

PERSONAL INFORMATION	
SURNAME	BAMIDIS
NAME	PANAGIOTIS
DATE OF BIRTH	19 JULY 1968
PLACE OF RESIDENCE	THESSALONIKI
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CURRENT POSITIONS

12.2019 – today	Professor of Medical Physics, Medical Informatics & Medical Education Medical Physics Laboratory, School of Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece
03.2017 – today	Visiting Professor, Medical Education Technology, Innovation & Change Leeds Institute of Medical Education (LIME), School of Medicine, University of Leeds, Leeds, United Kingdom
2017 – today	President, Society of Applied Neurosciences (SAN)
05.2015 – today	President, Hellenic Society of Biomedical Technology (ELEBIT)
09.2001 – today	Associated Scientific Staff (SEP) MSc Management of Health Units, Hellenic Open University, Patras, Greece

PREVIOUS POSITIONS

10.2015 - 12.2019	Associate Professor, Informatics in Medical Education Medical Physics Laboratory, School of Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece
2014 - 2016	Visiting Professor Department of Learning, Informatics, Management and Ethics, Karolinska Institute, Stockholm, Sweden
09.2013 - 09.2015	Assistant Professor, Informatics in Medical Education Medical Physics Laboratory, School of Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece
03.2008 - 08.2013	Assistant Professor, Informatics in Medical Education Lab of Medical Informatics, School of Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece
2011 - 2013	Visiting Assistant Professor Department of Informatics, University of Cyprus, Nicosia, Cyprus
06.2004 - 02.2008	Lecturer, Medical Informatics Lab of Medical Informatics, School of Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece
02.2004 – 06.2004	Lecturer (P.D. 407/80), Informatics & Organization of Studies School of Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece

2003 – 2004	Senior Research Officer South East European Research Centre – SEERC, Thessaloniki, Greece
09.1998 – 08.2003	Lecturer & Senior Lecturer CITY College, Thessaloniki, Greece / under auspices of University of Sheffield, UK
05.1996 – 03.1997	Post-doctoral researcher Department of Physiological Sciences, School of Medicine, University of Newcastle, United Kingdom

EDUCATION

11.1992 - 04.1996	The Open University, Walton Hall, Milton Keynes, United Kingdom, “Spatio-temporal evolution of Interictal Epileptic Activity: a study with unaveraged multichannel MEG data in association with MRIs”, <i>PhD thesis</i>
10.1991 - 10.1992	Physics Department, University of Surrey, United Kingdom, “Converters for neutron detectors using soft errors in Dynamic Random Access Memories”, <i>MSc in Medical Physics</i> , (graduated 1 st with distinction)
09.1986 - 10.1990	School of Physics, Aristotle University of Thessaloniki, Greece, “Quality control of γ-camera”, <i>BSc in Physics</i> (graduated 8 th /300)

SMALL SELECTION OF PUBLICATIONS

- Small Things and Big Data: Controversies and Challenges in Digital Healthcare, **Bamidis PD**, Konstantinidis ST, Rodrigues PP, Antani S, Giordano D, *IEEE J Biomed Health Inform*, 2020 (in press)
- Automatic Sleep Staging Employing Convolutional Neural Networks and Cortical Connectivity Images, Chriskos P, Frantzidis CA, Gkivogkli PT, **Bamidis PD**, Kourtidou-Papadeli C [Shared senior authorship], *IEEE Trans Neural Netw Learn Syst*, 31, 113-123, 2019, <http://doi.org/10.1109/TNNLS.2019.2899781>
- Musical training is related to altered functional connectivity during multisensory integration, Paraskevopoulos E, Kuchenbuch A, Herholz S, **Bamidis PD**, Pantev, C, *Proceedings of the National Academy of Sciences*, 112, 12522–12527, 2015, <http://doi.org/10.1073/pnas.1510662112>
- Applied Neuroscience: models, methods, theories, reviews, Gruzelier J, **Bamidis P**, Babiloni F, de Ridder D, *Neuroscience and Biobehavioral Reviews*, 44, 1-3, 2014, <http://doi.org/10.1016/j.neubiorev.2014.05.003>
- A review of physical and cognitive interventions in aging, **Bamidis PD**, Vivas AB, Styliadis C, Frantzidis C, Klados M, Schlee W, Siountas A, Papageorgiou SG, *Neuroscience and Biobehavioral Reviews*, 44, 206-220, 2014, <http://doi.org/10.1016/j.neubiorev.2014.03.019>
- **Towards rehabilitation robotics: off-the-shelf BCI control of anthropomorphic robotic arms**, Athanasiou A, Arfaras G, Pandria N, Kartsidis P, Kavazidi KR, Foroglou N, Astaras A, **Bamidis PD**, *Biomed Research International*, 5708937, 2017, <http://dx.doi.org/10.1155/2017/5708937>
- **Wireless brain-robot interface: user perception and performance assessment of spinal cord injury patients**, Athanasiou A, Arfaras G, Pandria N, Xygonakis I, Foroglou N, Astaras A, **Bamidis PD**, *Wireless Communication and Mobile Computing*, 2986423, 2017, <https://doi.org/10.1155/2017/2986423>
- **Investigating the role of alpha and beta rhythms in functional motor networks**, Athanasiou A, Klados MA, Styliadis CH, Foroglou N, Polyzoidis K, **Bamidis PD**, *Neuroscience*, 378: 54-70, 2018 <http://dx.doi.org/10.1016/j.neuroscience.2016.05.044>
- **Functional brain connectivity during multiple motor imagery tasks in spinal cord injury**, Athanasiou A, Terzopoulos N, Pandria N, Xygonakis I, Foroglou N, Polyzoidis K, **Bamidis PD**, *Neural Plasticity*, 9354207, 2018, <https://doi.org/10.1155/2018/9354207>
- **Biosensor Real-time Affective Analytics in Virtual and Mixed Reality Enhanced Medical Education**, Antoniou P, Arfaras G, Pandria N, Athanasiou A, Ntakakis G, Babatsikos E, Nigdelis V, **Bamidis PD**, *JMIR Serious Games* (in press), <https://dx.doi.org/10.2196/17823>

CONFERENCES/WORKSHOPS/etc.

- I have been the Chairman/Organizer of some 19 international conferences and several national Biomedical Technology conferences including: iSHIMR2001 (6th International Symposium on Health Information Management Research) / 10th International Symposium on Health Information Management Research (iSHIMR2005). / Conference co-chair MEDICON 2010, Chalkidiki, Greece / MEI2018, Medical Informatics Education, Conference Producer, Conference Co-Chair, Leeds, UK / 30th IEEE International Symposium on Computer-Based Medical Systems CBMS 2017, Thessaloniki, Greece

MEMBERSHIPS & REVIEWING ACTIVITIES

2019 - today Editor in Chief, Health Informatics Journal

2015- today Associate Editor, Healthcare Technology Letters (2019- today), Digital Health Journal (2019-today), Journal of Medical Internet Research, JMIR Rehabilitation and Assistive Technologies

2004 - today (various) Referee/reviewer in >40 journals, including: IEEE Transactions of Information Technology in Biomedicine, Brain Topography, NeuroImage, Neuroscience & Biobehavioral Reviews

TEACHING ACTIVITIES

2004 - today Participating in teaching of post-graduate programs : MSc in Medical Informatics (Mathematical and Programming Techniques of Analysis and Design of Information System (2004-2014), Technology of Medical Devices and Data (2004-today), Biomedical Signal Processing (2016-2018) // MSc in Research Methodology (Neurophysiology, Neurodegenerative Diseases, Digital Educational Technology and others) of School of Medicine, Aristotle University of Thessaloniki

2011 - today Coordinating and teaching in “Practical implementation of new technologies in Health Services IA0416” (elective), School of Medicine, Aristotle University of Thessaloniki (AUTH) (2016-today) and “Entrepreneurship and Innovation IA0361” (elective), Interdepartmental, AUTH (2011-today)

2013 - today Participating in teaching of “Medical Physics” (mandatory in curricula of School of Medicine & School of Dentistry) and “Biomedical Technology IA0263” (elective), “Medical Education IA0354” (since 2008, elective) in Aristotle University of Thessaloniki, Greece

2004-2013 Participating in Medical Informatics I, Medical Informatics II, Dental Informatics I, Dental Informatics II , School of Medicine / School of Dentistry, AUTH, Greece

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2008 - Currently supervising 8 **post-doctoral fellows**, employed at the Medical Physics Laboratory, School of Medicine ,Aristotle University of Thessaloniki (AUTH), Greece

2020 Supervised 36 **PhD** students (7 as 1st supervisor // 3 underway) in their doctoral research degrees from School of Medicine, Aristotle University of Thessaloniki (AUTH), Greece // 6 **PhD** students (as member of advisory committee) in their doctoral research degrees from other Schools (eg Polytechnic, Informatics) of AUTH, Greece // 7 **PhD** students (member of supervising committee) in the doctoral research degrees from other universities (University of Macedonia, University of Western Macedonia, Democritus University of Thrace, University of Patras) in Greece // Co-supervised 1 **PhD** student in his doctoral degree from University of Sheffield, UK

Supervised in total 135 **Master’s** students as 1st supervisor and 93 as member of advisory committee in School of Medicine, AUTH (46 & 30) // Hellenic Open University (77 & 60) // National Technical University of Athens (2) // University of Patras (2 & 3) // University of Sheffield (8)

FELLOWSHIPS and AWARDS

2019	1 st Award of Excellence (11 total awards for distinguished performance in multiple categories), Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece
2019	1 st place (Gold Award) of Living Project Awards 2019 for "CAPTAIN project", from European Network of Living Labs
2019	Golden poster for "Analyzing corruption in a procurement network using graph theory", OECD Global Anti-Corruption & Integrity Forum, Paris, France
2018	1 st Award of Excellence (10 total awards for distinguished performance in multiple categories), Aristotle University of Thessaloniki, Greece
2018	2 nd place (Silver Award) of Living Project Awards 2018 for "Thess-AHALL project", from European Network of Living Labs
2018	Best clinical research "Zacharias Kapsalakis" 2018 Award for "Neural circuits of the brain and brain-computer interfaces in spinal cord injury – the CSI:Brainwave project", Hellenic Neurosurgical Society
2018	1 st place, for project ApolloX, International Space Apps Challenge, NASA
2017	1 st Award of Excellence (funding of projects) & 2 more awards, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece
2017	3 rd place (Bronze Award) of Living Project Awards 2017 for "wFitForAll project", from European Network of Living Labs
2017	Best student poster award for "Visual versus kinesthetic motor imagery for BCI control of robotic arms (Mercury 2.0)", 30 th IEEE CBMS 2017 & also Best Greek Paper Award
2017	Best presentation "Vicky Zachariou" 2016 Award for "Thought controlled robotics for motor disabled patients and the case of CSI:Brainwave", Hellenic Spine Society
2017	1 st place for "UNCAP" project in international competition of "3 rd Annual Conference and Exhibition: Technology Supporting an Ageing Population with Dignity and Respect"
2016	Award of Excellence for Teaching, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece
2015	Honorary Professor & Pospelov" medal for contribution to developing Medical Education, Karaganda State Medical University, Kazakhstan
2012	1 st Best Business Plan Award for "LLM: cognitive and physical training for elderly people" & 3 rd Best Business Plan Award for "mEducator: semantic and collaborative platforms for sharing for educational content", Aristotle University of Thessaloniki/URANIO
2010	Innovation Award for "mEducator: Multi-type Content Repurposing and Sharing in Medical Education" during International Conference on Virtual Patients and the Medbiquitous Annual Conference ICVP 2010, London, UK
2009	Award of Excellence (as faculty member/new researcher in funded projects), Aristotle University of Thessaloniki, Greece
2009	Best paper award, PRO-VE'09 (10 th IFIP Working Conference on Virtual Enterprises: Leveraging Knowledge for Innovation in Collaborative Networks)
1993-1996	Scholarship (3 years Research Assistantship) for doctorate studies from Physics Dept, Open University, UK
1993-1996	Phillips Mayenord Prize, best performance in Medical Physics post-graduate studies in University of Surrey, UK

- 1991-1993** Scholarship (2 years) for post-graduate studies in UK from Institute Bodossaki, Greece
- 07-08.1990** Scholarship for International summer school, Weizman Research Institute, Rehovot, Israel
- 07-08.1989** International student exchange program, IAESTE, Hanita Coatings, Hanita, Israel

SMALL SELECTION OF RESEARCH GRANTS

Project Title	Funding source	Period	Role of the PI
LifeChamps – A collective intelligence platform to support cancer champions	Horizon 2020	2019-2022	Co-ordinator- international consortium
ENTICE – Evaluating Novel Tangible and Intangible Co-creative Experiential medical education	ERASMUS+, KEY ACTION2: Knowledge Alliance	2019-2022	Primary investigator – AUTH
SHAPES – Smart and Healthy Ageing through People Engaging in Supportive Systems	Horizon 2020	2019-2022	Primary investigator – AUTH
CEPEH – Chatbots Enhance personalised European Healthcare Curricula	ERASMUS+, KA2: Strategic Partnerships	2019-2022	Primary investigator – AUTH
HOPE – Automatic detection and localization of high frequency oscillation in pediatric epilepsy	Horizon 2020 – MARIE SKŁODOWSKA-CURIE ACTIONS RISE	2019-2022	Primary investigator – AUTH
SISCOE – Society in innovation and science through codesign	Horizon 2020	2018-2021	Primary investigator – AUTH
CAPTAIN – Coach assistant via projected and tangible interface	Horizon 2020	2017-2020	Co-ordinator- international consortium
CoViRR – Creation of virtual reality reusable e-resources for European healthcare education	ERASMUS+, KA2: Strategic Partnerships	2018-2020	Primary investigator – AUTH
Study of brain networks after spinal cord injury: network and capacity building	EUROSPINE TFR Development Grant	2019-2020	Primary investigator
BioTechCoach-ForAll -Development of systems physical and cognitive training, clinical registry and monitoring, big data visual analytics and clinical coaching of vulnerable populations	ESPA 2014-2020	2018-2020	Primary investigator
CSI:Brainwave - Brainwave control of a wearable robotic arm for rehabilitation in Cervical Spine Injury	Cervical Spine Research Society - European Section	2014-2015	Primary investigator