

# Curriculum Vitae: Yannis Stylianou

## CURRICULUM VITAE

PERSONAL INFORMATION	<b>Ioannis (Yannis) Stylianou, Professor</b>	
	University of Crete Computer Science Dept. Knossos Ave. GR-71409 Heraklion, Crete, Greece	Institute of Computer Science (ICS) Foundation for Research and Technology - Hellas (FORTH) Nikolaou Plastira 100, Vassilika Vouton P.O Box 1385 GR-70013 Heraklion, Crete, Greece
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Email	<a href="mailto:yannis@csd.uoc.gr">yannis@csd.uoc.gr</a>	<a href="mailto:styliano@ics.forth.gr">styliano@ics.forth.gr</a>
Site Web	<a href="http://www.csd.uoc.gr/people-all/Professors/stylianou.html">http://www.csd.uoc.gr/people-all/Professors/stylianou.html</a>	<a href="http://www.ics.forth.gr/netlab/stylianou.html">http://www.ics.forth.gr/netlab/stylianou.html</a>
Nationality	Hellenic	
Date of birth	11.29.1966	

## WORK EXPERIENCE

2011- 2012	Visiting Professor, University of the Basque Country, Bilbao, Spain
2011-	Professor, University of Crete, Computer Science Dept., Greece
2002-2010	Associate Professor, University of Crete, Computer Science Dept., Greece
2003-	Visiting Researcher, Institute of Computer Science, FORTH, Greece
2000- 2002	Technical Staff Member, Bell-Laboratories, Murray Hill, NJ, USA Language Modeling Research Lab
1996-2000	Senior Technical Staff Member, AT&T-Laboratories, Florham Park, NJ, USA Speech Processing Lab.
1995-1996	Assistant Professor, Ecole Superieure des Ingenieurs en Electronique et Electrotechnique – ESIEE Paris, France

## EDUCATION AND TRAINING

1992-1995	PhD, Ecole Nationale Superieure des Telecommunications Departement Signal, ENST-Telecom Paris, France <i>Harmonic plus Noise Models for Speech , Combined with Statistical Methods for Speech and Speaker Modification</i> Scholarship: French Ministry of Education and France Telecom
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## Curriculum Vitae: Yannis Stylianou

- |            |   |
|------------|---|
| 1991-1992  | Master of Science in Signal Processing<br>Departement Signal, ENST-Telecom Paris, France<br>Scholarship: ENST-Telecom Paris |
| 1986- 1991 | Diploma of Electrical Engineering, National Technical University of Athens.<br>Scholarship: Maliotis Foundation             |

### MAIN RESEARCH CONTRIBUTION

- HNM: Harmonic plus Noise Model
- Voice Conversion using GMM.
- The Next-Gen TTS system of AT&T
- aQHM: Adaptive Quasi Harmonic Model

### COMMITTEES

- |           |  |
|-----------|--|
| 2009-2013 | Elected Member of the Board of the International Speech Communication Association - ISCA |
| 2009-     | IEEE Multimedia Communications Technical Committee                                       |
| 2007-2010 | IEEE Speech and Language Technical Committee   |
| 2007-2011 | Vice-Chairman, Management Committee of Action 2103: Advanced Voice Function Assessment   |
| 2005-2006 | Member of the Management Committee of Action 277: Nonlinear Speech Processing            |

### EDITORIAL

- |       |   |
|-------|---|
| 2011- | Associate Editor, Elsevier Journal Digital Signal Processing  |
| 2009  | Lead Guest Editor<br>IEEE Trans. On Speech Audio and Language Processing, Special Issue on Voice Transformation, Submission deadline April 1 <sup>st</sup> , 2009     |
| 2008- | Editorial Board, Journal of Electrical and Computer Engineering<br>Hindawi, <a href="http://www.hindawi.com/journals/jece/">http://www.hindawi.com/journals/jece/</a> |
| 2007- | Co-Editor, Progress in Nonlinear Speech Processing<br>Springer, ISBN 3540715037, May 3 2007   |
| 2005- | Associate Editor, EURASIP Journal on Speech and Audio Processing  |
| 2007- | Associate Editor, EURASIP Research Letters in Signal Processing   |

## Curriculum Vitae: Yannis Stylianou

- 1999-2002 Associate Editor, IEEE Signal Processing Letters
- 1995- Regular reviewer in Journals:
- IEEE Trans. On Speech and Audio Processing
  - IEEE Signal Processing Letters
  - Journal of the Acoustical Society of America, JASA
  - Elsevier, Speech Communication Magazine
- 1995- Regular reviewer for international conferences:
- IEEE ICASSP
  - ISCA Eurospeech/Interspeech
  - Eusipco
  - IEEE Workshop on Applications of Signal Processing to Audio and Acoustics

### PROJECTS

- 2006-2009 France Telecom , R&D Department, Lannion, France  
Basic Research on Speech Analysis  
Contract No: 46135648  
175kE
- 2007-2009 Dept of Defense, Air Force, USA  
Voice Transformation and Detection  
AF071-087,  
Phase I: 75 kUSD  
Phase II: 600 kUSD
- 2003-2007 E.U. IST, Network of Excellence: SIMILAR  
150kE (partner's part)
- 2006-2008 Greek Ministry of Development, GSRT: TV++, Multimedia Indexing Systems  
65 kE (partner's part)
- 2006-2008 Greek Ministry of Development, GSRT: AKMON: Analysis of Voice Pathology  
150 kE
- 2006-2010 E.U. ESF, COST OFFICE:  
VOICE: Advanced Voice Function Assessment  
> 450kE
- 2010 Latsis Foundation: Automatic detection of murmurs in Children Phonocardiographic signals  
12 kE
- 2010-2013 EE – FP7 FET-OPEN: LISTA: The Listening Talker:  
585 kE (partner's part)
- 2010-2011 France Telecom , R&D Department, Lannion, France  
Basic Research on Speech Analysis  
Contract No: 50012310-A09141

## Curriculum Vitae: Yannis Stylianou

40kE

2010-2013 France Telecom , R&D Department, Lannion, France  
Basic Research on Speech Analysis  
Contract No:  
30kE

2012-2015 Greek Ministry of Education, THALES Program:  
ERASITECHNIS *Processing, Analysis, Synthesis and Context-Based Retrieval for  
Multimedia Music-Related Data Bases of Traditional Music and Dancing Recordings*  
150 kE (partner's part)

### CONFERENCE/SPECIAL SESSION ORGANIZATION

- 2005 Chairman and Organizer  
Workshop on Nonlinear Speech Processing, WNSP05, 20/09-23/09, Heraklion Crete
- 2007 Chairman and Organizer  
1<sup>st</sup> Workshop on Advanced Voice Quality Assessment, 27/04-29/04, 2007 Heraklion Crete
- 2007 Co-Chairman and Co-organizer  
Special Session on: Objective assessment of voice and speech quality,  
Interspeech 27-31 Aug. 2007 Antwerp, Belgium
- 2009 Chairman and Organizer  
Special Session on: Voice Conversion,  
IEEE ICASSP09, April 19-24, 2009, Taipei, Taiwan
- 2009 Co-Organizer  
Thematic Symposium: Immersive Communication  
IEEE ICASSP09, April 19-24, 2009, Taipei, Taiwan
- 2009, 2011 Area Chair/Coordinator:  
1. Automatic Speech/Speaker Characterization and Modification  
Interspeech 2009, Brighton, UK  
2. Speech & Spoken Language Generation - Speech Synthesis,  
Interspeech 2011, Florence, Italy  
3. Speech Perception and Synthesis,  
Interspeech 2012, Portland Oregon
- 2002- Session Chair in:  
IEEE ICASSP2002 (1 session),  
IEEE ICASSP2008 (1 session),  
IEEE ICASSP2009 (2 sessions),  
IEEE ICASSP2010 (1 session),  
IEEE ICASSP2011 (1 session),  
Interspeech 2007 (1 session)  
Interspeech 2009 (2 sessions)  
Interspeech 2010 (1 session)  
Interspeech 2011 (1 session)

## Curriculum Vitae: Yannis Stylianou

Interspeech 2012 (1 session)

### SPECIAL ISSUES

- 2009 Lead Guest Editor  
IEEE Trans. On Speech Audio and Language Processing, Special Issue on Voice Transformation, Submission deadline April 1<sup>st</sup>, 2009
- 2010 Guest Editor  
Speech Communication, Special Issue on Advanced Voice Function Assessment  
Submission deadline September 15<sup>th</sup>, 2010
- 2012 Guest Editor  
Computer Speech and Language, Special Issue on the Listening Talker  
Submission deadline October 14<sup>th</sup>, 2012

### INVITED TUTORIALS/CHAPTERS

- 2000 Invited Speaker/Tutorial: Signal Processing for Speech Synthesis,  
COST 258: The naturalness of synthetic speech, 23-24 Nov. 2000 , Maastricht,  
Netherlands
- 2005 Chapter: Text-To-Speech Synthesis,  
*The Oxford Handbook of Computational Linguistics, Chapter 17, p.323-338,*  
*Oxford University Press*  
*Editor R. Mitkov*
- 2012 Chapter: Text-To-Speech Synthesis, 2<sup>nd</sup> Edition  
*The Oxford Handbook of Computational Linguistics, Chapter 17, p.323-338,*  
*Oxford University Press*  
*Editor R. Mitkov*
- 2005 Chapter: Modeling Speech based on Harmonic plus Noise Models,  
*Nonlinear Speech Modeling and Applications, Springer-Verlag. 2005, pp 244-260*  
*Eds. G. Chellot, A. Esposito, M. Faundez, M, Marinaro.*
- 2007 Tutorial: Voice Transformation,  
Interspeech 27-31 Aug. 2007 Antwerp, Belgium
- 2007 Invited Speaker/Tutorial: Voice Conversion,  
Faculty of Computer Science, Techn. Univ. of Graz, Austria, 26/09/2007
- 2008 Chapter: Voice Transformation,  
*Springer Handbook of Speech Processing and Speech Communications,*  
*editors-in-chief: Jacob Benesty, Yiteng (Arden) Huang and M. Mohan Sondhi ,*  
*pp. 489-503,*  
*Springer, ISBN 978-3-540-49125-5.*
- 2008 Invited Speaker/Tutorial: Speech Modeling and Modifications,

## Curriculum Vitae: Yannis Stylianou

- (23 hours) for Master programme in Telecommunications, University of the Basque Country, July 2008, Bilbao, Spain
- 2008      Invited Speaker/Tutorial: Voice Transformation,  
VJTH 2008, 12-14 Nov. 2008, Bilbao, Spain
- 2010      Invited Speaker/Tutorial: Speech Modifications,  
7<sup>th</sup> Language and Technology Conference, Ljubljana, Slovenia
- 2011      Invited Speaker/Tutorial: Advances in Speech Signal Processing for Voice Quality  
Assessment,  
(5 hours) for the Master programme in Telecommunications, University of the Basque  
Country, 29-30 Sept 2011, Bilbao, Spain
- 2011      Invited Speaker/Tutorial : Advances in Speech Signal Processing for Voice Quality  
Assessment,  
(5 hours) for Master programme in Telecommunications, University of the Basque  
Country, 29-30 Sept. 2011, Bilbao, Spain
- 2011      Invited Speaker/Tutorial : Marine Mammals Acoustics with Emphasis on Sperm Whales:  
Signal Processing Algorithms,  
(3 hours) for the Master programme in Telecommunications, University of the Basque  
Country, Nov. 2011, Bilbao, Spain
- 2012      Tutorial: From Stationary to Adaptive Sinusoidal Modeling of Speech with Applications to  
Speech Technologies and Voice Function Assessment,  
Interspeech 09-13 Sept. 2012 Portland, Oregon, USA
- 2013      Invited Speaker: Speech Processing and Medical Applications,  
Non-Linear Speech Processing (NOLISP) June 19-21 2013, Mons, Belgium.

### SUPERVISOR OF PHD THESES

- 2004-2007      Yannis Agiomyrgiannakis, (now with Google Research, London, UK)  
*Sinusoidal Coding of Speech for Voice over IP*
- 2005-2011      Maria Markaki,  
*Modulation Spectra and their application on Speech Processing*
- 2006-2010      Yannis Pantazis, (now post Doc, Department of Mathematics and Statistics of the University of  
Massachusetts, Amherst)  
*Decomposition of AM-FM signals with Applications in Speech Signal Processing*  
(with Olivier Rosec, FT Orange Labs, France)
- 2006-2010      Andre Holzapfel, (now post Doc, INESC Porto, Music technology)  
*Similarity Methods for Computational Ethnomusicology.*
- 2010-              Giorgos Kafentzis,  
*Speech Modifications in a Quasi-Harmonic Environment.*  
(with Olivier Rosec, FT Orange Labs, France, and Olivier Boeffard, Univ. de Rennes I, France)

## Curriculum Vitae: Yannis Stylianou

2011- Maria Koutsoyannaki,  
*Active Speech Modifications*

### POST DOCTORAL RESEARCH FELLOWS

2012- Maria Markaki  
*Speech decompositions and Vibrato Analysis*

2012- Elizabeth Godoy,  
*Signal Representations and Lombard Effect*

2011- Vassilios Tsiaras,  
*Time-Frequency Analysis of Signals*

2011- Gilles Degottex  
*Speech Modifications and Inverse Filtering*

2010-2011 Chang Heon Lee  
*Speech Coding for TTS (with Olivier Rosec, FT Orange Labs, France)*

2010- Yannis Pantazis  
*Mathematical Modeling of Speech Signals*

### IN PHD THESES COMMITTEE (THE MOST RECENT)

2012

Laura Laaksonen,  
*Artificial bandwidth extension of narrowband speech – enhanced speech quality and intelligibility in mobile devices, Aalto University, Finland (Examiner)*

Christian Fischer Pedersen,  
*Z-transform Zeros in Mixed Phase Deconvolution of Speech, Aalborg University, Denmark (Examiner and Opponent)*

Victor Popa,  
*Techniques for Spectral Voice Conversion, Tampere University, Finland, (Opponent)*

2011

Elina Helander  
*Mapping techniques for voice conversion, Tampere University, Finland, (Examiner)*

Elisabeth Godoy  
*Spectral Envelope Transformation for High-Quality Voice Conversion  
Télécom Bretagne/Université de Rennes 1  
(Examiner and Opponent)*

## Curriculum Vitae: Yannis Stylianou

Didier Cadic

*Optimisation du procédé de création de voix en synthèse par sélection*

Université Paris-Sud 11 (Examiner and Opponent)

2010

Thomas Dubuisson

*Glottal Source Estimation and Automatic Detection of Voice Pathologies*, University of Mons, Belgium (Examiner and Opponent)

Thomas Drugman

*Advances in Glottal Analysis and its Applications*, University of Mons, Belgium (Examiner and Opponent)

Fabien Ringeval

*Anchages et modèles dynamique de la prosodie: application à la reconnaissance des émotions actées et spontanées*, Pierre and Marie Curie University, Paris 6, France. (Examiner and Opponent)

Gilles Degottex

*Glottal source and vocal-tract separation*, Pierre and Marie Curie University, Paris 6, France. (Examiner and Opponent)

2009

Larbi Mesbahi

*Transformation automatique de la parole – Etude des Transformations acoustiques*, University de Rennes I, France. (Examiner and Opponent)

Fernando Villavicencio Marquez

*Conversion de la voix de haute qualité*, Pierre and Marie Curie University, Paris 6, France. (Examiner and Opponent)

Marius Kašėta

*Development and Assessment of Automated Categorization System for Organic Laryngeal Diseases*, Kaunas University of Medicine, Lithuania. (Examiner).

Michael Stark

*Source-Filter Based Single Channel Speech Separation*, Graz University of Technology, Austria. (Examiner and Opponent)

Athanassios Katsamanis

*Nonlinear Computational Speech Modeling with Elements of Aerodynamics of the Vocal Tract*

National Technical University of Athens, Greece (Opponent).

## PATENTS

1. Yannis Stylianou and Alex Kain:  
**Stochastic Modeling Of Spectral Adjustment For High Quality Pitch Modification**  
*U.S. Patent # 7478039, January 13th, 2009.*
2. Yannis Stylianou and Alex Kain:  
**Stochastic Modeling Of Spectral Adjustment For High Quality Pitch Modification**



## Curriculum Vitae: Yannis Stylianou

*U.S. Patent # 6910007, June 21st, 2005.*

3. Yannis Stylianou, David Kapilow and Juergen Schroeter:  
**Automatic detection of non-stationarity in speech signals.**  
*U.S. Patent # 6535843, March 18<sup>th</sup>, 2003.*
4. Yannis Stylianou:  
**Simple and Fast Way for Generating a Harmonic Signal.**  
*U.S. Patent # 6466903, Oct. 15<sup>th</sup> 2002.*
5. Yannis Stylianou:  
**Voice Quality Compensation System for Speech Synthesis Based on Unit-Selection Speech Database.**  
*U.S. Patent # 6266638, July 24<sup>th</sup> 2001.*
6. Yannis Stylianou, David Kapilow and Juergen Schroeter:  
**Signal Dependent Speech Modifications.**  
*U.S. Patent # 6324501, Nov. 27<sup>th</sup> 2001.*
7. M.C. Beutnagel, D.A. Kapilow, Y. Stylianou, A.K. Syrdal:  
**Employing speech models in concatenative speech synthesis.**  
*U.S. Patent # 6950798, Sep. 27<sup>th</sup> 2005.*
8. Yannis Stylianou:  
**Center of Gravity in Processing of Speech Signals.**  
*U.S. Patent Append, Filed Nov. 27th 1998.*
9. Yannis Stylianou:  
**Speech Frame Synchronization Using Differentiated Phase.**  
*U.S. Patent Append, Filed January 10th 1999.*
10. Yannis Stylianou:  
**A first lag correlative spectrum function for the synchronization of speech frames.**  
*U.S. Patent Append, Filed July 28th 1999.*

PUBLICATIONS

CHAPTERS

8. Thierry Dutoit and Yannis Stylianou:  
**Text-to-Speech Synthesis, 2<sup>nd</sup> Edition**  
*Invited Chapter in The Oxford Handbook of Computational Linguistics, Editor R. Mitkov, Oxford University Press, 2012, Chapter 17.*
7. Thierry Dutoit, Varvara Kandia and Yannis Stylianou:  
**How can marine biologists track sperm whales in the oceans?**  
Chapter in *Applied Signal Processing: A MATLAB-Based Proof of Concept*,  
Thierry Dutoit and Ferran Marques,  
Springer; 1st edition (May 15, 2009), ISBN: 0387745343
6. Yannis Stylianou:  
**Voice Transformation**  
Invited Chapter in:  
*Springer Handbook of Speech Processing and Speech Communications*, pp. 489-503, editors-in-chief: Jacob Benesty, Yiteng (Arden) Huang and M. Mohan Sondhi  
*Springer, ISBN 978-3-540-49125-5, 2008.*
5. Yannis Pantazis and Yannis Stylianou:  
**On the Detection of Discontinuities in Concatenative Speech Synthesis**  
*Springer Lecture Notes in Computer Sciences: Progress in Non Linear Speech Processing* ,  
Volume Editors: Yannis Stylianou, Marcos Faundez Zanuy and Anna Esposito,  
*Springer, ISBN 3540715037, May 3 2007*
4. Maria Markaki and Yannis Stylianou:  
**Extraction of Speech-relevant Information from Modulation Spectrograms**  
*Springer Lecture Notes in Computer Science: Progress in Non Linear Speech Processing*,  
Volume Editors: Yannis Stylianou, Marcos Faundez Zanuy and Anna Esposito,  
*Springer, ISBN 3540715037, May 3 2007*
3. Yannis Stylianou:  
**Modeling Speech based on Harmonic plus Noise Models.**  
Invited Chapter in *Nonlinear Speech Modeling and Applications*, Springer-Verlag. 2005, pp 244-260  
Eds. G. Chellot, A. Esposito, M. Faundez, M. Marinaro.
2. Yannis Pantazis and Yannis Stylianou:  
**Non linear approaches to the detection of discontinuities in concatenative speech synthesis**  
Chapter in *Nonlinear Speech Modeling and Applications*, Springer-Verlag. 2005, pp. 375-383

Eds. G. Chellot, A. Esposito, M. Faundez, M, Marinaro.

1. Thierry Dutoit and Yannis Stylianou:

**Text-to-Speech Synthesis.**

*Invited Chapter in The Oxford Handbook of Computational Linguistics, Editor R. Mitkov, Oxford University Press, 2003, Chapter 17, p.323-338.*

JOURNALS

22. Sevasti-Zoi Karakozoglou, Nathalie Henrich, Christophe d'Alessandro, and Yannis Stylianou:

**Automatic glottal segmentation using local-based active contours**

Speech Communication, Special Issue on Advanced voice Function Assessment, Vol. 54 (5), pp 641-654, June 2012.

21. Devora Kiagiadaki, Theognosia Chimona, Gregory Chlouverakis, Yannis Stylianou, Efklidis Proimos, Chariton Papadakis, John Bizakis:

**Evaluating the outcome of phonosurgery: comparing the role of VHI and VoISS questionnaires in the Greek language.**

Accepted to Journal of Voice, Aug 2011,

[doi:10.1016/j.jvoice.2011.05.002](https://doi.org/10.1016/j.jvoice.2011.05.002)

20. Yannis Pantazis, Olivier Rosec, and Yannis Stylianou:

**Reply to "Iterative Estimation of Sinusoidal Signal Parameters"**

IEEE Signal Processing Letters, pp. 1024-1026, Vol.17, No.12, Dec 2010

19. J.D. Arias-Londono, J.I. Godino-Llorente, M. Markaki, and Y. Stylianou:

**On combining information from Modulation Spectra and Mel-Frequency Cepstral coefficients for Automatic Detection of Pathological Voices**

Logopedics, Phoniatrics, Vocology (LPV) Vol.36, Issue 2, pp. 60-69, Jul 2011 doi:10.3109/14015439.2010.528788

18. Maria Markaki and Yannis Stylianou:

**Voice Pathology Detection and Discrimination based on Modulation Spectral Features**

IEEE Trans. on Audio, Speech and Language Processing, Vol.19, Issue 7, pp 1938-1948, Sept 2011

17. Maria Markaki and Yannis Stylianou:

**Discrimination of Speech from Nonspeech in Broadcast News Based on Modulation Frequency Features**

Speech Communication: Special Issue on Perceptual and Statistical Audition, *Speech Communication, Volume 53, Issue 5, May-June 2011, Pages 726-735*

16. Yannis Pantazis, Olivier Rosec, and Yannis Stylianou:

**Adaptive AM-FM Signal Decomposition with  
Application to Speech Analysis**

IEEE Trans. on Audio, Speech and Language Processing, Vol.19,  
No.2, Feb 2011, pp 290-300.

15. Yannis Pantazis, Olivier Rosec, and Yannis Stylianou:  
**Iterative Estimation of Sinusoidal Signal Parameters**  
IEEE Signal Processing Letters, Vol.17, No.5, May 2010, pp 461-464
14. Emmanouil Benetos and Yannis Stylianou:  
**Auditory spectrum-based pitched instrument onset detection.**  
IEEE Trans. on Audio, Speech and Language Processing, Vol.18,  
No.8, Nov 2010, pp 1968-1977
13. Andre Holzapfel and Yannis Stylianou:  
**Scale Transform in Rhythmic similarity of Music.**  
IEEE Trans. on Audio, Speech and Language Processing, Vol. 19,  
No.1, pp 176-185, Jan. 2011
12. Andre Holzapfel, Yannis Stylianou, Ali C. Gedik, and Baris, Bozkurt:  
**Three dimensions of pitched instrument onset detection**  
IEEE Trans. on Audio, Speech and Language Processing, Vol. 18,  
No.6, pp 1517-1527, Aug. 2010
11. Milos Vassilakis and Yannis Stylianou  
**Voice Pathology Detection based on Short-Time Jitter  
Estimations in Running Speech**  
Folia Phoniatica et Logopaedica, Vol.61, No.3, pp 153-170,  
2009  
DOI: 10.1159/000219951
10. Milos Vassilakis and Yannis Stylianou  
**Spectral jitter modeling and estimation**  
Elsevier Biomedical Signal Processing and Control.  
Special Issue: M&A of Vocal Emissions, 2009,  
DOI: 10.1016/j.bspc.2009.02.001
9. Yannis Agiomyrgiannakis and Yannis Stylianou  
**Wrapped Gaussian Mixture Models for Modeling and High-Rate  
Quantization of Phase Data of Speech**  
IEEE Trans on. Audio, Speech and Language Processing,  
Vol.17, No.4, pp 775-786, 2009
8. Varvara Kandia and Yannis Stylianou:  
**Detection of Clicks based on Group Delay**  
Canadian Acoustics, vol.36, no.1, pp 48-54, 2008  
Special Issue on Marine Mammals Detection and Classification.
7. Andre Holzapfel and Yannis Stylianou:  
**Musical genre classification using Non-negative Matrix  
Factorization based features**  
IEEE Trans. on Audio, Speech and Language Processing, Vol.  
16(2), pp. 424-434, Feb 2008.
6. Yannis Agiomyrgiannakis and Yannis Stylianou:  
**Conditional Vector Quantization for Speech Coding**

## Curriculum Vitae: Yannis Stylianou

IEEE Trans. on Audio, Speech and Language Processing, Vol. 15(2), pp. 377-386, Feb 2007.

5. Kandia Varvara and Yannis Stylianou:  
**Detection of sperm whale clicks based on the Teager-Kaiser Energy Operator**  
*Applied Acoustics* N.67 pp 1144-1163, 2006.
4. Yannis Stylianou:  
**Applying the Harmonic plus Noise Model in Concatenative Speech Synthesis.**  
*IEEE Trans. Speech and Audio Processing*, 9(1):21-29, 2001
3. Yannis Stylianou:  
**Removing Linear Phase Mismatches in Concatenative Speech Synthesis.**  
*IEEE Trans. Speech and Audio Processing*, 9(3):232-239, 2001
2. Yannis Stylianou:  
**A simple and fast way for generating a harmonic signal**  
*IEEE Signal Processing Letters*, Vol.7 Number 5, May 2000.
1. Yannis Stylianou, Olivier Cappe and Eric Moulines:  
**Continuous Probabilistic Transform for Voice Conversion.**  
*IEEE Trans. on Speech and Audio Processing*, vol6(2), pp. 131-142, March 1998.

## CONFERENCES

100. M. Koutsogiannaki, M. Pettinato, C. Mayo, V. Kandia and Y. Stylianou,  
**Can modified casual speech reach the intelligibility of clear speech?**  
*Accepted Interspeech2012, Portland Oregon, USA, Sept 9-13 2012*
99. George Kafentzis, Olivier Rosec and Yannis Stylianou,  
**On the Modeling of Voiceless Stop Sounds of Speech using Adaptive Quasi-Harmonic Models**  
*Accepted Interspeech2012, Portland Oregon, USA, Sept 9-13 2012*
98. Elizabeth Godoy and Yannis Stylianou,  
**Unsupervised Acoustic Analyses of Normal and Lombard Speech, with Spectral Envelope Transformation to Improve Intelligibility**  
*Accepted Interspeech2012, Portland Oregon, USA, Sept 9-13 2012*
97. Gilles Degottex and Yannis Stylianou,  
**A Full-Band Adaptive Harmonic Representation of Speech**  
*Accepted Interspeech2012, Portland Oregon, USA, Sept 9-13 2012*
96. Daniel Erro, Yannis Stylianou, Eva Navas and Inma Hernaez,  
**Implementation of Simple Spectral Techniques to Enhance the Intelligibility of Speech using a Harmonic Model**  
*Accepted Interspeech2012, Portland Oregon, USA, Sept 9-13 2012*

95. Tudor-Cătălin Zorilă, Varvar Kandia and Yannis Stylianou,  
**Speech-in-noise intelligibility improvement based on spectral shaping and dynamic range compression**  
*Accepted Interspeech2012, Portland Oregon, USA, Sept 9-13 2012*
94. Tudor-Cătălin Zorilă, Varvar Kandia and Yannis Stylianou,  
**Speech-in-noise intelligibility improvement based on power recovery and dynamic range compression**  
*Accepted EUSIPCO2012, Bucharest, Romania, Aug 27-31 2012*
93. Tudor-Cătălin Zorilă and Yannis Stylianou,  
**Improving speech intelligibility in noise environments by spectral shaping and dynamic range compression**  
*Abstract, LISTA Workshop, Edinburgh, 2-3 May 2012*
92. Elizabeth Godoy, Yannis Stylianou and Julián Villegas,  
**Unsupervised normal-to-Lombard spectral envelope transformation: Examining loudness, voicing and stationarity**  
*Abstract, LISTA Workshop, Edinburgh, 2-3 May 2012*
91. Daniel Erro, Yannis Stylianou, Eva Navas and Inma Hernaez,  
**Simple spectral techniques to enhance the intelligibility of speech using a harmonic model**  
*Abstract, LISTA Workshop, Edinburgh, 2-3 May 2012*
90. M. Koutsogiannaki, C. Mayo, V. Kandia and Y. Stylianou,  
**Identifying tenseness of Lombard speech using phase distortion**  
*Abstract, LISTA Workshop, Edinburgh, 2-3 May 2012*
89. Gilles Degottex, Elizabeth Godoy and Yannis Stylianou,  
**On the detection of the intelligibility advantage of clear speech vs. casual speech**  
*Abstract, LISTA Workshop, Edinburgh, 2-3 May 2012*
88. George Kafentzis, Olivier Rosenc and Yannis Stylianou,  
**An extension of the Adaptive Quasi-Harmonic Model,**  
*IEEE ICASSP-2012, Kyoto, Japan, March 25-30, 2012*
87. Chang-Heon Lee, Olivier Rosenc, and Yannis Stylianou,  
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