



Georgios Kouroupetroglou

Title: Associate Professor on Speech Signal Processing and Computer Accessibility

Sector: Telecommunications and Signal Processing

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Academic Qualifications:

- Ph.D. in Signal Processing for Telecommunications (1983) Dept. of Physics, University of Athens (*implemented with the National and Technical University of Athens and partially in Scuola Normale Superiore, Università di Pisa*)
- B.Sc. in Physics (1978) Dpt. of Physics, University of Athens

Appointments:

- 2008- : Associate Professor, Dep. of Informatics and Telecommunications, University of Athens
- 1989-2008: Assistant Professor, Dep. of Informatics and Telecommunications, University of Athens
- 1997-1998: Consultant on Information Society, Hellenic Ministry of Development
- 1988-1989: Assistant Professor, Electronics Lab., Dep. of Physics, University of Athens
- 1984-1988: Lecturer, Electronics Lab., Dep. of Physics, University of Athens
- 1984-1985: Professor, Advanced School of Signal Officers, the Hellenic Arms
- 1983 : Instructor, Computer Lab. United Nations' Center of Physics, Trieste, Italy

Teaching Activities: (current)

Undergraduate courses

- Speech Processing
- Real Time Digital Signal Processing Systems

Postgraduate courses

- Voice Technologies
- Computer Interaction with the Analog Word

Supervisor of 5 Ph.D. dissertations

Research Interests/Activities:

- Speech, Singing & Music Processing/Analysis and Synthesis,
- Computer Mediated Interpersonal (non-verbal, visual based) Communication,
- Information Accessibility & Services for Disabled and Elderly People
- Information Technologies for Interactive Learning,
- Multimodal Human Computer Interaction.

Scientific Publications/Citations:

- 18 papers in international refereed journals,
- 19 int. conf. papers published in Lecture Notes in Computer Science (LNCS) / Lecture Notes in Artificial Intelligence (LNAI) volume series (peer reviewed)
- 58 papers in intern. conference proc. (peer reviewed),
- 9 books, and 19 book chapters,
- 2 editorials of international conference proceedings,

- 2 invited papers in international journals
- 27 papers in proc. of national conference proceedings,
- 10 editorials of national conference proceedings
- more than 350 citations

Top five publications

A. Pino and G. Kouroupetroglou: "ITHACA: An Open Source Framework for Building Component-based Augmentative and Alternative Communication Applications", ACM Transactions on Accessible Computing (TACCESS), Vol. 2(4), pp. 14.1-14.30, 2010

D. Delviniotis, G. Kouroupetroglou, and S. Theodoridis: "Acoustic Analysis of musical intervals in modern Byzantine Chant Scales", Journal of the Acoustical Society of America (JASA), Vol.124(4), pp. 262-269, 2008

G. Xydias and G. Kouroupetroglou: "Tone-group F0 selection for modelling focus prominence in small-footprint speech synthesis" Speech Communication, 48(9), 1057-1078, 2006

G. Xydias, D. Spiliotopoulos and G. Kouroupetroglou: "Modelling Improved Prosody Generation from High-Level Linguistically Annotated Corpora", IEICE Transactions of Information and Systems, Vol. E88-D(3), 510-518, 2005

D. Tsonos and G. Kouroupetroglou: "Modeling reader's emotional state response on document's typographic elements" Advances in Human Computer Interaction, 2011 (to appear)

Other Activities:

- Actively participated in a number of European Union's funded and National research projects: in 29 projects he was the scientific responsible/coordinator and in 17 projects he was member of the scientific team.
- Reviewer/evaluator and member of working groups/technical panels of various European Union's projects/programs including the Information Society Technologies (IST) program.
- Member of the scientific / program committee in 47 international conferences and 52 times invited speaker.
- He served as: Chairman / co-Chairman of 6 International Conferences, Organizer / Chairman of 5 Special Sessions in International Conferences and member of the Organizing Committee in 5 International Conferences.
- Editorial member of the scientific journals: International Journal Universal Access in the Information Society, published by Springer (member of the editorial board), Journal of Augmentative and Alternative Communication (AAC) published by Taylor & Francis (consulting editor) and Cognition: the HCOgSciS Journal (consulting editor).
- Founder & Head of the Accessibility Unit for Students with Disabilities, University of Athens (2006-).