bratt, H. "Perceptual Underpinnings of Automatic Pronunciation Assessment", in *The Path of Speech Technologies in Computer Assisted Language Learning: From Research toward Practice*, V.M. Holland and F.M. Fisher, eds. Routledge: New York, NY, 2008, pp. 71-84.
- Precoda, K., Zheng, J., Vergyri, D., Franco, H., Richey, C., Kathol, A., Kajarekar, S. "IraqComm: A Next Generation Translation System", presented at Interspeech 2007, Antwerp, Belgium, August 2007.
- Precoda, K. "An Example of Technology from Mission-Oriented Research: Speech Translation", invited talk at a workshop on the National Science and Technology Plan for Information Technology in Saudi Arabia, sponsored by the King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia, June 2007.
- Precoda, K., Black, A. "Two-Way Spoken Language Translation Technology", invited talk at a workshop on Overcoming Language Barriers in the Criminal Justice System at the Vera Institute, New York City, March 2007.
- Huron, D., Kinney, D., Precoda, K. "Influence of Pitch Height on the Perception of Submissiveness and Threat in Musical Passages", *Empirical Musicology Review*, 2006, vol. 1(3), pp. 170-177.

- Narayanan, S., Georgiou, P.G., Sethy, A., Wang, D., Bulut, M., Sundaram, S., Ettalaie, E., Ananthkrishnan, S., Franco, H., Precoda, K., Vergyri, D., Zheng, J., Wang, W., Gadde, R.R., Graciarena, M., Abrash, V., Frandsen, M., Richey, C. "Speech Recognition Engineering Issues in Speech to Speech Translation System Design for Low Resource Languages and Domains", presented at the International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Toulouse, France, May 2006.
- Kathol, A., Precoda, K., Vergyri, D., Wang, W., Riehemann, S. "Speech Translation for Low-Resource Languages: The Case of Pashto", presented at Interspeech 2005, Lisbon, Portugal.
- Belvin, R.S., Riehemann, S., Precoda, K. "A Fine-Grained Evaluation Method for Speech-to-Speech Machine Translation Using Concept Annotations", presented at LREC 2004.
- Precoda, K., Franco, H., Dost, A., Frandsen, M., Fry, J., Kathol, A., Richey, C., Riehemann, S., Vergyri, D., Zheng, J., Culy, C. "Limited-Domain Speech-to-Speech Translation between English and Pashto", *HLT/NAACL 2004 Demonstrations*, Boston, MA, May 2004, pp. 9-12.
- Precoda, K. "Non-mainstream Languages and Speech Recognition: Some Challenges", *CALICO Journal*, 2004, vol. 21(2): 229-243.
- Precoda, K., Podesva, R.J. "What Will People Say? Speech System Design and Language/Cultural Differences", *Proceedings of 2003 IEEE Workshop on Automatic Speech Recognition and Understanding*, St. Thomas, USVI, Dec. 2003, pp. 624-9.
- Franco, H., Zheng, J., Precoda, K., Cesari, F., Abrash, A., Vergyri, D., Venkataraman, A., Bratt, H., Richey, C., Sarich, A. "Development of Phrase Translation Systems for Handheld Computers: From Concept to Field", *Proceedings of EuroSpeech '03*, Geneva, Switzerland, Sept. 2003, pp. 373-6.
- Hodjat, B., Franco, H., Bratt, H., Stolcke, A., Venkataraman, A., Precoda, K., Vergyri, D., Zheng, J. "Iterative Statistical Language Model Generation for Use with an Agent-Oriented Natural Language Interface", presented at HCI (Human-Computer Interaction) International 2003, Crete, Greece, June 2003.
- Precoda, K. "Non-mainstream Languages and Speech Recognition: Some Challenges", presented at InSTIL 2002 (Integrating Speech Technology in (Language) Learning), Davis, CA, March 2002.
- Precoda, K. "Automatic Speech Recognition: A Different Way of Hearing, or, Why Did It Do That?", invited presentation at InSTIL 2002 (Integrating Speech Technology in (Language) Learning), Davis, CA, March 2002.
- Teixeira, C., Franco, H., Shriberg, E., Precoda, K., Sönmez, K. "Evaluation of Speaker's Degree of Nateness Using Text-Independent Prosodic Features", *Proceedings of the Workshop on Multilingual Speech and Language Processing*, Aalborg, Denmark, Sept. 2001.
- Culy, C., Leben, W., Precoda, K. "Synthesizing Bambara for Internet Access", presented at the 32<sup>nd</sup> Annual Conference on African Linguistics, Berkeley, CA, Mar. 2001.
- Precoda, K. "Variability in Human Judgements of Foreign Accent Strength", presented at the Joint 140<sup>th</sup> Meeting of the Acoustical Society of America/NOISE-CON 2000, Newport Beach, CA, Dec. 2000.
- Teixeira, C., Franco, H., Shriberg, E., Precoda, K., Sönmez, K. "Prosodic Features for Automatic Text-Independent Evaluation of Degree of Nonnativeness for Language Learners", presented at the International Conference on Spoken Language Processing, Beijing, China, Oct. 2000.

- Precoda, K., Halverson, C., Franco, H. "Effect of Speech Recognition-Based Pronunciation Feedback on Second-Language Pronunciation Ability", *Proceedings of InSTIL 2000 (Integrating Speech Technology in (Language) Learning)*, Dundee, Scotland, Aug. 2000.
- Franco, H., Abrash, V., Precoda, K., Bratt, H., Rao, R., Butzberger, J. "The SRI EduSpeak™ System: Recognition and Pronunciation Scoring for Language Learning", *Proceedings of InSTIL 2000 (Integrating Speech Technology in (Language) Learning)*, Dundee, Scotland, Aug. 2000.
- Precoda, K., Meng, T.H. "Long-term Stability of Listening Strategies Determined by MDS", *Proceedings of the International Symposium on Musical Acoustics 1998*, Leavenworth, WA, June 1998, 337-341.
- Precoda, K., Meng, T.H. "Subjective Audio Testing Methodology and Human Performance Factors", presented at the 103rd Convention of the Audio Engineering Society, New York, Sept. 1997. Preprint 4585.
- Precoda, K., Meng, T.H. "Listener Differences in Audio Compression Evaluations", *Journal of the Audio Engineering Society*, Sept. 1997, 45(9): 708-715.
- Precoda, K., Meng, T.H., Kreiman, J. "Reliability of Listeners Judging Compressed Audio", presented at the 3rd joint meeting of the Acoustical Societies of America and Japan, Honolulu, Dec. 1996.
- Kreiman, J., Gerratt, B.R., Precoda, K., Berke, G.S. "Perception of Supraperiodic Voices", presented at the 125th meeting of the Acoustical Society of America, Ottawa, May 1993.
- Lennig, M., Sharp, D., Kenny, P., Gupta, V., Precoda, K. "Flexible Vocabulary Recognition of Speech", *Proceedings of the International Conference on Spoken Language Processing*, Banff, Oct. 1992, 93-96.
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- Gerratt, B.R., Hanson, D.G., Berke, G.S., Precoda, K. "Photoglottography: A Clinical Synopsis", *Journal of Voice*, 1991, 5/2:98-105.
- Maddieson, I., Precoda, K. "Syllable Structure and Phonetic Models", *UCLA Working Papers in Phonetics*, Feb. 1991, 78:38-49.
- Gerratt, B.R., Precoda, K., Berke, G.S. "Supraperiodic Characteristics of the Dysphonia in Unilateral Recurrent Laryngeal Nerve Paralysis and Parkinson's Disease", presented at the conference on Neurological Disorders of Laryngeal Function, Los Angeles, Jan. 1990.
- Kreiman, J., Gerratt, B.R., Precoda, K. "Listener Experience and Perception of Voice Quality", *Journal of Speech and Hearing Research*, March 1990, 33/1:103-115.
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- Maddieson, I., Precoda, K. "Updating UPSID", *UCLA Working Papers in Phonetics*, Feb. 1990, 74:104-111.
- Gerratt, B.R., Precoda, K. "What is Fundamental Frequency?", presented at the West Coast Phonetics Forum, Los Angeles, March 1989.
- Kreiman, J., Gerratt, B.R., Precoda, K. "Individual Differences in the Perception of Voice Quality", presented at the 118th meeting of the Acoustical Society of America, St. Louis, Nov. 1989.

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Gerratt, B.R., Precoda, K., Hanson, D.G., Berke, G.S. "Source Characteristics of Diplophonia", presented at the 115th meeting of the Acoustical Society of America, Seattle, May 1988.

Gerratt, B.R., Precoda, K., Hanson, D.G., Brayton-Gerratt, S. "Vocal Supraperiodicity", presented at the annual meeting of the American Speech and Hearing Association, Boston, Nov. 1988.

Kreiman, J., Gerratt, B.R., Precoda, K. "Listener Experience and the Perception of Voice Quality", presented at the 116th meeting of the Acoustical Society of America, Honolulu, Nov. 1988.

Gerratt, B.R., Precoda, K., Hanson, D.G. "Diplophonia: Features in the Time Domain", presented at the annual meeting of the American Speech and Hearing Association, New Orleans, Nov. 1987.