

Adam Adamopoulos

Short CV

Adam Adamopoulos, BSc, BA, MSc, MA, (Ph.D.)², is Professor in the field of *Medical Physics - Computational Medicine*, faculty staff of the *Laboratory of Computational Medicine, Computational-Artificial Intelligence and Artificial Life* of the Department of Medicine of the Democritus University of Thrace, based in Alexandroupolis, Greece.

Graduate Studies

- *Physics* at the Department of Physics, School of Sciences, University of Crete, Greece
- *Studies in European Culture*, School of Humanities, Hellenic Open University, Greece
- *Modern Greek Philosophy*, Short Curriculum, School of Humanities, Hellenic Open University, Greece.

Postgraduate Studies

- *Computer Science and Technology*, Department of Computer Engineering and Informatics, Faculty of Engineering, University of Patras, Greece
- *Philosophy and Arts*, School of Humanities, Hellenic Open University, Greece.

Doctoral dissertations

- PhD thesis in *Medical Physics* on the subject: *Theoretical (by simulation of neural networks) and Experimental (by processing magnetoencephalograms recorded using SQUID biomagnetometer) study of epilepsy and its treatment with the application of magnetic fields*. Department of Medicine, School of Health Sciences, Democritus University of Thrace, Greece.
- PhD thesis in *Computational Intelligence and Artificial Life* on the subject: *Genetic Algorithms and Cellular Automata for the study of Biomedical and Nonlinear Dynamic Systems*. Department of Computer Engineering and Informatics, School of Engineering, University of Patras, Greece.

Research Interests

- *Medical Physics*
- *Biomagnetism and Medical Applications*
- *Computational Medicine*
- *Machine Learning and Computational Intelligence*
- *Computational Neuroscience and Brain Theory*
- *Complexity Theory and Non-Linear Systems*
- *Fractal Geometry and Biomedical Applications*

- *Processing of Biomedical Signals and Images*
- *Evolutionary Programming*
- *Bio-inspired optimization algorithms*
- *Artificial Life and Biomedical Applications*
- *Social Network Theory and Biomedical Applications*
- *Game Theory and Biomedical Applications*
- *Philosophy and Arts*

Participation in over than 250 publications in scientific journals and international peer-reviewed conferences, guest lectures, books and book chapters.

Teaching

During the current period, teaching of the courses:

- *Medical Physics*, Department of Medicine, Democritus University of Thrace, Greece
- *Biophysics*, Department of Medicine, Democritus University of Thrace, Greece
- *Computational Medicine and Artificial Life*, School of Medicine, Democritus University of Thrace, Greece
- *Physics in Biological Sciences*, Department of Molecular Biology and Genetics, Democritus University of Thrace, Greece
- *Informatics(basic principles and health systems)*, Department of Nursery, Democritus University of Thrace, Greece
- Thematic Unit *BNP52 Recording and Processing of Neural Biosignals*, in the Inter-Institutional Postgraduate Program *Bioinformatics and Neuroinformatics* co-organized by the Hellenic Open University, Greece and the Ionian University, Greece,
- Module *Informatics, Signal and Image Processing*, in the Inter-Institutional Postgraduate Program *Medical Physics – Radiophysics* co-organized by the University of Athens, the Democritus University of Thrace, the University of Ioannina, the Aristotle University of Thessaloniki and the University of Crete, Greece.

Other activities

Regular articles on political-social current affairs, cinema, books and the Arts in print and electronic media such as the daily political newspaper *I Efimerida ton Syntakton*, the electronic magazine in the field of Literature and Arts *O anagnostis*, the electronic magazine on cinema *CameraStyloOnline*.

Contact

e-mail: adam@med.duth.gr
Tel. +30 25510 30501