

Seyed Hamidreza (Hamid) Mohammadi

Center for Spoken Language Understanding
Oregon Health and Science University
3181 S. W. Sam Jackson Park Road
Portland, Oregon 97239-3098
E-mail: mohammah@ohsu.edu
Cell: +1 503 453-2097
Website: <http://cslu.ohsu.edu/~mohammah/>

RESEARCH INTERESTS	Speech Signal Processing, Text-to-Speech Synthesis, Voice Conversion, Speech Recognition, Machine Learning, Data Mining	
EDUCATION	<p>Ph.D., Computer Science and Engineering Oregon Health and Science University, Portland, OR, expected June 2016</p> <p>M.Sc., Computer Engineering, Artificial Intelligence Sharif University of Technology, Tehran, IRAN, September 2011</p> <p>B.Sc., Computer Engineering, Software Engineering Isfahan University of Technology, Isfahan, IRAN, September 2009</p>	
POSITIONS	<p>CSLU, OHSU, Portland, OR Research Assistant</p> <ul style="list-style-type: none">• Speaker adaptation for text-to-speech synthesis systems <p>Biospeech, Inc., Portland, OR Researcher and Developer</p> <ul style="list-style-type: none">• Improving the naturalness of a Unit-Selection Speech Synthesizer system by improving the interpolation techniques• Reduce concatenation mismatches for a Unit-Selection Speech Synthesizer system by equalizing utterance energies <p>Speech Processing Lab. and ASR Co., Tehran, IRAN Researcher and Developer</p> <ul style="list-style-type: none">• Improving speaker diarization system by improving speaker segmentation• Participated in developing a speaker diarization System over Telephone <p>Artificial Intelligence Lab., IUT, Isafahan, IRAN Undergrad Research Assistant</p> <ul style="list-style-type: none">• Persian Isolated Word Recognition using hybrid ANN/HMM approach <p>Nikan Data Mining Co., Isfahan, IRAN Co-Founder and Manager</p> <ul style="list-style-type: none">• Designer and Developer of Admiral Hospital Information System <p>Dadekav (DataMiner) Co., Isfahan, IRAN Summer Intern</p> <ul style="list-style-type: none">• Developing various Data Mining methods	<p>Fall 2011 - Present</p> <p>Summer 2013</p> <p>Fall 2009 - Fall 2011</p> <p>Summer 2008</p> <p>Summer 2008</p> <p>Summer 2007</p>
COMPUTER SKILLS	<p><i>Languages:</i> C, C++, Python, Perl, C#.NET, Java, MATLAB, R</p> <p><i>Toolkits:</i> Theano, HTS, Festival, Kaldi, HTK, CSLU</p>	

PUBLICATIONS **S.H. Mohammadi**, A. Kain, Voice Conversion Using Deep Neural Networks With Speaker-Independent Pre-Training, *SLT* 2014.

S.H. Mohammadi, A. Kain, Transmutative Voice Conversion, *ICASSP* 2013.

S.H. Mohammadi, A. Kain, J. van Santen, Making Conversational Vowels More Clear, *Interspeech* 2012.

S.H. Mohammadi, H. Sameti, M.S. Elyasi Langarani, A. Tavanaei, KNNDIST: A Nonparametric distance measure for speaker segmentation, *Interspeech* 2012.

E. Morley, E. Klabbers, J. van Santen, A. Kain, **S.H. Mohammadi**, Synthetic F0 Can Effectively Convey Speaker ID in Delexicalized Speech, *Interspeech* 2012.

S. Bahaadini, H. Sameti, F. Jabbari, **S.H. Mohammadi**, Glottal Pulse Shape Optimization using Simulated Annealing, *AISP* 2012.

S.H. Mohammadi, H. Sameti, A. Tavanaei, A. Soltani-Farani, Filter-bank Design Based on Dependencies Between Frequency Components and Phoneme Characteristics, *EUSIPCO* 2011.

A. Tavanaei, H. Sameti, **S.H. Mohammadi**, False alarm reduction by improved filler model and post-processing in speech keyword spotting, *MLSP* 2011.

S. Bahaadini, H. Sameti, **S.H. Mohammadi**, Comparative study of different excitation signals on Mel-generalized cepstral synthesis filters, *AISP* 2011.

S.H. Mohammadi, S. Darabi, M. Mahdavi, Moving from C to C++ (translation from English to Persian), *IUT Press*, Summer 2006.

RELEVANT COURSEWORK Mining Massive Datasets: December 2014, Coursera
 Introduction to Data Science: October 2014, Coursera
 Machine Learning: December 2014, Coursera
 Analyzing Sequences: Fall 2014
 Speech Signal Processing: Fall 2013
 Speech Recognition with Deep Nets: Spring 2013, Audit
 Machine Learning: Spring 2013, Audit
 Probabilistic Graphical Models: Spring 2012
 Advanced Topics in Information Retrieval: Fall 2012
 Text Normalization: Fall 2011
 Computational Linguistics: Spring 2011
 Advanced Digital Signal Processing: Winter 2010
 Neural Networks: Spring 2010
 Machine Learning: Winter 2010
 Speech Recognition: Fall 2010
 Digital Signal Processing: Fall 2010
 Speech Processing: Fall 2009
 Statistical Pattern Recognition: Winter 2008
 Data Mining: Fall 2008
 Artificial Intelligence: Fall 2008

LANGUAGES Persian (Farsi): Native
 English: Professional
 Arabic: Elementary

REFERENCES **Jan van Santen**, Professor, Center for Spoken Language Understanding, Oregon Health and Science University, vansantj@ohsu.edu .
Alexander Kain, Associate Professor, Center for Spoken Language Understanding, Oregon Health and Science University, kaina@ohsu.edu .