

Maria C. Koutsogiannaki

CONTACT INFORMATION	Department of Computer Science University of Crete 304 H Wing 70013 Boutes Heraklion, Crete, Greece	<i>Mobile:</i> +30-697-4065563 <i>Office:</i> +30-2810-39-3508 <i>E-mail:</i> mkoutsog@csd.uoc.gr www.csd.uoc.gr/~mkoutsog
CITIZENSHIP	Greek	
DATE OF BIRTH	19 th February 1983	
CITY OF BIRTH	Heraklion, Crete, Greece.	
GENDER	Female	
RESEARCH INTERESTS	Speech and Audio Processing, Image Processing, Statistical Signal Processing.	
EDUCATION	University of Crete , Heraklion, Crete, Greece Ph.D., Computer Science Department, September 2011 - December 2014 (expected) <ul style="list-style-type: none">• Thesis Topic: <i>Intelligibility enhancement of casual speech in non-noisy environments</i>• Primary Advisor: Professor Yannis Stylianou• Area of Study: Computer Science• Advisors: Athanasios Mouchtaris, Valerie Hazan M.Sc., Computer Science Department, February 2008 - October 2010 <ul style="list-style-type: none">• Thesis Topic: <i>Voice tremor detection using Adaptive Quasi-Harmonic Model</i>• Advisor: Professor Yannis Stylianou• Area of Study: Signal Processing• Major: Telecommunications and Networks• Minor: Multimedia Informatics National Technical University of Athens , Athens, Greece B.Sc., School of Electrical and Computing Engineering, September 2001 - May 2007 <ul style="list-style-type: none">• GPA: 7.28/10.0• Thesis Topic: <i>Enhanced End-to-End TDMA for wireless ad-hoc networks</i>• Advisor: Professor Vasilios Loumos• Area of Study: Telecommunications and Networks	

ACADEMIC APPOINTMENT	Ph.D. Researcher September 2011 to present Computer Science Department, University of Crete Institute of Computer Science F.O.R.T.H
JOURNAL PUBLICATIONS	Elizabeth Godoy, Maria Koutsogiannaki, Yannis Stylianou: Approaching speech intelligibility enhancement with inspiration from Lombard and Clear speaking styles. <i>Computer Speech Language</i> 28(2): 629-647 (2014)
CONFERENCE PUBLICATIONS	Maria Koutsogiannaki, Olympia Simantiraki, Gilles Degottex and Yannis Stylianou: The Importance of Phase on Voice Quality Assessment. Submitted: <i>Interspeech 2014</i> , Singapore, 14-18 September 2014. Maria Koutsogiannaki and Yannis Stylianou: Simple and Artefact-free Spectral Modifications for Enhancing the Intelligibility of Casual Speech. In: <i>ICASSP 2014</i> , Florence, May 2014. Elizabeth Godoy, Maria Koutsogiannaki, Yannis Stylianou: Assessing the intelligibility impact of vowel space expansion via clear speech-inspired frequency warping. In: <i>Interspeech 2013</i> , pp. 1169-1173, Vancouver Canada 2013. Koutsogiannaki, M., Pettinato, M, Mayo, C, Kandia, V. and Stylianou, Y. (2012). Can modified casual speech reach the intelligibility of clear speech?. In: <i>Interspeech 2012</i> , Portland Oregon, USA, 9-13 September 2012, Koutsogiannaki, M., Pantazis, Y., Stylianou, Y., and Dejonckere, Ph. (2011). Tremor in speakers with spasmodic dysphonia. 7 th International Workshop on Models and Analysis of Vocal Emissions for Biomedical Applications, MAVEBA-2011. Aug., Florence Italy Dimitrios J. Vergados, Dimitrios D. Vergados, Maria Koutsogiannaki: Capacity Optimization in TDMA Ad-Hoc Networks. <i>Wireless Personal Communications</i> 62(3): 687-713 (2010) Pantazis, Y., Koutsogiannaki, M., and Stylianou, Y. (2009). A novel method for the extraction of vocal tremor. Proceedings of MAVEBA '09. 14-16 December, Florence, Italy Asterios Leonidis, George Baryannis, Xenofon Fafoutis, Maria Korozi, Niki Gazoni, Michail Dimitriou, Maria Koutsogiannaki, Aikaterini Boutsika, Myron Papadakis, Haridimos Papagiannakis, George Tesseris, Emmanouil Voskakis, Antonis Bikakis, Grigoris Antoniou: AlertMe: A Semantics-Based Context-Aware Notification System. <i>COMPSAC (2) 2009</i> : 200-205 Dimitrios J. Vergados, Maria Koutsogiannaki, Dimitrios D. Vergados, Vassilis Loumos, Nikolaos A. Pantazis: Enhanced End-to-End TDMA for wireless ad-hoc networks. <i>ISCC 2007</i>
OTHER PUBLICATIONS	Koutsogiannaki, M., Mayo, C, Kandia, V., Stylianou, Y. (2012). On the detection of the intelligibility advantage of clear speech vs.casual speech. The listening Talker An interdisciplinary workshop on natural and synthetic modification of speech, LISTA Workshop. 2-3 May 2012, Edinburgh. IEEE
WORKSHOPS	The 8th International Summer Workshop on Multimodal Interfaces, <i>eNTERFACE 2012</i> P8 - Active Speech Modifications: http://enterface12.metz.supelec.fr/projects.php

AWARDS	Institute of Computer Science - Foundation of Research and Technology Hellas <ul style="list-style-type: none"> • Graduate Scholarship, 2008-2014
TEACHING EXPERIENCE	University of Crete , Heraklion, Crete, Greece. <p><i>Teaching Assistant</i> February 2008 to present</p> <ul style="list-style-type: none"> • Teaching Assistant for CS 215: Signals and Systems <ul style="list-style-type: none"> • Autumn 2009, Spring 2009, Spring 2010, Spring 2013, Spring 2014 • Responsible for 2 hour assisting lectures and supervision of 2 hour laboratory where junior and senior undergraduate students learn about the basics of signals and systems • Developed an amount of supplementary course material • Teaching Assistant for CS 370: Digital Signal Processing <ul style="list-style-type: none"> • Autumn 2010 • Responsible for 2 hour assisting lectures and supervision of 2 hour laboratory where junior and senior undergraduate students learn about the basics of digital signal processing • Developed an amount of supplementary course material. • Others: Architecture, Discrete Mathematics, Probability theory
TECHNICAL SKILLS	Programming: C, Java <p>Computer Applications: $\text{T}_{\text{E}}\text{X}$ ($\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$, $\text{BIB}\text{T}_{\text{E}}\text{X}$), most common productivity packages (for Windows and Linux platforms), Vim, MATLAB, Mathematica, and a variety of multimedia applications</p> <p>Operating Systems: Microsoft Windows family (from Win 3.1 to Windows 7), Linux, and other UNIX variants</p>
MATHEMATICAL EXPERTISE	Real and Complex Analysis, Fourier Theory, Probabilistic models.
ENGINEERING EXPERTISE	Communications and Signal Processing, Probability, Random Variables, Stochastic Processes, Estimation Theory, Harmonic Analysis.
LANGUAGES	Greek (fluent), English (fluent), Spanish (elementary), German (elementary)
REFERENCES AVAILABLE TO CONTACT	Dr. Yannis Stylianou (e-mail: yannis@csd.uoc.gr) <ul style="list-style-type: none"> • Professor, Computer Science Department, University of Crete • <i>Dr. Stylianou was my graduate advisor and he is currently my PhD supervisor on behalf of the University of Crete.</i> <p>Dr. Athanasios Mouchtaris (e-mail: mouchtar@ics.forth.gr) <ul style="list-style-type: none"> • Assistant Professor, Computer Science Department University of Crete <p>Pr. Valerie Hazan (e-mail: v.hazan@ucl.ac.uk) <ul style="list-style-type: none"> • Professor, Speech Hearing and Phonetic Sciences University of College </p></p>