

# Curriculum Vitae of Dimitris Kugiumtzis

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Homepage: <http://users.auth.gr/dkugiu>

E-mail: dkugiu@auth.gr



**Current Position:** Professor, Division of Electronics and Computer Engineering, Department of Electrical and Computer Engineering, Faculty of Engineering, Aristotle University of Thessaloniki (**AUTH**), Greece

**Education:** B.Sc. at the Dept of Mathematics, AUTH (1987); Cand. Scient (M.Sc.) and Doktor Scient (PhD) at the Dept of Informatics, University of Oslo, Norway (1991 and 1997, respectively).

**Professional Experience:** Associate Professor at the Institute of current position (2010 – 2016); Assistant Professor at the Institute of current position (2001 – 2010); Lecturer B at the Department of Statistics, University of Glasgow, UK (2000-2001); Guest Scientist (postdoc) at the Max-Planck-Institute for Physics of Complex Systems, Dresden, Germany (1998-1999); Associate Researcher (postdoc) at the National Center for Epilepsy, Norway (1997).

**Expertise and Research Interests:** Linear and nonlinear analysis of time series; connectivity analysis of multivariate time series; complex systems from multivariate time series; complex networks; computational statistics; dynamical systems, chaos and complexity; machine learning (classification, clustering and feature selection); software development; stochastic simulation; computational neuroscience; analysis of geophysical data; analysis of financial data; econophysics; analysis of biological data; analysis of data in engineering; biosurveillance.

**Funded projects:** Coordinator of four past research projects, two from the General Secretariat for Research and Technology (GSRT), Greece, and two from AUTH. Participant in 4 past research projects, two from EU and two from GSRT, and two current research projects: 1) collateral agreement Greece – Israel (2018-2021) and 2) UCB Biopharma (2018-2020).

**Conferences:** Participated in the organization of two international and three national conferences; main organizer of one national summer school and conference; organized sessions in many international conferences; invited speaker in a number of international and national conferences; participated with oral presentation in over 50 international conferences and over 20 national conferences.

**Publications:** Sum of times cited without self-citations: 865, *h*-index: 19, source Web of Science (Thomson Reuters): <http://apps.webofknowledge.com> as of 26/6/2017

67 papers in international peer-reviewed journals; 24 papers in international peer-reviewed conference proceedings; 29 papers in national conference proceedings; 3 chapters in books and 6 Research or Technical Reports. Full list of publications may be found in <http://users.auth.gr/dkugiu/> (Publications)

**Reviewer:** Reviewing over 25 papers per year in various journals in the disciplines of physics, statistics, engineering, informatics, neuroscience, and less frequently geophysics and finance. Included in the list of [100 Outstanding Referees](#) for the journals of the American Physical Society for the year 2015.

**Evaluator:** EU programs (INTAS, Marie-Curie), research programs in Cyprus (2011 - 2013), Poland (since 2013), Kazakhstan (2015), Belgium (since 2014), Russia (2016-2017), several national research programs in Greece (Pythagoras, Synergasia, IKY, Business Support, ELIDEK, since 2009).

**Supervising:** Main supervisor of 7 PhD (5 obtained, 2 in progress) and member of the supervising committee for 6 PhD (3 completed) (2004 – to date). Main supervisor of over 35 MSc (5 in progress), and member of the supervising committee of over 25 MSc (2003 – to date). Supervising graduate projects at the home Department since 2015. The full list of PhD and MSc projects can be found in <http://users.auth.gr/dkugiu/> (Research)

**Teaching experience:** Several undergraduate and postgraduate courses at AUTH, writing course notes for each course. The full list of courses may be found in <http://users.auth.gr/dkugiu/> (Teaching)

**Administrational experience:** Administration tasks as staff member in all Institutes I served. Member of the Informatics Lab of the Engineering Faculty, AUTH (2009 – to date). Member of several committees of the Department I am currently affiliated to (2013 – to date). Member of the steering committee of the AUTH University campus (2014 – to date) and the steering IT committee of AUTH (2017 – to date).

**Real World Applications:** Statistical analysis of data from physiology (EEG, ECG), geophysics (global climate, earthquakes), engineering (shear strain) and finance (exchange rates, market indices). Software development, e.g. Matlab toolkit MATS (<http://eeganalysis.web.auth.gr> (Software))

**Language Skills:** Greek (mother language) and English: fluent; Norwegian: reading fluent, writing functional, speaking fluent