

**CV**  
**Panagiotis Bamidis**

<i>Name/ Birth date/ Personal Information</i>	Birth date : July 19, 1968 Birth place : Tycherio, Evros, Greece Marital status : Married, 2 children
<i>Title (year degree obtained)</i>	1990, Bachelor in Physics, Aristotle University of Thessaloniki (Greece) 1992, MSc in Medical Physics, University of Surrey, (United Kingdom) 1996, PhD in Bioelectromagnetism (functional brain imaging), The Open University, Milton Keynes (UK)
<i>Address</i>	Aristotle University - Medical School, PO Box 376 54124 Thessaloniki, GREECE Tel. +30 2310 999310, email: bamidis@med.auth.gr
<i>Area of expertise</i>	Biomedical Informatics with emphasis on neurophysiological sensing, signal analysis, and functional brain imaging of human emotions and cognitive decline, games for the elderly (silvergaming), Affective and Physiological Computing and HCI, Assistive Technologies for Active Ageing and special education., Health Information Management, technology enhanced learning in Medical Education (web2.0/social media, semantic web, big educational data and medical learning analytics, serious games, virtual patients, PBL, curriculum transformation, 2nd life simulations).
<i>Professional appointments</i>	2008 - today: Assist. Prof., Medical Education Informatics, Medical School, Aristotle University of Thessaloniki, GR, 2004 - 2008: Lecturer in Medical Informatics, Medical School, Aristotle University of Thessaloniki, GR, (). 2001 - today: Tutor, MSc in Health Care Management, Hellenic Open University, GR 2003- 2004: Senior Research Officer, South East-European Research Centre (SEERC), Thessaloniki, GR. 1998-2004: Senior Lecturer, Department of Computer Science, CITY LIBERAL STUDIES, Affiliated Institution of the University of Sheffield, (). 1998- 2004: Research Associate, Lab of Medical Informatics, Aristotle University of Thessaloniki, GR. 1996-1997: Post-doctoral fellow, Department of Physiological Sciences Medical School, University of Newcastle-upon-Tyne, U.K.
<i>Teaching experience</i>	1999-today: Teaching medical informatics and information technologies in health in the undergraduate medical curriculum as a research assistant, Lecturer and Assistant Professor. 2011-today: co-ordination of the medical education undergraduate module 1999-today: co-ordination and teaching graduate courses (MSc level) in medical informatics, electronic health records, biomedical signal processing, non-linear biological systems simulation, medical informatics standards, and mathematical, programming techniques for health information systems, dental informatics and medical education. 2001-today: tutor for the Hellenic Open University on Health Care Management MSc programme. 1999-2004: Teaching of various modules in the MSc in Information Systems and MSc in Software Engineering and Telecommunications University of Sheffield (CITY College) programmes: multimedia information system and HCI, information society, research methods and dissertation preparation.
<i>Scientific / Editing / Research experience</i>	<b>Reviewer:</b> Neuroscience & Biobehavioral Reviews, International Journal of Psychophysiology, Health Informatics Journal (Sage Publications), Neuroimage, Psychiatry Research, IEEE Transactions on Information Technology in Biomedicine, Biomedical Signal Processing & Control, Methods of Information in

Medicine, Brain Topography, Int. J. Psychophysiology, Interactive Learning Environments, Computer Methods and Programs in Biomedicine, Medical Engineering & Physics, Briefings in Bioinformatics, International Journal of Telemedicine and Applications, Yearbook of Medical Informatics, Hippokratia, the Information Systems Research (on-line journal), International Journal of Distance Education Technologies, as well as, a number of conferences like Medinfo2007, 2013, MIE2008-2012, AMIA 2002, ACM COMPAHEC 2004, 2005, 2006, iSHIMR (2001-) and CBMS (2007-2013), Medicine2.0 (2009-2013) and others.

**Evaluator:** Research Council of Norway – VERDIKT eHealth and social web projects (2011), Welcome Trust (2008), National projects of the General Secretariat of Research and Technology (Ministry of Development; 2002, 2012), national project proposals of the Ministry of Science and Technological Development of the Republic of Serbia (2010).

**Editorial experience:** Guest Editor in: Neuroscience & Biobehavioral Reviews (Elsevier, In preparation 2013), International Journal of Psychophysiology (Elsevier, 2 issues In preparation 2013), Journal of Medical Internet Research (JMIR, In preparation 2013), International Journal of Monitoring and Surveillance Technologies Research (In preparation 2013), Advances in Human-Computer Interaction (2013), IEEE Transactions on Information Technology in Biomedicine (2011), Computer Methods and Programs in Biomedicine (Elsevier, In print 2012), Biomedical Signal Processing & Control (Elsevier, in Print 2011,2012), Special Issue on Space and Aviation Medicine of the Hippokratia Journal (March 2008), Health Informatics Journal (2006). Member of the Editorial Board of the Health Informatics Journal (Sage Publications), Member of the Advisory Committee for the Hippokratia Journal.

**Conferences, societies:**

Founder of: Conference series on Medical Education Informatics (MEI)

Chair of: MEI 2012, the 2011 Conference of the Society of Applied Neuroscience (SAN2011), the 2011 Space Medicine International Conference, the 12th Mediterranean Conference of Medical and Biological Engineering and Computing (MEDICON 2010), Biosignal Pattern Analysis Track Leader (MEDICON 2013), Biomedical Signal Processing Track of the 9th IEEE International Conference on Information Technology and Applications in Biomedicine (ITAB 2009), the 6th International Symposium on Health Information Management Research (iSHIMR2001), Programme Committee for 10th International Symposium on Health Information Management Research (iSHIMR2005).

Organiser of workshops: “Technology enhanced learning in Medical Education” series within the Computer Based Medical Systems Conferences (CBMS2007-2011), “affective computing” within the 20th Computer Based Medical Systems Conference (CBMS2007), “Assistive and Educational Technologies for special target groups” within PETRA 2009, “1st International Workshop on Multi-type Content Repurposing and Sharing in Medical Education” within ITAB2009, special track workshop “Educational Networks” and “Affective Networks” within “PRO-VE 2009.

Member of: the International Steering Committee of the 10th IEEE International Conference on Information Technology and Applications in Biomedicine (ITAB 2010), Steering Committee for the iSHIMR events; and the organising committees for: the International Symposium Biological and Medical Data Analysis (ISBMDA 2006), the Personalised Health Conference (pHealth 2007), and Computers in Cardiology 2003 conference, member of the Life Sciences Division of the International Aerospace Association.

Board Member of: Administration Board of the Innovation Zone of Thessaloniki (2010-), the Greek Association of BioMedical Technology (ELEVIT, Treasurer), the Greek Aerospace Medical Association and Space Research (GASMA, Vice

President), Medbiquitous Standards Committee, Experts Advisory Board of the BRAID project.

**Patents:** Copyright holder of a system for Educating Autistic Children by Using New Technologies (the Autism and Avatar platform). The R&D and system have been maintained following a deed (before a proper patent application).

**R&D Competitive Projects:** Served as project co-ordinator (mEducator, Long Lasting Memories, ePBLnet) and core partner in over 20 EU or nationally funded competitive projects generating over 2.5 MEUROs in R&D grants, in the last 7 years. Major Grants only:

**30519-TEMPUS-1-2012-1-UK-TEMPUS-JPCR.** ePBLNET - Establishment of the Supra-Regional Network of the National Centres in Medical Education, focused on PBL and Virtual Patients. Transforming medical curricula with Problem Based Learning and Virtual Patients, Project Coordinator, 15/10/2012-14/10/2015, Cost 1,279,214.96 Euro, (149,773 Euro the AUTH participation)

**531244-LLP-2012-IT-KA3-KA3MP,** Lifelong Learning Programme, Transversal programme - Key Activity 3: Information and Communication Activities in Lifelong Learning Programme 2007-2013. WHAAM, Web Health Application for Adhd Monitoring. Mobile App development partner. Cost: 517,752.00 Euros, (81,602 Euro the AUTH participation)

**CIP-ICT-PSP.2011.3.2-297268,** DISCOVER- Digital inclusion skills for carers bringing opportunities, value and excellence. Core development and pilot partner, 1/4/2012-31/3/2015, Cost: 1,800,000.00 (220,966.00 Euro the AUTH participation)

**288532-FP7-ICT-2011-7,** USEFIL-Unobtrusive Smart Environments For Independent Living, Core Partner, Quality Manager, 01/11/2011 31/10/2014, Cost: 3,337,000.00 Euros (412.780,00 Euro the AUTH participation).

**2012ΣE24580284-**Greek Ministry of Education and Religious Affairs, Culture and Sports. Sthenos: Interdisciplinary Research in Affective Computing for Biological Activity Recognition in Assistive Environments, Core Partner, 1/4/2012-31/3/2015, Cost: 512,821.00 (165,000.00 Euro the AUTH participation)

**EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)- P-006-2012,** Childrenhealth: Using new technologies to promote children health in the cross border rregion, Greece-FYROM INTERREG project, Project co-ordinator, 13/2/2012-30/6/2013, Cost 558,731.71 (192,500.00 Euro the AUTH participation)

**CIP-ICT-PSP.2008.1.4-238904,** Long Lasting Memories (LLM)- A unified solution for cognitive and physical health and autonomous living for senior citizens. Project Co-ordinator, 1/5/2009-31/3/2012, Cost: 2,360,000.00 (530,817.00 Euro the AUTH participation)

**ECP-2008-EDU-418006,** mEducator - Multi-type Content Repurposing and Sharing in Medical Education, Best Practice Network, Project Co-ordinator, 1/5/2009-30/4/2012, Cost: 4,500,000.00 (586,455.00 Euro the AUTH participation)

**Greek Secretariat for Research and Technology- 05NON-EU-221,** Affection, Enabling multichannel physiological sensing for direct adaptation of computer user interfaces in affective interaction paradigms, Collaboration between Greece and Japan, Project Co-ordinator, 14/3/2006-14/3/2008, Cost, 60,000.00 (50,000.00 Euro the AUTH participation)

**55402/08-08-2006-COMMISSION OF THE EUROPEAN COMMUNITIES-DIRECTORATE GENERAL FOR RESEARCH AND INNOVATION.** INTRAMEDNET- A Mediterranean research and higher education intranet in medical and biological sciences. Research on teaching cooperation in Medical Education via web, cooperation and exchanging via web seminars and cooperation in research issues via a web collaborative environment. Role in the research team: PI, 01/06/2006- 31/10/2008, (200,215.00 Euro the AUTH participation)

**82289/10-11-2008-** COMMISSION OF THE EUROPEAN COMMUNITIES-

DIRECTORATE GENERAL FOR RESEARCH AND INNOVATION. WIDEMEDNET. A Mediterranean Network for Higher and Continuing Medical Education Resources, Role in the research team: PI, 01/10/2008- 31/12/2008, (118,681.00 Euro the AUTH participation)

**Memberships:** IEEE Cybernetics, Medicine and Biology and Education Societies, International Medical Informatics Association (IMIA), EAMBES, IFMBE (member of Conferences Committee).

**Awards:** 2009: awarded the Prize of the AUTH Research Committee for the Best Track Record in funded research projects among AUTH young academic staff. EC-HCM postdoctoral fellowship to conduct research on Functional Imaging of the Human Brain. (1996-1997). Bodosakis Foundation Scholarship to pursue postgraduate studies in Medical Physics in the U.K. (1991-1993). Phillips Mayenord Prize for the best overall performance in the MSc Medical Physics class. 1992. Open University Scholarship to study for a PhD on Biomagnetism. (1992-1996). Weizmann Institute of Science Scholarship to get training and conduct research on NMR imaging and Spectroscopy (1990). IAESTE exchange grant to visit Israel for technical experience as a 3rd year undergraduate. (1989). 2nd year University scholarship awarded by the Greek National Scholarship Foundation. (1988)

**Publications - Citations** (ISI Web of Sciences/Scopus) : Over 58 international refereed journal papers, over 150 international peer reviewed conference papers, over 8 book chapters, 9 edited books (IGI Global, Springer-Verlag, others), over 300 cross-citations (Scopus), h-index=11.

**Selection of Recent Publications (2010-)**

Frantzidis, C.A., Bratsas, C., Klados, M.A., Konstantinidis, E., Lithari, C.D., Vivas, A.B., Papadelis, C.L., Kaldoudi, E., Pappas, C., Bamidis, P.D. On the classification of emotional biosignals evoked while viewing affective pictures: An integrated data-mining-based approach for healthcare applications (2010) IEEE Transactions on Information Technology in Biomedicine, 14 (2), art. no. 5373931, pp. 309-318.

Lithari, C., Frantzidis, C.A., Papadelis, C., Vivas, A.B., Klados, M.A., Kourtidou-Papadeli, C., Pappas, C., Ioannides, A.A., Bamidis, P.D. Are females more responsive to emotional stimuli? A neurophysiological study across arousal and valence dimensions (2010) Brain Topography, 23 (1), pp. 27-40.

Frantzidis, C.A., Bratsas, C., Papadelis, C.L., Konstantinidis, E., Pappas, C., Bamidis, P.D. Toward emotion aware computing: An integrated approach using multichannel neurophysiological recordings and affective visual stimuli (2010) IEEE Transactions on Information Technology in Biomedicine, 14 (3), art. no. 5415563, pp. 589-597.

Luneski, A., Konstantinidis, E., Bamidis, P.D. Affective medicine: A review of affective computing efforts in medical informatics (2010) Methods of Information in Medicine, 49 (3), pp. 207-218.

Bamidis PD, Lithari C, Konstantinidis ST. Revisiting Information Technology tools serving authorship and editorship: a case-guided tutorial to statistical analysis and plagiarism detection. Hippokratia. 2010 Dec;14(Suppl 1):38-48.

Pattichis, C.S., Schizas, C.N., Kyriakou, E.C., Fotiadis, D.I., Pattichis, M.S., Bamidis, P.D. Guest editorial introduction to the special issue on citizen centered e-health systems in a global healthcare environment: Selected papers from ITAB 2009 (2011) IEEE Transactions on Information Technology in Biomedicine, 15 (1), art. no. 5669346, pp. 3-10.

Kaldoudi, E., Dovrolis, N., Konstantinidis, S.T., Bamidis, P.D. Depicting educational content repurposing context and inheritance (2011) IEEE Transactions on Information Technology in Biomedicine, 15 (1), art. no. 5648462, pp. 164-170.

Bratsas, C., Bamidis, P., Kehagias, D.D., Kaimakamis, E., Maglaveras, N.

Dynamic composition of semantic pathways for medical computational problem solving by means of semantic rules (2011) *IEEE Transactions on Information Technology in Biomedicine*, 15 (2), art. no. 5713838, pp. 334-343.

Klados, M.A., Papadelis, C., Braun, C., Bamidis, P.D. REG-ICA: A hybrid methodology combining Blind Source Separation and regression techniques for the rejection of ocular artifacts (2011) *Biomedical Signal Processing and Control*, 6 (3), pp. 291-300.

Pattichis, C.S., Bamidis, P.D., Christodoulou, C., Kyriakou, E., Mitsis, G.D., Pattichis, M.S., Pitris, C. Guest Editorial introduction to the special issue on Biomedical Signal Processing and Analysis selected papers from ITAB 2009 (2011) *Biomedical Signal Processing and Control*, 6 (3), pp. 217-218.

Lithari, C., Klados, M.A., Papadelis, C., Pappas, C., Albani, M., Bamidis, P.D. How does the metric choice affect brain functional connectivity networks? (2012) *Biomedical Signal Processing and Control*, 7 (3), pp. 228-236.

Bamidis, P.D., Papadelis, C.L., Hadjileontiadis, L. Introduction to the special issue on "biosignal processing for engineering and computing: The MEDICON conference case" selected papers from MEDICON 2010 (2012) *Biomedical Signal Processing and Control*, 7 (3), pp. 213-214.

Bamidis, P.D., Bliznakova, K., Pallikarakis, N., Pattichis, C.S. Introduction to the special issue on "Advances in Biomedical Engineering and Computing: The MEDICON Conference Case" selected papers from MEDICON 2010 (2012) *Computer Methods and Programs in Biomedicine*, 107 (1), pp. 1-3.

Konstantinidis, E.I., Frantzidis, C.A., Pappas, C., Bamidis, P.D. Real time emotion aware applications: A case study employing emotion evocative pictures and neuro-physiological sensing enhanced by Graphic Processor Units (2012) *Computer Methods and Programs in Biomedicine*, 107 (1), pp. 16-27.

Karamanlis, D.A., Tzitzis, P.M., Bratsas, C.A., Bamidis, P.D. Personal health records in the preclinical medical curriculum: Modeling student responses in a simple educational environment utilizing Google Health (2012) *BMC Medical Education*, 12 (1), art. no. 88

Lithari, C., Klados, M.A., Pappas, C., Albani, M., Kapoukranidou, D., Kovatsi, L., Bamidis, P.D., Papadelis, C.L. Alcohol Affects the Brain's Resting-State Network in Social Drinkers (2012) *PLoS ONE*, 7 (10), art. no. e48641

Styliadis, C., Papadelis, C., Konstantinidis, E., Ioannides, A.A., Bamidis, P. An MEG compatible system for measuring skin conductance responses (2013) *Journal of Neuroscience Methods*, 212 (1), pp. 114-123.

Konstantinidis, S., Fernandez-Luque, L., Bamidis, P.D., Karlsen, R. The role of taxonomies in social media and the semantic web for health education: A study of SNOMED CT terms in youtube health video tags (2013) *Methods of Information in Medicine*, 52 (2), pp. 168-179.