

# Anastasia Pampouchidou

Teacher, PhD Candidate

## contact

pampouch@ics.forth.gr

## languages

mother tongue: greek  
proficiency in english  
beginner: french

## programming

advanced: MATLAB  
intermediate: C / C++  
(OpenSceneGraph,  
OpenCV), JavaScript,  
VBscript, HTML , ASP,  
Actionscript

## references

upon request

## marital status

married, two children

## leisure

Outdoor activities,  
dancing

## interests

image processing, pattern recognition, machine learning, facial image analysis, affective computing, nonverbal communication

## education

- 2013- now **Ph.D. candidate** Université de Bourgogne  
*Automatic Detection of Visual Cues Associated to Depression*  
Grant by Greek State Scholarship Foundation
- 2009–2011 **M.Sc. in Computer Vision** Université de Bourgogne  
Thesis: Facial-gesture Based Interaction with expressive virtual characters  
Grant by the Greek Ministry of Education (Full fund for two years of MSc)
- 1999-2004 **B.Sc. in Applied Informatics & Multimedia** T.E.I. of Crete  
Thesis: Technological Foresight in Health Informatics
- 2003 **Exchange student** University of Glamorgan  
Erasmus Scholarship
- 1999 **Programming Degree** Technological High School of Naousa  
With honours, grade 18.7 (out of 20)

## experience

- 10/2013 - 08/2015 **CBML/FORTH, Heraklion** R&D Engineer  
*Image processing, facial expression analysis*
- 09/2011 – 01/2012 **Primary Education Division, Heraklion** Payroll
- 09/2008 – 06/2009 **ISL/TEI of Crete, Heraklion** Teaching assistant  
*Pattern Recognition, Neural Networks, Bioinformatics*
- 05/2002 – 06/2009 **Vocational inst. Veria&Heraklion; Iron&KEE Veria; Eurydice; Go-Online** Trainer  
*Programming, multimedia & web-development, databases, windows, Office*
- 12/2004 – 08/2008 **OEEK Thessaloniki** Examiner
- 09/2004 – 08/2008 **Secondary Education Division Cyclades; Vocational Inst. Veria** Secretary
- 06/2000 – 03/2008 **Voc.Instit. of Veria; Semantic Co; Tilematiki Co; T.E.I. of Crete** Technician  
*PC & mobile phones repairs & upgrades, network management*
- 09/2004 – 06/2006 **Primary & secondary education; ECDL, other private** Teacher

## Memberships

IEEE, AEI

# publications

## Journals

[J2] A.Pampouchidou, P.Simos, K.Marias, F.Meriaudeau, F.Yang, M.Pediaditis, and M.Tsiknakis. Automatic Assessment of Depression Based on Visual Cues: A Systematic Review. *IEEE Transactions on Affective Computing*, **Submitted**

[J1] A.Pampouchidou, A.Maridaki, M.Pediaditis, M.Awais, C.M.Vazakopoulou, S.Sfakianakis, M.Tsiknakis, P.Simos, K.Marias, F.Yang, and F.Meriaudeau. "Quantitative comparison of motion history image variants for video-based depression assessment", *EURASIP Journal on Image and Video Processing* "Special Issue on Applications of Visual Analysis of Human Behaviour", *Submitted*

## Conferences

[C18] A.Pampouchidou, O.Simantiraki, C-M.Vazakopoulou, K.Marias, P.Simos, F.Yang, F.Meriaudeau, M.Tsiknakis. Détection de la dépression par l'analyse de la géométrie faciale et de la parole, *XXVIème colloque du Groupement de Recherche en Traitement du Signal et des Images*, Juan-Les-Pins, France, *Submitted*

[C17] O.Simantiraki, P.Charonyktakis, A.Pampouchidou, M.Tsiknakis, and M.Cooke. Glottal Source Features for Automatic Speech-based Depression Assessment, *INTERSPEECH*, Stockholm, Sweden, *Accepted, to be presented Aug.2017*

[C16] A.Pampouchidou, O.Simantiraki, C-M.Vazakopoulou, C.Chatzaki, M.Pediaditis, A.Maridaki, K.Marias, P.Simos, F.Yang, F.Meriaudeau, and M.Tsiknakis. Facial Geometry and Speech Analysis for Depression Detection, *39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, IEEE*, Jeju, Korea, *Accepted, to be presented Jul.2017*

[C15] O.Simantiraki, G.Giannakakis, A.Pampouchidou and M.Tsiknakis. Stress Detection from Speech Using Spectral Slope Measurements. *6th EAI International Symposium on Pervasive Computing Paradigms for Mental Health*, **Nov.2016**

[C14] A.Pampouchidou, O.Simantiraki, A.Fazlollahi, A.Pediaditis, D.Manousos, A.Roniotis, G.Giannakakis, F.Meriaudeau, P.Simos, K.Marias, F.Yang and M.Tsiknakis. Depression Assessment by Fusing High and Low Level Features from Audio, Video, and Text, *AVEC'16: The 6th International Audio/Visual Emotion Challenge and Workshop, ACM Multimedia*, **Oct.2016**

[C13] A.Pampouchidou, M.Pediaditis, F.Chiarugi, K.Marias, P.Simos, F.Yang, F.Meriaudeau, and M.Tsiknakis. Automated Characterization of Mouth Activity for Stress and Anxiety Assessment. *IEEE International Conference on Imaging Systems and Techniques*, **Oct.2016**

[C12] A.Pampouchidou, K.Marias, M.Tsiknakis, P.Simos, F.Yang, and F.Meriaudeau. Video-Based Depression Detection Using Local Curvelet Binary Patterns in Pairwise Orthogonal Planes. *38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, **Aug.2016**

[C11] A.Pampouchidou, E.Kazantzaki, I.Karatzanis, K.Marias, M.Tsiknakis, F.Meriaudeau, F.Yang, and P.Simos. Preliminary Evaluation of a Web-Oriented Assessment Tool for Emotion Recognition. *13th International Conference on Wearable, Micro & Nano Technologies for Personalized Health*, **May 2016**

[C10] A.Pampouchidou, K.Marias, M.Tsiknakis, P.Simos, F.Yang, and F.Meriaudeau. Designing a Framework for Assisting Depression Severity Assessment from Facial Image Analysis. *IEEE International Conference on Signal and Image Processing Applications*, **Oct.2015**

- [C9] M.Pediaditis, G.Giannakakis, F.Chiarugi, D.Manousos, A.Pampouchidou, E.Christinaki, G.Iatraki, E.Kazantzaki, P.G.Simos, K.Marias, and M.Tsiknakis. Extraction of Facial Features as Indicators of Stress and Anxiety. *37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, **Aug.2015**
- [C8] Chiarugi, F., Iatraki, G., Christinaki, E., Manousos, D., Giannakakis, G., Pediaditis, M., Pampouchidou, A., Marias, K., & Tsiknakis, M.N. Facial signs and psycho-physical status estimation for well-being assessment. *7th IEEE International Conference on Health Informatics*, **Mar. 2014**
- [C7] Papadourakis, G.M., Pampouhidou, A., Ware,A., Tsigiotis, G., "Overview Of European Master Programs In Computing and Informatics" , *European Association for Education in Electrical and Information Engineering*, **June 2009**
- [C6] Nikitakis, M., Pampouchidou, A., Informative Literacy in Distance Learning: Fundamental Principles and Pedagogic Issues, *1st Scientific Symposium Information Literacy and Greek Higher Education*, **Dec. 2008**
- [C5] Papadourakis, G.M., Pampouchidou, A., Pangalos, G., Chassapidou. E., Ware, A., Design of a European Master Program entitled: "INTELLIGENT COMPUTER SYSTEMS", *6th Conference on Education for Technology and Professional Training*, **Nov. 2008**
- [C4] Papadourakis, G.M., Pampouchidou, A.I., Koukoumas, N., Web-Oriented Data Base Regarding Medical Informatics, *International Conference on Advances in Medical Signal and Information Processing*, **Sept. 2004**
- [C3] Papadourakis, G.M., Koukoumas, N. and Pampouchidou, A.I., Medical Informatics: the Portal, *2nd International Conference on Information Communication Technologies in Health*, **Jul. 2004**
- [C2] Papadourakis, G.M., Pampouchidou, A., Design of a European Master Program entitled: "Applied Informatics and Multimedia", *3rd Conference on Education for Technology and Professional Training*, **Nov. 2002**
- [C1] Papadourakis, G.M., Pampouchidou, A., European Masters Programs: A European review, *Proceedings of the International Educational Seminar in framework of EU Erasmus Project*, Dennis Gabor College, **Sept. 2002**

## Volunteering Experience

Publications Chairs	<b>EAI</b>	October 2017
	International Conference: ArtsIT, Interactivity & Game Creation	
Reviewer	<b>Elsevier</b>	November 2016, September 2017
	Biomedical Signal Processing and Control	
Reviewer	<b>Hindawi</b>	August 2017
	International Journal of Telemedicine and Applications	
Reviewer	<b>EAI</b>	July 2017
	International Conference: ArtsIT, Interactivity & Game Creation	
Reviewer	<b>IEEE</b>	June 2017
	Conference of the IEEE Industrial Electronics Society	
Reviewer	<b>IEEE</b>	May 2015, May 2017
	International Conference on Signal and Image Processing Applications	
Session Chair	<b>IEEE</b>	October 2016
	International Conference on Imaging Systems and Techniques	