Nikolaos (Nikos) Flemotomos

Ming Hsieh Department of Electrical Engineering
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RESEARCH INTERESTS	Speech Recognition, Speaker Diarization and Role Recognition, Machine Learning

EDUCATION	**Ph.D., Electrical Engineering**	started Aug 2016
	University of Southern California, Los Angeles, CA, U.S.A.	
	• Advisor: Prof. Shrikanth Narayanan	
	• Current GPA: 3.95/4.00	
	M.Sc., Electrical Engineering	expected Dec 2018
	University of Southern California, Los Angeles, CA, U.S.A.	
	• Current GPA: 4.00/4.00	
	Diploma (5-years degree)**, Electrical and Computer Engineering**	Apr 2016
	National Technical University of Athens, Athens, Greece	
	• Thesis: *Robust Acoustic Features for Distant Speech Recognition* Advisor: Prof. Petros Maragos	
	• GPA: 9.34/10.00	

WORKING EXPERIENCE	**University of Southern California**, Los Angeles, CA, U.S.A	
	Ming Hsieh Department of Electrival Engineering,	
	Signal Processing and Interpretation Laboratory (SAIL)	
	Graduate Research Assistant	May 2017 to present
	• Supervisor: Prof. Shrikanth Narayanan	
	National Technical University of Athens, Athens, Greece	
	School of Electrical and Computer Engineering,	
	Computer Vision, Speech Communication and Signal Processing Group (CVSP)	
	Undergraduate Research Assistant	Feb 2015 to Mar 2016
	• Supervisor: Prof. Petros Maragos	
	Czech Technical University in Prague, Prague, Czech Republic	
	Faculty of Electrical Engineering, Department of Cybernetics,	
	Biomedical Data and Signal Processing Group (BioDat)	
	Research Intern	Mar 2016 to Jun 2016
	• Project: *Automatic Sleep Staging Using HMMs*	
	• Supervisor: Assoc. Prof. Lenka Lhotska	

TEACHING EXPERIENCE	**Society of Astronomy and Space**, Volos, Greece	
	Teaching Assistant	Summer 2011 & 2012
	Preparation for the International Olympiad on Astronomy and Astrophysics	

AWARDS AND DISTINCTIONS	**Annenberg Ph.D Fellowship**	Aug 2016 to present
	University of Southern California, Ming Hsieh Department of Electrical Engineering	
	Travel Grant	Sep 2018
	International Speech Communication Association (ISCA)	

3rd Award of Success   Oct 2010
15th Pan-Hellenic Student Competition on Astronomy and Space Engineering

Honorable Mention   Sep 2010
4th International Olympiad on Astronomy and Astrophysics, Beijing, China

CONFERENCE
PUBLICATIONS

1. **N. Flemotomos**, Z. Chen, D.C. Atkins, and S. Narayanan, "Role Annotated Speech Recognition for Conversational Interactions.", *IEEE Workshop on Spoken Language Technology (SLT)*, Athens, Greece, 2018. (accepted)

2. **N. Flemotomos**, P. Papadopoulos, J. Gibson, and S. Narayanan, "Combined Speaker Clustering and Role Recognition in Conversational Speech.", *Annual Conference of the International Speech Communication Association (Interspeech)*, Hyderabad, India, 2018.

3. **N. Flemotomos**, V.R. Martinez, J. Gibson, D.C. Atkins, T.A. Creed, and S. Narayanan, "Language Features for Automated Evaluation of Cognitive Behavior Psychotherapy Sessions.", *Annual Conference of the International Speech Communication Association (Interspeech)*, Hyderabad, India, 2018.

4. K. Singla, Z. Chen, **N. Flemotomos**, J. Gibson, D. Can, D.C. Atkins, and S. Narayanan, "Using Prosodic and Lexical Information for Learning Utterance-level Behaviors in Psychotherapy.", *Annual Conference of the International Speech Communication Association (Interspeech)*, Hyderabad, India, 2018.

SOFTWARE
SKILLS

Programming Languages:
Python, UNIX shell scripting, MATLAB, C   *extensive experience*
C++, Java, ML, R, Prolog, SQL   *familiarity*

Tools:
Kaldi Speech Recognition Toolkit, OpenFST library, Tensorflow, Keras Deep Learning library, LaTeX

SELECTED
COURSEWORK

National Technical University of Athens
Neural Networks and Intelligent Systems, Pattern Recognition with Emphasis on Speech Recognition, Optimization Techniques, Graph Theory, Knowledge Systems and Technologies, Artificial Intelligence, Algorithms and Complexity, Programming Languages

University of Southern California
Probability, Statistics, Mathematical Pattern Recognition, Deep Learning, Machine Learning from Signals, Machine Learning Theory, Mathematics of High-Dimensional Data

SERVICE AND
VOLUNTARY
WORK

Hellenic Student Association of USC
Treasurer   Jan 2018 to present

IEEE Engineering in Medicine & Biology Society NTUA Student Chapter
President   Sep 2014 to Jun 2015
Student volunteer   Sep 2013 to Jun 2014

7th International Olympiad on Astronomy and Astrophysics
Student volunteer   Aug 2014

AEGEE-Athina
Volunteer (organisation aiming at a democratic, diverse Europe) Sep 2012 to Sep 2013

LANGUAGES	**Greek**, Native Speaker
	English, Proficient Level *Certificate of Proficiency in English, University of Michigan*
	French, Proficient Level *Diplôme Approfondi de Langue Française (DALF C1-C2)*
	Japanese, Basic Level *Level N5 of the Japanese-Language Proficiency Test*