

EVANGELOS A. SKODRAS



Date of Birth: 28 August 1985
Nationality: Greek
Tel: (Work): +30 2610 969 806
(Mobile): +30 6972 965 909
Webpage: <http://www.wcl.ece.upatras.gr/ai/people/skodras-evangelos>
E-mail: evskodras@upatras.gr, evskodras@gmail.com

Educational background

11/2009 – Today PhD Candidate, Wire Communications Lab, ECE Dept, University of Patras, Greece (PhD subject: Facial Feature Extraction and Estimation of Gaze Direction in Human-Computer Interaction)
4/2011 – 6/2011 Visiting PhD Researcher at Multimedia Signal Processing Group (MMSPG), EPFL, Lausanne, Switzerland
2003 – 2009 BSc-MEng in Electrical and Computer Engineering, University of Patras, Greece (GPA: 7.18/10.0)

Skills

Foreign languages: Expert level in spoken and written English (Certificate of Proficiency, The University of Michigan)
Intermediate level in spoken and written French (Delf Diploma B2)

Programming & Computing: Expert level: MATLAB, C, Java, Android Application Development¹
Intermediate level: Python, Latex
Basic level: 6800 assembly, PIC assembly

Other Skills: First Aid Samaritan Volunteer (Hellenic Red Cross), Basic Life Support/Automated External Defibrillator (BLS/AED) certificate from the European Resuscitation Council

Teaching Experience

- Lab Courses in C, Python

¹ Google Play: “Eye Localization”

Distinctions

- 2015 **Most Innovative App prize** (EESTEC International Android Competition 2015) for “Eye Type” mobile application
- Computer Society Award** (IEEE Mobile Application Development Contest 2015) for “Eye Type” mobile application
- 2009 **Best Paper Award** – 3rd Panhellenic Scientific Student Conference in Informatics “Eureka 2009”, Corfu, Greece, 2009

Publications

Journal publications

- **Skodras E.**, Kanas V. and Fakotakis N., “On Visual Gaze Tracking Based on a Single Low Cost Camera”, *Signal Processing: Image Communication, Elsevier* (accepted with revisions)
- **Skodras E.** and Fakotakis N., “Precise Localization of Eye Centers in Low Resolution Color Images”, *Image and Vision Computing Journal, Elsevier*, 2015
- Yazdani A., **Skodras E.**, Fakotakis N. and Ebrahimi T., “Multimedia Content Analysis for emotional characterization of music video clips”, *EURASIP Journal on Image and Video Processing*, 2013

Conference publications

- Lebreton P., Mäki T., **Skodras E.**, Hupont I. and Hirth M., “Bridging the gap between eye tracking and crowdsourcing”, *SPIE Conference on Human Vision and Electronic Imaging XX*, San Francisco, USA, February 2015.
- Hupont I., Lebreton P., Mäki T., **Skodras E.** and Hirth M., “Is affective crowdsourcing reliable?”, *5th IEEE International Conference on Communications and Electronics*, Da Nang, Vietnam, July 2014.
- **Skodras E.** and Fakotakis N., “An Accurate Eye Center Localization Method for Low Resolution Color Imagery”, *IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2012)*, Athens, Greece, November 2012
- **Skodras E.**, Siogkas G., Dermatas E. and Fakotakis N., “Rear Lights Vehicle Detection for Collision Avoidance”, *International Conference on Systems, Signals and Image Processing (IWSSIP 2012)*, Vienna, Austria, April 2012
- Siogkas G., **Skodras E.** and Dermatas E., “Traffic Lights Detection in Adverse Conditions Using Color, Symmetry and Spatiotemporal

Information”, *International Conference on Computer Vision Theory and Applications (VISAPP 2012)*, Rome, Italy, February 2012

- **Skodras E.** and Fakotakis N., “An Unconstrained Method for Lip Detection in Color Images”, *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2011)*, Prague, Czech Republic, May 2011
- **Skodras E.**, Siogkas G. and Dermatas E., “Vehicle Detection based on Digital Image Processing”, *3rd Panhellenic Scientific Student Conference in Informatics “Eureka 2009”*, Corfu, Greece, September 2009 (In Greek)

Participation in EU projects

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| 03/2015 – Today | Participation in the GRST project “MOMIRAS” – Mobile Mixed Reality System |
| 12/2012 | Visiting researcher at EPFL in the frames of the EU COST ACTION 1003 project “QUALINET” – European Network on Quality of Experience in Multimedia Systems and Services |
| 9/2010 – 5/2012 | Participation in the LIFE EU project “AMIBIO” – Automatic acoustic Monitoring and Inventorying of Biodiversity |
| 12/2011 | Visiting researcher at EPFL in the frames of the EU COST ACTION 1003 project “QUALINET” |
| 4/2011 – 6/2011 | Visiting researcher at EPFL in the frames of the FP7 EU project “Petamedia” – Peer-to-peer Tagged Media (Network of Excellence) |
| 11/2009 – 2/2010 | Participation in the FP7 EU project “Playmancer” – A European Serious Gaming 3D Environment |

Membership in professional organizations

- Member of the Technical Chamber of Greece
- IEEE Student Member

Research Interests

- Computer Vision
- Human Computer Interaction
- Image and Video Processing
- Pattern Recognition