Curriculum Vitae

Dr. Evdokimos Konstantinidis

Electronics Engineer
MSc, PhD Medical Informatics

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Personal Details

Last name:	**Konstantinidis**
First name:	**Evdokimos**
Father's name:	Ioannis
Date, place of birth:	12 July 1981, Grevena, Greece
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Education

PhD:	Doctor of Philosophy (Ph.D.) in Medical Informatics, Medical School, Aristotle University of Thessaloniki (16/03/2015)
Master	Master's Degree in Medical Informatics, Medical School, Aristotle University of Thessaloniki, Excellent grade (2008)
Bachelor:	Bachelor's Degree in Electronics Engineering, Technological Educational Institute of Thessaloniki, Excellent grade (9.3/10) (2004)
High school:	4th High School, Kozani Greece (grade: 16.7/20) (1999)

Languages

Greek:	Mother Language
English:	Cambridge, First Certificate in English, 1998 TOEFL 237/300, July 2005 Self-assessment: Good speaking and writing
French:	High School Education

Certifications

Scrum	Professional Scrum Product Owner I (PSPO I), 90%, June 2018 Professional Scrum Master (PSM I), 95%, June 2018
Company	Certificate for a Launchtrack Program (Strategy4startup Launchtrack Program™ from October 2017 to July 2018)
Innovation Management	Certificate for Industrial Innovation Management by IMP3rove academy 2018

Experience - Positions

2021-today	Chairperson Elect of the European Network of Living Labs (ENoLL), Brussels, Belgium
2022-today	Project coordinator of the RAISE Horizon Europe project (budget: 5M, 19 partners)
2021-today	Project coordinator of CAPTAIN-X (budget: 100K, CAPTAIN COACH P.C.), Acceleration programme of COVID-X (received funding from the European Union's Horizon 2020 research and innovation programme – No. 101016065)
2021-today	Project coordinator of the VITALISE H2020 project (budget: 5M, 19 partners)
2021-today	Member of the European Network of Living Labs (ENoLL) Strategic task force
2020-today	CEO and co-founder of the "CAPTAIN COACH P.C." spin off (Aristotle University of Thessaloniki, one of the 11 spin-offs)

2019-today	Coordinator of the Health and Wellbeing Action Oriented Task Force of the European Network of Living Labs
2020-today	Head of RnD at WITA company (member of WALDNER TECNOLOGIE MEDICALI SRL Group)
2017-2021	Technical coordinator of the CAPTAIN H2020 project (budget: 4M)
2017-2019	Product Manager at Nively company (startup), (sold on 2019 to WALDNER TECNOLOGIE MEDICALI SRL Group)
2017-2018	Innovation Associate at APOLLO H2020 project
2016 - 2018	Member of the European Network of Living Labs (ENoLL) Healthcare Special Interest Group board
2018-today	Elected Council member of the European Network of Living Labs (ENoLL)
2018 - 2020	Member of the European Network of Living Labs (ENoLL) Business models task force
May 2017 - today	"Open e-health expert" at the Open Knowledge Greece (http://okfn.gr/), official chapter of Open Knowledge Foundation in Greece.
2013 – 2017	CTO and co-founder of Northern Greece Neurofeedback Center SME.
2015 – 2018	Deputy Technical Manager of SmokeFreeBrain H2020 project (budget: 3M)
2015 – today	Postdoctoral Research Associate at the Lab of Medical Physics in Aristotle University of Thessaloniki.
2015 – today	Leader of the Assistive Technologies And Silver Science (ASOSS) research group of Lab of Medical Physics in Aristotle University of Thessaloniki. The group has participated in more than 5 large European funded projects and got the coordination of an H2020 PM-15 in 2017 (4M) with excellent score (15/15, among 187 applications)
2016 – today	Core team member of the Thess-AHALL living lab which was approved as member of ENOLL in the 10th Wave
2016 – today	Core team member of the LLM Care Ecosystem which was accepted as an EIPonAHA candidate reference site
2009 – 2017	CTO and co-founder of the DocImagination startup
2013 – today	Research Associate at the Lab of Medical Physics, AUTH, Greece
2006 - 2013	Research Assistant at the Lab of Medical Informatics, AUTH, Greece

Honors & Awards

Scholarships:	Outstanding Student Scholarship. Scholarship of the State Scholarship Foundation, awarded for exceptional performance during the 1st academic years in Bachelor Electronics Engineering. (2000-2001)
	Outstanding Student Scholarship. Scholarship of the State Scholarship Foundation, awarded for exceptional performance during the 2nd academic years in Bachelor Electronics Engineering. (2001-2002)
	Outstanding Student Scholarship. Scholarship of the State Scholarship Foundation, awarded for exceptional performance during the 3rd academic years in Bachelor Electronics Engineering. (2002-2003)
2018-2019	BioTechCOACH-ForALL: Development of Cognitive and Physical Exercise Systems, Clinical Recording, Large-scale Data analytics and Virtual Coaching of Heart Failure Patients: a Study Design. Scholarships project funded by the Operational Program "Human Resources Development, Education and Lifelong Learning" and is co-financed by the European Union (European Social Fund) and Greek national funds (€70K)
Student rating:	1st student rating among all the students that have ever graduated the

	Electronics Engineering (Technological Educational Institute of Thessaloniki) (from 1936 to 2004) grade: 9,3/10 (Excellent)
Best Paper Award:	1st Presented Paper Award for the Konstantinidis E.I., Frantzidis C.A., Papadelis C., Pappas C. , Bamidis P.D., WADEDA: A Wearable Affective Device with On-Chip Signal Processing Capabilities for measuring ElectroDermal Activity, XII Mediterranean Conference on Medical and Biological Engineering and Computing, MEDICON 2010, Porto Carras, Chalkidiki, Greece, May 27-30, 2010
	1st Poster Award Stavroula Fasnaki, Evdokimos Konstantinidis, Panagiotis Bamidis, The affection of socialization at elderly intervention., 5th Panhellenic & 4th Paneuropean Scientific & Professional Nursing Conference, Corfu, Greece, 10-13 May, 2012
Workshop Organization	Outstanding Performance Award for organizing the Mobile Health Care and Training (MHCT) Special Session at the IMCL 2015, Thessaloniki, Greece (Nov, 2015)
Innovation Awards	Honorable mention to qualify on 21 prevalent projects at the Applied Research and Innovation 2011 "Greece Innovates" (2011)
	Thess-AHALL living lab won the 1st UNCAP Innovation award at the CBMS2017 International Symposium.
Best Project Awards	6th place (among 140) at the 2nd Panhellenic competition on innovation and young entrepreneurship "Idea Tree 2015" for our proposal "Senior Wellness Tourism (SWEET)" which enables hotels to enhance their ageing wellness services and facilities by adopting virtual serious games for mind and body fitness. (April 2016)
	3rd place at the *Best Living Lab project Award 2016* (among 22). The voting was open to the public for 1 month. (822 votes total). webFitForAll introduces a collaborative serious gaming platform as a service through a comprehensive software toolkit enabling third parties to build and commercialize serious games (SG) in an agile, stable and standardized way based on common serious games functionalities. (May 2017)
	2nd place at the *Living Lab project Award 2017* (among 24), with a public voting, for the co-creation aspects of the CAPTAIN H2020 project. (May 2018)
	1st place at the *Living Lab project Award 2018* (among 14), with a public voting, for the co-creation aspects of the CAPTAIN H2020 project. (May 2019)
	1st place at the *Living Lab project Award 2019* (among 18), with a public voting, for the project "Partners of Experience". (June 2020)
	1st place at the *Living Lab project Award 2020* (among 18), with a public voting, for the project on "Teaching university students co-creation and living lab methodologies" (July 2021)
Distinction awards	Distinction award for the "Sweet" distinction on the innovation and young entrepreneurship competition (6th among 140 enterprising proposals) from the Aristotle University of Thessaloniki (30 January 2017)
	Award of Excellence for the 2nd place at the *Living Lab project Award 2017* (among 24) from the Aristotle University of Thessaloniki (30 January 2019)
	EIT Digital Venture Program Prize €10K (CAPTAIN COACH P.C.), 2020
Scientists ranking	AD Scientific Index - 2022 Greece Top 5.000 Scientists (https://www.adscientificindex.com/?country_code=gr) 2770 (Greece) / 106991 (Region) / 296743 (World) H index: 21 (total), 17 (last 5 years) i10 index: 42 (total), 25 (last 5 years) Citation: 1908 (total), 1127 (last 5 years)

Thesis projects

Bachelor final project	Design and development of digital home power consumption meters and networking of them through landline. Software to automatically acquiring the kWhs and issuing the bills.
Master thesis	Tele-monitoring system of the human body movements through a custom made Body Area Network containing accelerometers.
PhD thesis	Internet integration of physical exercise and support systems for the elderly

Working Experience

Organizations	
	Chairperson Elect, European Network of Living Labs (ENoLL), (2021-…)
	Coordinator of the Health and Wellbeing Action Oriented Task Force of the European Network of Living Labs (2018-…)
SME positions	RnD leader at Ringel SME. Design, development and programming hardware and software automations. (2003-2006)
	CTO at NGNC Northern Greece Neurofeedback Center
	Product Manager at Nively sas, Nice, France
	Project Manager at WITA srl, Nice, France
	CEO and co-founder of the "CAPTAIN COACH P.C." spin off (Aristotle University of Thessaloniki, one of the 11 spin-offs)
Internship	8 months at the Telecommunications, Networks and Internet of the Electronics Engineering department of the Technological Education Institute (2002).
Freelancer (Software/Hardware)	Design and development of a blood pressure system supporting communication protocol (2004) (for SME)
	Smartcard based employee monitoring software (2004) (for SME)
	GSM/GPRS telemonitoring system (sms programming interface) 2014 (for SME)
	Elevator controller system accompanied by elevator installation simulation for testing and debugging (2015) (for SME)
	Elevator peripheral for station announcing. Hardware USB device to play sounds on input trigger. (for SME)
	Development contribution and commercial exploitation of a dental practice management software (OpenDental)
	Design, development and commercial exploitation of the DocImagination medical practice management software for calls, ultrasound images (DICOM), patients management. Two big companies are re-sellers.
	Innovative e-ticketing system for PAOK BC where the seat selection as well as the view of the seat were presented through 360 virtual reality.
	Refrigerators management network for super markets monitoring based on IoT (publish/subscribe) architecture.
	Design, development and commercial exploitation of a software for car road insurance management (for SME).
Research	Research Assistant at the Lab of Medical Informatics, AUTH, Greece (2006-2013)
	Research Associate at the Lab of Medical Physics, AUTH, Greece (2013-today)
	Postdoctoral Research Associate at the Lab of Medical Physics in Aristotle

	University of Thessaloniki (2015-today)
	Leader of the Assistive Technologies And Silver Science (ASOSS) research group of Lab of Medical Physics in Aristotle University of Thessaloniki. (2015-today)
Coaching	Selected Coach (contract) for one of the USTART semi-finalist team of the European Social Innovation Competition 2018 (at least 20 hours of coaching)

Teaching Experience

	Laboratory lectures for the class "Medical Informatics I", Medical School, 3 semesters (>90 hours), 2005-2011
	Laboratory lectures for the optional class "Medical Informatics II", Medical School, 3 semesters (>40 hours), 2005-2011
	Laboratory Teacher at the class Microcontrollers, Electrical Engineering Department, Technological Education Institute of Western Macedonia, Greece, (2008-2010)
	Laboratory Teacher at the class Electric Measurements, Electrical Engineering Department, Technological Education Institute of Western Macedonia, Greece, (2008-2010)
	Laboratory Teacher at the class Introduction to PC, Applied Informatics in in Management and Economics Department, Technological Education Institute of Western Macedonia, Greece, (2009-2010)
	Guest Lecturing (10 hours) at the Master's Program in Informatics for Life Sciences, University of Patras. (2008) Guest Lecturing (20 hours) at the Master's Program in Δentistry, School of Dentistry, Aristotle University of Thessaloniki. (2008-2010) Guest Lecturing (10 hours) at the Master's Program in Medical Informatics, Aristotle University of Thessaloniki. (2008-2010)
Supervising Master Thesis	
	Multichannel patient and older adults data analysis using machine learning techniques and statistics, Petsani Despoina, 26/06/2020, Master's Degree in Medical Informatics, Medical School, Aristotle University of Thessaloniki
Supervising students	
	Development of a Collaborative Vehicle Collision Avoidance System. Hardware design and implementation. Undergraduate student (bachelor) at the Technological Education Institute of Western Macedonia, Greece, 2009 (Bachelor thesis)
	Software for PLC monitoring and recording system. Undergraduate student (bachelor) at the Technological Education Institute of Western Macedonia, Greece, 2009 (Bachelor thesis)
	Development of neural networks for unique identification of people based on their skeleton data (kinect oriented) in a living lab. Undergraduate students (bachelor) at School of Mathematics, Aristotle University of Thessaloniki, 2016
	In-home gait analysis. Master student at Kingston University, UK (published in journal)
	3D mouse navigation in a 3D vistual PC desktop (Bachelor thesis)
	In-game metrics understanding and analysis towards adaptive physical and cognitive training, (Internship student)
Supervising Erasmus students	Official tutor for 2 Erasmus students visiting us at the Lab of Medical Physics (2017)

Training Experience

	Business Models & Value created by Living Labs, Learning Lab Days in 2018 (contract), Geneva, Switzerland
	Phase 1: Ideation and Design, Learning Lab Days in 2019 (contract), Thessaloniki, Greece
Nov 2019	Trainer for Writing H2020 Proposals (contract), 4 days training program, Kazakhstan
Feb 2020	Invited Trainer for Writing H2020 Proposals (contract) under the program Turkey in Horizon 2020 – Phase II (EuropeAid/139098/IH/SER/TR), 2 days training program, Turkey

Featured Skills

Proposal coordinator / grants writer	Experience as proposal coordinator and grants writer. Long experience in EC grants (FP7, H2020).
	Significant contribution in the writing of the i-Prognosis H2020 (No 690494) (funded)
	Contribution in the writing of the UNCAP H2020 (No ….) (funded)
	Significant contribution in the writing of the SmokeFreeBrain H2020 (No ….) (funded)
	Coordination of the writing of CAPTAIN H2020-SC1-2016-2017, SC1-PM-15-2017 which scored first out of 187 with the excellent score of 15/15 (Budget 4M, 14 partners) (funded)
	Coordination of the writing of BioTechCOACH-ForALL, (EDVM34 Greek national funding for early stage researchers), which scored 64th out of 2814 submitted proposal with score 96/100 (Budget 70K) (funded)
	Coordination of the writing of VITALISE H2020-INFRAIA-2018-2020, INFRAIA-02-2020 with the score of 13/15 (Budget 5M, 19 partners) (funded)
	Coordination of the writing of RAISE HORIZON-INFRA-2021-EOSC-01-04 with the score of 12.5/15 (Budget 5M, 19 partners) (funded)
Project Management	Project management of the RAISE Horizon Europe
	Project management of the VITALISE H2020
	Project management of the CAPTAIN H2020-SC1-2016-2017, SC1-PM-15-2017
	Principal investigator of NIVELY/WITA partner and Project management of INADVANCE for NIVELY/WITA
Software Programming skills:	C,C# .Net, Java, Javascript, HTML, DirectX (dll,ocx), PHP, SQL, NoSQL (mongoDB), Windows Services, Web Services, Rest services, CUDA (GPU programming), ASP MVC .NET, AngularJS, IONIC framework, web sockets, Internet of Things, XMPP, Python
Hardware Programming skills:	Assembly, C, MplabX, AVRStudio, PSoC Designer, Digital Signal Processors Programming, Ethernet stacks and IoT for microcontrollers,

Research Projects and Funds

Project	Standard Electronic Library
Fund:	Internal funding
Coordinator	Research Committee of Alexandrio Technological Institute of Thessaloniki
Duration	Jan 2003 – Dec 2003

Personal role	Design and development of the hardware network of books' location identification in a library (based on iButtons and microcontrollers)
Project	Research and development of an innovative system for auto testing electronic circuits as part of the production line testing (AEXIS).
Fund:	General Secretariat of Research and Technology (GSRT), International Cooperation in Industrial Research program.
Coordinator	OLYMPIA ELECTRONICS manufacturing company
Duration:	01/10/2006 – 30/11/2007
Personal role:	(AUTH partner, School of Electrical and Computer Engineering) Design and development of the hardware system that tests the exit emergency light system.
Project:	Promotion of medical education to doctors practicing at urban areas in the cross-border area concerning technology and social medicine using multimedia and internet.
Fund:	Aristotle University of Thessaloniki Research Committee
Coordinator	Lab of Medical Informatics, Aristotle University of Thessaloniki
Duration:	Jun 2006 – Jun 2008
Personal role	*Multimedia preparation*
Project:	Boiling and Concentration with Synagogue: local analysis and simulation of dynamics and transport phenomena
Fund:	European Space Agency (Agence Spatiale Europeenne)
Coordinator	School of Chemistry, Aristotle University of Thessaloniki
Duration:	Sept 2007 – Oct 2007
Personal role:	Image analysis recognizing bubbles in liquids
Project:	Development of joint educational activities between TEI of Western Macedonia-Branch of Florina and St. Clementine University of Ohrid in Bitola, FYROM.
Fund:	INTERREG IIIA/ CARDS ΕΛΛΑΔΑ – Π.Γ.Δ.Μ.
Coordinator	Technological Education Institute of Thessaloniki
Duration:	11/05/2006 – 31/12/2007
Personal role:	Consultancy
Project:	Estimation and monitoring of exposure levels of urban residents to non-ionizing electromagnetic radiation
Φορέας:	Aristotle University of Thessaloniki Research Committee
Υπεύθυνος:	Lab of Medical Informatics
Duration:	Oct 2005 – April 2007
Personal role:	Programming of services and module for acquisition of measurements from the devices, design and development of an gyroscope with reception antenna for automatic scanning of areas.
Project:	Education of children with autism with new technologies
Fund:	Ministry of Education, Research and Religious Affairs
Coordinator:	Medical School, Aristotle University of Thessaloniki
Duration:	Nov 2007 – Oct 2008
Personal role:	Design and development of an online serious games platform for people with

Autism Spectrum Disorders, master contributor of deliverables, requirement elicitation by organizing face to face meetings with stakeholders, workshops organization

Project:	Network for smoking cessation
Fund:	Hellenic Pulmonary Society
Coordinator	Lab of Medical Informatics
Duration:	Jun 2008 – March 2009
Personal role:	Design and development of an online management system of the network of smoking cessation practicing offices.

Project:	Long Lasting Memories (LLM)
Fund:	ICT Policy Support Programme (ICT PSP) as part of the Competitiveness and Innovation Framework Programme by the European Community.
Coordinator:	Lab of Medical Physics (11 partners)
Duration:	May 2009 – May 2012
Personal role:	(AUTH partner) Co-ordination of the design and development of the system architecture, development of the FitForAll exergaming platform and wide deployment, development of in-game metrics, pilot trials technical support. Representing AUTH partner in general assembly and technical meetings, conferences, workshops and exhibitions. Deliverables writing

Project:	Unobstrusive Smart Enviroments For Independent Living (USEFIL),
Fund:	FP7-ICT-2011-7
Coordinator:	National Centre for Scientific Research "Demokritos"
Duration:	01/10/2011 - 30/09/2014
Personal role:	(AUTH partner) Participation in the design and development of the system architecture introducing a key service for Kinect's data sharing. Design of data collection protocol from realistic environments and living labs including elderly people homes, for nearly two consecutive years. Design and development of serious games compatible with SmartTVs. Representing AUTH partner in general assembly and technical meetings, conferences, workshops and exhibitions.

Project:	Multidimensional research into emotional computing (Sthenos)
Fund:	National Strategic Reference Framework (NSRF) 2007-2013
Coordinator:	University of Thessaly, Greece
Duration:	Mar 2013 – Nov 2015
Personal role:	Research on serious games, affective computing application on serious games, design of focus groups methodology and evaluation of education material

Project:	NeuroLight
Fund:	National Strategic Reference Framework (NSRF) 2007-2013
Coordinator:	North Greece Neurofeedback Center (NGNC)
Duration:	Jan 2014 – Dec 2015
Personal role:	Proposal writing contribution. Technical coordinator

Main author of deliverables
Design of the NeuroLight system

Project:	Ubiquitous iNteroperable Care for Ageing People (UNCAP)
Fund:	H2020
Coordinator:	Trilogis Srl, Italy
Duration:	Feb 2015 – Dec 2017
Personal role:	(AUTH partner) Proposal writing contribution. Member of the Technical board of UNCAP. Technical Manager of AUTH partner. Configuration and customization of the serious games platform to be compatible with UNCAP's web platform and Android app. Android app programming, system subcomponents support in pilot trials, architecture design, Representing AUTH partner in general assembly and technical meetings, conferences, workshops and exhibitions.

Project:	Connecting4Caring
Fund:	Stavros Niarchos Foundation
Coordinator:	National and Kapodistrian University of Athens
Duration:	Jan 2013 – Dec 2014
Personal role:	(AUTH partner as sub-contractor) Design and development of an online educational application

Project:	SmokeFreeBrain
Fund:	H2020
Coordinator:	Lab of Medical Physics, Aristotle University of Thessaloniki (Budget 3M, 12 partners)
Duration:	Nov 2015 – Nov 2018
Personal role:	Proposal major writing contribution Deputy Technical Manager of the project CTO of North Greece Neurofeedback Center (NGNC) partner Representing AUTH and NGNC partners in general assembly and technical meetings, conferences, workshops and exhibitions.

Project:	iPrognosis
Fund:	H2020
Coordinator:	School of Electrical and Computer Engineering, Aristotle University of Thessaloniki (Budget 4M, 11 partners)
Duration:	Feb 2016 – Feb 2020
Personal role:	Proposal major writing contribution. Technical Manager of AUTH-MPHY partner. Consultancy and design of the system's architecture, system technical requirements elicitation and open data management plan, system architecture, Serious Games design and consultancy, Main author of deliverable, writing contribution to deliverables Representing AUTH partner in general assembly and technical meetings, conferences, workshops and exhibitions.

Project:	APOLLO, H2020
Fund:	H2020, H2020-INNOSUP-02-2016

Coordinator:	Nively Sas
Duration:	12 months (01/09/2017)
Personal role:	Innovation Associate
	Principal Investigator of the project's study
Project:	CAPTAIN, H2020 (No. 769830)
Fund:	H2020, SC1-PM-15-2017
Coordinator:	Lab of Medical Physics, Aristotle University of Thessaloniki (Budget 4M, 14 partners)
Duration:	36 months (01/12/2017)
Personal role:	**Principal Investigator** (NIVELY/WITA)
	Technical coordinator
	Co-ordination of the proposal's writing
	Project Management assistance
Description:	CAPTAIN aims at development and implementation of e-coaching home assistants for older adults, following methodologies of co-creation.
Project:	SISCODE, H2020 (No. 788217)
Fund:	H2020, SwafS-13-2017
Coordinator:	Politecnico di Milano (Budget 4M, 18 partners)
Duration:	36 months (01/05/2018)
Personal role:	Writing contribution from the AUTH
	Project Management assistance
Project:	Words in the World
Fund:	Words in the World training initiative is funded by the Social Sciences and Humanities Research Council of Canada
Coordinator:	Gary Libben, PhD, FRSC, Project Director
Duration:	36 months (15/09/2017)
Personal role:	Invited external official collaborator to Partnership Grant 895-2016-1008
Project:	Living Lab Tests (Private funding project)
Fund:	Thomas More Kempen VZW (Registered Company Number 0409.667.028) (4.500 Euro)
Coordinator:	Evdokimos Konstantinidis
Duration	2 months (April - May 2018)
Personal role:	Project Coordinator
Project:	INADVANCE (No. 825750)
Fund:	H2020, SC1-BHC-23-2018
Coordinator:	UNIVERSITAT DE VALENCIA (Budget 4M, 11 partners)
Duration:	48 months (01/12/2017)
Personal role:	**Principal Investigator** (NIVELY/WITA)
Project:	ACTIVIS (Video-based analysis of autism behavior)
Fund:	Programme AAPG2019, Agence nationale de la recherche (ANR)
Coordinator:	Computer Science and Systems Laboratory (Laboratoire d'Informatique et Systèmes, Université d'Aix-Marseille) (Budget 850K, 4 partners)
Duration:	48 months (01/01/2020)
Personal role:	**Principal Investigator** (NIVELY/WITA)

Project:	PROLONG (Portable Receiver to improve Older adults)
Fund:	European GNSS Agency (GSA)
Coordinator:	Centre national de la recherche scientifique (CNRS) (Budget 709K, 5 partners)
Duration:	18 months (01/02/2020)
Personal role:	**Principal Investigator** (NIVELY/WITA)
Project:	VITALISE (Virtual health and wellbeing Living Lab Infrastructure), GA No 101007990
Fund:	H2020, INFRAIA-02-2020
Coordinator:	European Network of Living Labs (ENoLL) (Budget 5M, 19 partners)
Duration:	36 months (01/04/2021)
Personal role:	**Project coordinator,** **Principal Investigator** ENoLL, €700K Co-ordination of the proposal's writing (First time ENoLL coordinates a project)
Description:	VITALISE opens up Living Lab Infrastructures as a means to facilitate and promote research activities in the Health and Wellbeing domain in Europe
Project:	CAPTAIN-X, H2020
Fund:	Acceleration programme of COVID-X. COVID-X received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101016065. (15/112 applications were funded)
Coordinator:	CAPTAIN COACH P.C. (€100K)
Duration:	9 months (12/04/2021)
Personal role:	**Project coordinator** **Principal Investigator** CAPTAIN COACH P.C., €100K Fund raising for CAPTAIN COACH P.C. startup
Description	
Project:	RAISE (Research Analysis Identifier SystEm), GA No 101058479
Fund:	Horizon Europe, HORIZON-INFRA-2021-EOSC-01-04
Coordinator:	Aristotle University of Thessaloniki (AUTH) (Budget 5M, 19 partners)
Duration:	40 months (01/10/2022)
Personal role:	**Project coordinator (AUTH)** **Principal Investigator** AUTH, €1.05M Co-ordination of the proposal's writing
Description:	RAISE provides the infrastructure for a distributed crowdsourced data processing system, moving from open data to data open for processing.
Project:	XGain (Enhancing Competitiveness, Resilience and Sustainability of Remote Farming, Forestry and Rural Areas through Holistic Assessment of Smart XG, Last-mile and Edge Solutions' Gains), GA No 101060294
Fund:	Horizon Europe, HORIZON-CL6-2021-COMMUNITIES-01-03
Coordinator:	INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS (ICCS) (Budget 5.5M, 17 partners)
Duration:	36 months (01/04/2022)

Personal role:	**Principal Investigator** CAPTAIN COACH P.C., €199K

External Advisory Board

Project	National Network of Living Labs for Aged and Community Care Industry in Australia
Role:	International Expert Reference Group
Description:	The purpose of the International Reference Group Living Labs Project is to provide an international perspective and support, input and review into Scoping the Living Labs Project for the development of National Network of Living Labs for Aged and Community Care Industry.
Fund:	
Coordinator	
Duration	
Project	HosmartAI (Hospital Smart development based on AI), GA No 101016834
Role:	External Expert Advisory Board
Description:	
Fund:	€10M – H2020-DT-2018-2020
Coordinator	INTRASOFT – Dr. Athanasios Poulakidas
Duration	

Products

Product	VIRTA: Virtual Arena Platform (http://www.virta.gr/)
Role:	Innovation Manager/Designer/Developer
Description:	VIRTA is a cloud-based and mobile community building platform that it is offered as Software as a Service to owners of public spaces, sports arenas, stadiums etc.
Awards:	Virta was one of the 21 out of 834 candidates from all around the world who won the status of semi-finalists and at Webit StartUp Village of the Congress.
Product	CAPTAIN COACH (http://captaincoach.gr/)
Role:	Technical Coordinator and CEO of the spin-off company
Description:	CAPTAIN provides a radically new UI for empowering and motivating people in need of guidance and care. It supports setting goals, getting feedback along the process until the goal achievement. It uses micro-projections whenever and wherever needed, leaving environment untouched if not needed, Speech recognition and speech generation create a natural, intuitive interface and enables Interaction by touching ordinary objects or by natural body movements. Its functionality is based on AI Movement Analysis, AI Emotion Analysis, Speech Analysis, User Modeling, Environmental Monitoring and AI Behaviour Prediction.
Awards:	EIT Digital Venture Program Winners 2020 Prize (15K) (https://www.eitdigital.eu/fileadmin/2021/venture-program/EIT-Digital-Venture-Program-2020-Winners.pdf)

Training

Training:	Professional Scrum Product Owner https://www.scrum.org/courses/professional-scrum-product-owner-athens-2018-05-29-14817
Cost	€700
Duration:	2 days (28-30 May 2018)
Description:	Professional Scrum Product Owner™ is a 2-day course that provides the foundational knowledge needed to work with Scrum in a highly practical way. The course is a combination of instruction and team-based exercises where students experience how the Scrum framework improves product development efforts.
Training:	Professional Scrum Master https://www.scrum.org/courses/professional-scrum-master-athens-2018-06-01-14818
Cost	€700
Duration:	2 days (1-2 June 2018)
Description:	The Professional Scrum Master class covers more than just the formal framework of Scrum. An important aspect of the course is getting familiar with Scrum's underlying, empirical thinking and principles.
Training:	The Launchtrack Acceleration Program (https://strategy4startup.com)
Cost	€4600
Duration:	10 business sprints (14 weeks) (Nov 2017 – June 2018)
Description:	On-line Acceleration Programs to clarify and validate your strategy as early as possible. Dedicated to entrepreneurs with a first minimal product needing to rapidly assess market acceptability for their innovation, the Launchtrack acceleration program defines the go-to market strategy and deal with market and product positioning
Training:	Industrial Innovation Management by IMP3rove academy https://www.improve-innovation.eu/ 12 days in-class training on Innovation management assessment, Industrial versus academic innovation logic, engaging the organization in innovation, innovation strategy and performance measurement, innovation life-cycle management, intellectual property rights, open innovation, design thinking, business model innovation, innovation marketing, European and national funding schemes, https://www.improve-innovation.eu/shop/training-und-events/
Training:	GDPR Foundation and GDPR Practitioner

Conferences-Workshops

International Symposium on Biological and Medical Data Analysis ISBMDA 2006
3rd Summer School "Emerging Technologies in biomedicine"
5th European Symposium on Biomedical Engineering
6th European Symposium on Biomedical Engineering

International Special Topic Conference on Information Technology in Biomedicine ITAB 2006
Autism: Moving from understanding to the educational interventions with contemporary technologies, Kozani, 2008, (speaker)
Autism: Neuro-sensorial development and communication. The role of contemporary technologies. Thessaloniki, 2008, (speaker)
Autism: Moving from understanding to the educational interventions with contemporary technologies, Alexandroupoli, 2008, (speaker)
2nd International Conference on Pervasive Technologies Related to Assistive Environments, PETRA 2009
1st International Conference on Cloud Computing and Services Science, CLOSER 2011, Noordwijkerhout, The Netherlands, 7-9 May, 2011
1st International Conference on Medical Education Informatics, MEI 2012, April 4-7, Thessaloniki, Greece
7th Hellenic Conference on Artificial Intelligence (SETN 2012), May 28-31, Lamia, Greece
1st Physical training and physiotherapy for the third age conference, (speaker)
4th Panhellenic Multidisciplinary conference, Mental Health, Technology & Telematics Applications, (speaker)
ISO 9001:2008 – Internal Inspector of Quality Management Systems (10 hours)
The foster summer school of data " Discovering Open Science – Open Opportunities", Thessaloniki, June 2015
OpenLivingLabs 2015, 25/08 - 28/08, Istanbul, Turkey
Business Week Acceleration Week IdeaTree 24-29 Sept, 2015
Workshop on Advancing Research on Games for Older Adults Beyond Accessibility and Health Benefits
The ACM SIGCHI Annual Symposium on Computer-Human Interaction in Play (CHI PLAY), London, 2015
5th EAI International Conference on Wireless Mobile Communication and Healthcare - "Transforming healthcare through innovations in mobile and wireless technologies", London, 2015
15th International Conference on Bioinformatics & Bioengineering (BIBE), IEEE, Belgrade, Serbia, 2015
International Conference on Interactive Mobile Communication, Technologies and Learning, IMCL2015, Thessaloniki, Nov 2015
Wintry seminar of neurological and psychiatric issues, 27-29 November, 2015, Portaria, Greece (speaker)
eHealth Forum 2015, Athens (Speaker)
OpenLivingLabs 2016, 23/08 - 26/08, Montreal, Canada
eHealth Forum 2016, Athens
Society of Applied Neuroscience meeting, Corfu, 2016
European Summit on Digital Innovation for Active & Healthy Ageing, on 6 & 7 December 2016, Brussels, Representative of AUTH for becoming EIPonAHA Candidate Reference Site.
AgeingFit2017 (the first European business convention) organized by Eurasante. NHL Cluster, France Silver Eco and Eurobiomed, on February 2nd and 3rd in Lille, France
Basic principles on Management and Marketing
Geo IoT World 2017, UNCAP workshop (presentation)
30th International Symposium on Computer Based Medical Systems IEEE CBMS 2017
Exhibitor at the UNCAP Third Annual Conference and Exhibition on "Technology supporting an Ageing Population with Dignity and Respect" held in Thessaloniki on 24 June 2017.
OpenLivingLab Days 2107, 29/08 – 01/09 2017, Krakow, Poland
VS-Games 2017, 9th International Conference on Virtual Worlds and Games for Serious Applications, 6-8 Sept Athens

Invited Keynote Speech at the 30th IEEE International Symposium on Computer-Based Medical Systems - IEEE CBMS 2017.	Living Labs and serious games for health management (http://cbms2017.org/content/keynotes)
4th Panhelenic conference on Mental Health, Technology and Telematics Applications, 11 February 2015, Athens, Greece	Seniors' interventional and monitoring systems: technology acceptance. Insights from the European projects Long Lasting Memories and USEFIL
Wintry seminar of neurological and psychiatric issues, 27-29 November, 2015, Portaria, Greece	Scientific results on the usefulness of the technology on the senior's healthcare
eHealth Forum 2015, 3-4 Δεκεμβρίου, 2015, Αθήνα	Early signs detection of cognitive decline: moving from lab experiments to large scale applications
Workshop on Biomedical Technology/ Engineering and Living Labs, 1 March 2016, Thessaloniki, Greece	The Active and Healthy Ageing Living Lab in Thessaloniki
Invited talk CISSS de Laval, Jewish Rehabilitation Hospital, Montreal, Canada, 29/08/2016	Exergame systems, frameworks and Living Lab business models facilitating contemporary active and healthy ageing, evidence-based active and healthy ageing: Social care ecosystems, Living Labs and reference sites.
Invited key speech at 3rd Journal of Health Administration and Education Congress (Sanitas Magisterium), 07-09 April 2017 in Thessaloniki	Living Labs and serious games for health management
Invited speech at the ISI Foundation, 14 December 2017 in Italy	Living Labs: Their role in research, projects and products (the Thess-AHALL case).
Invited speech at Bioengineering Hackathon, 18 may 2018, organized by the EMB IEEE Student Chapter AUTH	From Research to Business. (How research projects that have been born, grown and supported by a living lab could become products.)
Invited speech at Open Access Week 2018: Designing equitable foundations for open knowledge, organized by the AUTh Library and Information Centre and the Open Knowledge Foundation of Greece	European Network of Living Labs (ENoLL) and the Open Living Lab Days event
Workshop on Biomedical Technology: entrepreneurship, co-creation, communication, 12 December 2018, Thessaloniki, Greece	"From Biomedical Technology to co-creation & public involvement: the notion of Living Labs"
Invited speech the eHealth2019 Europe Congress in Freiburg, Germany 24-25 May (invited as the Product Manager of NIVELY)	"Enhanced safety and personalized care for seniors: a new comprehensive approach."
Invited talk in Montreal Jacque Cartier (invited as the coordinator of Health and Wellbeing Living Labs of ENoLL and as the Technical Coordinator of CAPTAIN) , Montreal, Canada, 06/11/2019	The role of living labs in projects
Invited talk CISSS de Laval, Jewish Rehabilitation Hospital, Montreal, Canada, 07/11/2019	New technologies for active and heatlhy ageing in home: the CAPTAIN solution
Invited talk at the International Conference on Personalised Coaching and ICT Environments for Wellbeing and Care, ICPCWC 2019, within WHINN 2019, Odense, Denmark, 19/11/2019	Personalisation in Coaching for Care and Wellbeing of Seniors
Invited organizer and moderator for a Debate session at Digital Living Lab Days 2020 with the	The debate's topic was: Can Living labs operate as open research infrastructures?

following invited speakers: Head of Research and Industrial Infrastructures Unit at European Commission, Senior Director Design Innovation, Phillips Design, Laurea University Director and Operations Manager LiCalab	
Invited presentation at the AUTH Technology Transfer Office Workshop (24 Feb 2021). The topic of the workshop was Industry 4.0 and Software Development: from the Lab to the Market	Presentation title: CAPTAIN COACH spin-off: the story
Invited presentation at the NESTORE Final Workshop (25 Feb 2021). The topic of the workshop was Lessons learnt for Active and Healthy Ageing	Presentation title: From RIA project to product: the CAPTAIN story
Invited presentation at the SAAM Final Workshop (26 May 2021). The topic of the workshop was Lessons learnt for Active and Healthy Ageing	Presentation title: From RIA project to product: the CAPTAIN story and lesson learnt
Invited speaker for a Debate session at Digital Living Lab Days 2021 with the following invited speakers: Head of Unit, Academic R&I, DG RTD at European Commission, EARTO Secretary General, Head of City Club, EIT Urban Mobility, Director of the City of Things program of imec (8th September 2021)	The debate's topic was: Living Labs as technology infrastructures
Invited presentation at Procura's Final Event as the President of the European Network of Living Labs (23rd September 2021).	Presentation about "The Future of Living Labs in Social and Health Innovation for older adults".
Invited Keynote Speech at WeGO Chengdu East Asia Regional Office Online Event: "Co-creation of Empowering Smart Cities through Citizen Engagement Webinar", organized by World Smart Sustainable Cities Organization, Seoul, South Korea, December 9, 2021	Presentation about the European Network of Living Labs and the value of living labs. Invited as the Chairperson of ENoLL
Invited Opening Speech at FNF-KLID 2nd Living Lab forum, Organized by Korea Local Information Research and Development Institute (KLID), Friedrich Naumann Foundation for Freedom (FNF), Busan Center for Creative Economy and Innovation (BCCEI), December 7, 2021	Presentation about the European Network of Living Labs and the value of living labs. Invited as the Chairperson of ENoLL
Invited to a panel discussion at the European Event-The role of Research & Innovation in the enhancement of older cancer patients care & treatment options that took place on 9 December 2021 (organized by LifeChamps 2020 and hosted by Tomislav Sokol, Member of the European Parliament and BECA committee member)	Presentation on the potential role of living labs in the research on cancer.

Member of Boards/Committees

Invited member of the International Expert Reference Committee Focused on Living Labs. Invitation from the Aged Care Industry Information Technology Council and Swinburne University Self Design Living Lab as part of the National Network of Living Labs for Aged and

Community Care Industry Project

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__Publications__
__Peer reviewed journals (Total Impact factor: 57.4)__

1. Christos A. Frantzidis, Bratsas Charalampos, Klados Manousos, Konstantinidis Evdokimos, Lithari Chrysa, Vivas Ana, Papadelis Christos, Bamidis Panagiotis, Papas Costas, On the classification of emotional biosignals evoked by affective pictures: an integrated data mining based approach, Journal: Transactions on Information Technology in BioMedicine, Affective and Pervasive Computing for Healthcare, IEEE transactions on Information Technology in Biomedicine, 14 (2), art. no. 5373931, pp. 309-318 (IF=2.493)

2. Evdokimos I. Konstantinidis, Andrej Luneski, Christos A. Frantzidis, M. Nikolaidou, Magda Hitoglou-Antoniadou, Panagiotis D. Bamidis, Information and Communication Technologies (ICT) for Enhanced Education of Children with Autism Spectrum Disorders, The Journal on Information Technology in Healthcare 2009; 7(5): 284–292

3. Frantzidis C A, Bratsas C, Papadelis C, Konstantinidis E, Pappas C and Bamidis P D (2010) Towards Emotion Aware Computing: An Integrated Approach Using Multi-Channel Neuro-Physiological recordings & Affective Visual Stimuli. IEEE Transactions on Information Technology in Biomedicine DOI 10.1109/TITB.2010.2041553 (IF=2.493)

4. Luneski, Andrej, Konstantinidis, Evdokimos and Bamidis, Panagiotis (2010) Affective Medicine: a review of Affective Computing efforts in Medical Informatics. Methods of Information in Medicine, 49 (3). pp. 207-218. (DOI: 10.3414/ME0617), (IF=2.248)

5. Bamidis P., Frantzidis C., Kyrillidou A., Ladas A., Grigoriadou E., Billis A., Konstantinidis E. I., Zilidou V., Mouzakidis C., Semertzidou A., Karagianni M., Vivas A., Tsolaki M., Cognitive Training, Physical Exercise and Information Technology: Neuroscientific challenges & first evidence from the LLM project, Neuroscience Letters, Volume 500, Supplement, July 2011, Page e6, ISSN 0304-3940, 10.1016/j.neulet.2011.05.080. (IF=2.107)

6. Evdokimos I. Konstantinidis, Christos A. Frantzidis, Costas Pappas, Panagiotis D. Bamidis, Real time emotion aware applications: a case study employing emotion evocative pictures and neurophysiological sensing enhanced by Graphic Processor Units, Computer Methods and Programs in Biomedicine (IF= 1.862)

7. Charalampos Styliadis, Christos Papadelis, Evdokimos Konstantinidis, Andreas A. Ioannides, Panagiotis Bamidis, An MEG compatible system for measuring skin conductance responses, Journal of neuroscience methods (IF=2.053)

8. Antonis S. Billis, Evdokimos I. Konstantinidis, Vicky Zilidou, Kush Wadhwa, Aristea Kyriaki Ladas, Panagiotis D. Bamidis, Biomedical Engineering and Elderly Support, International Journal of Reliable and Quality E-Healthcare (IJRQEH), submitted October 2012

9. Fasnaki, S., Konstantinidis, E., Billis, A., Bamidis, P., 2012, Affective Computing on Elderly Intervention within Live Social Networks, Hellenic Journal of Nursing Science, 5

10. Konstantinidis, E.I., Antoniou, P.E., Bamparopoulos, G., Bamidis, P.D.: A lightweight framework for transparent cross platform communication of controller data in ambient assisted living environments. Inform Sciences. 300, 124–139 (2014). (IF= 3.893)

11. Konstantinidis, E.I., Billis, A.S., Mouzakidis, C., Zilidou, V., Antoniou, P.E., Bamidis, P.D.: Design, implementation and wide pilot deployment of FitForAll: an easy to use exergaming platform improving physical fitness and life quality of senior citizens. IEEE J. Biomed. Health Inform. 1–1 (2014). (IF= 2.072)

12. Billis, A. S., Konstantinidis, E. I., Spyrou, I.-M., Antoniou, P., & Bamidis, P. D. (2015). Exercise Intensity Forecasting: Application in Elderly Interventions that Promote Active and Healthy Aging. International Journal of E-Health and Medical Communications, 6(4), 1–19. http://doi.org/10.4018/IJEHMC.2015100101http://doi.org/10.4018/IJEHMC.2015100101

13. Bamparopoulos G, Konstantinidis EI, Bratsas C, Bamidis PD (2015) Towards exergaming Commons: composing the Exergame ontology for publishing open game data. J. Biomed. Semantics (IF= 2.26)

14. Konstantinidis EI, Bamparopoulos G, Bamidis PD (2016) Moving Real Exergaming Engines on the Web: The webFitForAll case study in an active and healthy ageing living lab environment. IEEE J.

Biomed. Health Inform (IF= 3.451)

15. Konstantinidis, E. I., Billis, A. S., Dupre, R., Fernández Montenegro, J. M., Conti, G., Argyriou, V., & Bamidis, P. D. (2016). IoT of active and healthy ageing: cases from indoor location analytics in the wild. Health and Technology, (accepted). http://doi.org/10.1007/s12553-016-0161-31.

16. Bapka, V., Bika, I., Savvidis, T., Konstantinidis, E., Bamidis, P. D., Papantoniou, G., & Moraitou, D. (2017). Cognitive training in community dwelling older adults via a commercial video game and an adaptation of the virtual reality platform FitForAll: comparison of the two intervention programs. Hellenic Journal of Nuclear Medicine, 20(2), 21–29. (IF=1.02)

17. Bamidis, P. D., Konstantinidis, E. I., Billis, A. S., & Siountas, A. (2017). From e-homes to Living Labs: founding and organising the Greek Active and Healthy Ageing Living Lab (Thess-AHALL) and its networked services. Hellenic Journal of Nuclear Medicine, 20(2), 112–125. (IF=1.02)

18. Antoniou, P. E., Spachos, D., Kartsidis, P., Konstantinidis, E. I., & Bamidis, P. D. (2017). Towards Classroom Affective Analytics. Validating an Affective State Self-reporting tool for the medical classroom. MedEdPublish, 6(3). https://doi.org/10.15694/mep.2017.000134

19. Luna-Perejon, F., Malwade, S., Styliadis, C., Civit, J., Cascado-Caballero, D., Konstantinidis, E., … Li, Y.-C. (2019). Evaluation of user satisfaction and usability of a mobile app for smoking cessation. Computer Methods and Programs in Biomedicine, 105042. https://doi.org/10.1016/j.cmpb.2019.105042 (IF=3.424)

20. Diaz-Orueta, Unai, Hopper, Louise, Konstantinidis, Evdokimos, Shaping technologies for older adults with and without dementia: reflections on ethics and preferences, Health Informatics Journal HIJ-18-0410 (IF=2.297)

21. Billis AA, Pandria N, Mouratoglou S-A, et al. Development of Cognitive and Physical Exercise Systems, Clinical Recordings, Large-Scale Data Analytics, and Virtual Coaching for Heart Failure Patients: Protocol for the BioTechCOACH-ForALL Project. JMIR Res Protoc 2020; 9: e17714.DOI: 10.2196/17714 (Konstantinidis and Bamidis are equally contributing senior authors)

22. Dias SB, Grammatikopoulou A, Diniz JA, et al. Innovative Parkinson´s Disease Patients´ Motor Skills Assessment: The i-PROGNOSIS Paradigm. Front Comput Sci; 2. Epub ahead of print 21 July 2020. DOI: 10.3389/fcomp.2020.00020

23. Dias SB, Diniz JA, Konstantinidis E, et al. Assistive HCI-Serious Games Co-Design Insights: The Case Study of i- PROGNOSIS Personalized Game Suite for Parkinson's Disease. Front Psychol 2020; 11: 4017, doi: 10.3389/fpsyg.2020.612835 (IF=2.067)

24. Konstantinidis EI, Petsani D, Bamidis PD. Teaching university students co-creation and living lab methodologies through experiential learning activities and preparing them for RRI. Health Informatics J 2021; 27: 146045822199120. (IF=2.681), DOI: 10.1177/1460458221991204

25. Carroll J, Hopper L, Farrelly AM, Vance RL, Bamidis PD, Konstantinidis E. A Scoping Review of Augmented/Virtual Reality Health and Wellbeing Interventions for Older Adults: Redefining Immersive Virtual Reality. Front Virtual Real; 2. Epub ahead of print 2 June 2021. DOI: 10.3389/frvir.2021.655338.

26. Konstantinidis, E. I., Bamidis, P. D., Billis, A., Kartsidis, P., Petsani, D., & Papageorgiou, S. G. (2021). Physical Training In-Game Metrics for Cognitive Assessment: Evidence from Extended Trials with the Fitforall Exergaming Platform. Sensors, 21(17), 5756. https://doi.org/10.3390/s21175756 (IF=3.576)

27. 1. Beristain Iraola A, Álvarez Sánchez R. User Centered Virtual Coaching for Older Adults at Home Using SMART Goal Plans and I-Change Model. Int J Environ Res Public Health [Internet] 2021 Jun 26;18(13):6868. PMID:34206808. https://doi.org/10.3390/ijerph18136868 (IF=3.390)

28. Petsani, D., Ahmed, S., Petronikolou, V., Kehayia, E., Alastalo, M., Santonen, T., Merino-Barbancho, B., Cea, G., Segkouli, S., Stavropoulos, T. G., Billis, A., Doumas, M., Almeida, R., Nagy, E., Broeckx, L., Bamidis, P., & Konstantinidis, E. (2022). Digital Biomarkers for Supporting Transitional Care Decisions: Protocol for a Transnational Feasibility Study. JMIR Research Protocols, 11(1), e34573. https://doi.org/10.2196/34573

29. Santonen T, Petsani D, Julin M, Garschall M, Kropf J, Van der Auwera V, Bernaerts S, Losada R, Almeida R, Garatea J, Muñoz I, Nagy E, Kehayia E, de Guise E, Nadeau S, Azevedo N, Segkouli S, Lazarou I, Petronikolou V, Bamidis P, Konstantinidis E. Cocreating a Harmonized Living Lab for Big Data–Driven Hybrid Persona Development: Protocol for Cocreating, Testing, and Seeking Consensus. JMIR Res Protoc [Internet] 2022 Jan 6;11(1):e34567. [doi: 10.2196/34567]

30. Bernaerts S, De Witte NAJ, Van der Auwera V, Bonroy B, Muraru L, Bamidis P, Frantzidis C, Kourtidou-Papadeli C, Azevedo N, Gareatea J, Muñoz I, Almeida R, Losada R, Fung J, Kehayia E, Lamontagne A, de Guise E, Duclos C, Higgins J, Nadeau S, Beaudry L, Konstantinidis E. Rehabilitation supported by technology: Protocol for an international co-creation and user experience study (Preprint). JMIR Res Protoc [Internet] 2021 Oct 28; [doi: 10.2196/34537]

31. Sarriegi JK, Iraola AB, Álvarez Sánchez R, Graña M, Rebescher KM, Epelde G, Hopper L, Carroll J, Ianes PG, Gasperini B, Pilla F, Mattei W, Tessarolo F, Petsani D, Bamidis PD, Konstantinidis EI. COLAEVA: Visual Analytics and Data Mining Web-Based Tool for Virtual Coaching of Older Adult Populations. Sensors [Internet] 2021 Nov 30;21(23):7991. [doi: 10.3390/s21237991] (IF=3.576)

32. Hernandez M, Epelde G, Beristain A, Álvarez R, Molina C, Larrea X, Alberdi A, Timoleon M, Bamidis P, Konstantinidis E. Incorporation of Synthetic Data Generation Techniques within a Controlled Data Processing Workflow in the Health and Wellbeing Domain. Electronics. [doi: 10.3390/electronics11050812] (IF=2.397)

33. Tessarolo, F., Petsani, D., Conotter, V., Nollo, G., Conti, G., Nikolaidou, M., Onorati, G., Bamidis, P. D., & Konstantinidis, E. I. (2022). Developing ambient assisted living technologies exploiting potential of user-centred co-creation and agile methodology: the CAPTAIN project experience. Journal of Ambient Intelligence and Humanized Computing. https://doi.org/10.1007/s12652-021-03649-0 (IF=3.66).

34. Petsani, D., Konstantinidis, E., Katsouli, K., Zilidou, V., Dias, S. B., Hadjileontiadis, L., & Bamidis, P. (2021). Digital biomarkers for wellbeing through exergame interactions: An Exploratory Study (Preprint). JMIR Serious Games, In Press. https://doi.org/10.2196/34768 (IF=3.36)

Guest Editorials

1. Spagnol S, Csapó Á, Konstantinidis IE, et al. (2018) Editorial: Mobile Assistive Technologies. Wireless Communications and Mobile Computing. Available at: https://www.hindawi.com/journals/wcmc/aip/8617892/. DOI: 10.1155/2018/8617892 (IF=1.89)

2. Konstantinidis EI, Vellidou E, Fernandez-Luque L, Bamidis, PD. Editorial: Coaching Systems for Health and Well-Being. *Front Digit Heal*; 3. Epub ahead of print 25 February 2021. DOI: 10.3389/fdgth.2021.658023.

3. Health Informatics Journal, Special Issue on Open Living Lab based Co-creation and Innovation: Scaling up Health and Well-Being from Local to Global

Book Chapters

1. Panagiotis D. Bamidis, Christos Frantzidis, Evdokimos Konstantinidis, Andrej Luneski, Chrysa Lithari, Manousos Klados, Christos Papadelis, Costas Pappas, An integrated approach to emotion recognition for advanced emotional intelligence, in Lecture Notes in Computer Science, Affective Dialogue Systems, vol. 3068/2004, Springer Berlin/Heidelberg, pp. 36-48, 2009.

2. Frantzidis C.A., Konstantinidis E., Pappas C., Bamidis P.D., An automated system for processing electrodermal activity, Studies in Health Technology and Informatics 150, pp. 787

3. Konstantinidis E.I., Billis A., Hlauschek W., Panek P., Bamidis P.D., Integration of Cognitive and Physical Training in a Smart Home Environment for the Elderly People, Stud Health Technol Inform. 2010;160(Pt 1):58-62

4. Konstantinidis S.T., Bamidis P.D., Konstantinidis E.I., Nikolaidou M.M., Boutou A.K., Argyropoulou P., Οι νέες τεχνολογίες στην υπηρεσία του Δικτύου Διακοπής Καπνίσματος, 36th Annual Pan-Hellenic Medical Conference, Athens, Greece, 4-8 May, 2010, Book Chapter, ISSN 1106-0336, pp. 25-45

5. Konstantinidis, E.I., Billis, A., Grigoriadou, E., Sidiropoulos, S., Fasnaki, S., Bamidis, P.D. Affective computing on elderly physical and cognitive training within live social networks (2012) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 7297 LNCS, pp. 339-344.

6. Antoniou, P.E., Konstantinidis, E.I., Billis, A.S., Bamparopoulos, G., Tsatali, Marianna, T., Siountas, A., Bamidis, P.D.: Instrumenting the eHome and preparing elderly Pilots - the USEFIL approach. In: Bamidis, P.D., Tarnanas, I., Hadjileontiadis, L., and Tsolaki, M.N. (eds.) Innovations in the Diagnosis

and Treatment of Dementia (2015).

7. Bamidis, P.D., Konstantinidis, E.I., Billis, A.S., Siountas, A.: Reviewing Home Based Assistive Technologies. Innovations in the Diagnosis and Treatment of Dementia (2015).

8. P. D. Bamidis, E. Gabarron, S. Hors-Fraile, E. Konstantinidis, S. Konstantinidis, and O. Rivera, "Gamification and Behavioral Change: Techniques for Health Social Media," in Participatory Health through Social Media, Softcover., Academic Press, 2016.

9. Xefteris, S., Konstantinidis, E., Billis, A. S., Antoniou, P., Styliadis, C., Paraskevopoulos, E., Kartsidis, P.E., Frantzidıs, C.A., Bamidis, P. (2016). Early Detection of Dementia: In Improving the Quality of Life for Dementia Patients through Progressive Detection, Treatment, and Care (pp. 74–106). IGI Global. http://doi.org/10.4018/978-1-5225-0925-7.ch004

10. Konstantinidis EI, Billis A, Bratsas C, et al. Active and Healthy Ageing Big Dataset Streaming on Demand. In: Universal Access in Human-Computer Interaction. Users and Context Diversity. Toronto, Canada, pp. 375–384.

11. Li, K.-J., Conti, G., Konstantinidis, E., Zlatanova, S., & Bamidis, P. (2019). OGC IndoorGML: A Standard Approach for Indoor Maps. In Geographical and Fingerprinting Data to Create Systems for Indoor Positioning and Indoor/Outdoor Navigation (pp. 187–207). Elsevier. https://doi.org/10.1016/B978-0-12-813189-3.00010-1

12. Savvidis, T. P., Konstantinidis, E. I., Dias, S. B., Diniz, J. A., Hadjileontiadis, L. J., & Bamidis, P. D. (2018). Exergames for Parkinson's Disease Patients: How Participatory Design Led to Technology Adaptation. Studies in Health Technology and Informatics (Vol. 251). https://doi.org/10.3233/978-1-61499-880-8-78

13. Petsani, D., Kostantinidis, E. I., Diaz-Orueta, U., Hopper, L., & Bamidis, P. D. (2019). Extending Exergame-Based Physical Activity for Older Adults: The e-Coaching Approach for Increased Adherence. In Communications in Computer and Information Science (p. 108–125, volume 982). https://doi.org/10.1007/978-3-030-15736-4_6

14. Panagiotis D Bamidis, Evdokimos I Konstantinidis, Sofia Reppou, Georgios Ntakakis, Gareth Frith, Suzanne Bickerdike, Trudie E Roberts. From elderly coaching solutions to palliative care ecosystem augmentation via patient-centred technologies and training. In PD Bamidis and L Despotova-Toleva (Eds). Contemporary General Practice Challenges. In Press, (ISBN: 978-960-243-709-4)

15. Konstantinidis, E. I., Petsani, D., Conti, G., Billis, A., Conotter, V., Chican, G., ... & Bamidis, P. (2019). A New Approach for Ageing at Home: The CAPTAIN System. Studies in health technology and informatics, 264, 1704-1705.

16. Petsani D, Konstantinidis E, Carroll J, et al. Creating a Feedback Loop Between Persona Development and User Research Towards Better Technology Acceptance. In: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), pp. 282–298.

17. Konstantinidis E, Petsani D, Mantziari D. Ο ρόλος και η εξέλιξη των ζωντανών εργαστηρίων στον τομέα της υγείας και της ευεξίας. In: Πολιτικές και Συστήματα Υγείας. 2020.

18. Andreoni G, Konstantinidis E, Petsani D, et al. (2021) Other Advanced Research Initiatives in Elderly Care and Fragility Prevention. In: Andreoni G., Mambretti C. (eds) Digital Health Technology for Better Aging. Research for Development. Springer, Cham. https://doi.org/10.1007/978-3-030-72663-8_20

19. Mantziari, D., Konstantinidis, E., Petsani, D., Kyriakidis, N., Zilidou, V., Sidiropoulos, E., Nikolaidou, M., Katsouli, A.-M., & Bamidis, P. (2022). ThessAHALL—A Life-Long Learning Programme for the Social Inclusion of "Early-Stage" Older Adult Researchers (pp. 89–97). https://doi.org/10.1007/978-3-030-78733-2_9

20. E. Konstantinidis, N. Pandria, A. Billis, S.-A. Mouratoglou, and P. D. Bamidis, "Work-in-Progress: Designing an e-Coaching System for Chronic Heart Failure Patients," in 13th International Conference on Interactive Mobile Communication Technologies and Learning IMCL2017, 2021, pp. 437–444.

Conference contributions

1. Evdokimos I. Konstantinidis, Panagiotis D. Bamidis, Dimitrios Koufogiannis, «Development Of A

Generic And Flexible Human Body Wireless Sensor Network», 6th European Symposium On Biomedical Engineering (ESBME 2008), Chania, Crete Island, Greece

2. M. Dimopoulos, D. Papakostas, A. Xatzopoulos, E. Konstandinidis, A. Spyronasios, "Microcontroller-based Production-Line Testing" XXII Conference on Design of Circuits and Integrated Systems (DCIS 2007), Seville, Spain, 21-23 November 2007.

3. M. Dimopoulos, D. Papakostas, A. Xatzopoulos, E. Konstandinidis, A. Spyronasios, "Design and Development of a Versatile Testing System for Analog and Mixed-Signal Circuits" IEEE European Conference on Circuit Theory and Design 2007 (ECCTD 2007), Seville, Spain, 26-30 August 2007.

4. Andrej Luneski, Evdokimos I. Konstantinidis, Madga Hitoglou-Antoniadou, Panagiotis D. Bamidis, "Affective Computer-Aided Learning for Autistic Children" ICMI 2008 The 1st Workshop on Child, Computer and Interaction, Chania, Crete, Greece, 20-23 October 2008

5. Stathis Th. KONSTANTINIDIS, Evdokimos KONSTANTINIDIS, Maria M. NIKOLAIDOU, Afroditi K. BOUTOU, Nikos HAVOUZIS, Paraskevi ARGYROPOULOU, Panagiotis D. BAMIDIS, The use of Open Source and Web2.0 in developing an Integrated EHR and e-learning System for the Greek Smoking Cessation Network , MIE 2009, Sarajevo, 30Aug – 2 Sept 2009,

6. Christos A. Frantzidis, Evdokimos Konstantinidis, Costas Pappas, Panagiotis D. Bamidis, An automated system for processing electrodermal activity, MIE 2009, Sarajevo, 30Aug – 2 Sept 2009, submitted

7. Evdokimos I. Konstantinidis, Andrej Luneski, Maria M. Nikolaidou, Magda Hitoglou-Antoniadou, Panagiotis D. Bamidis, Using Affective Avatars and Rich Multimedia Content for Education of Children with Autism, The 2nd International Conference on PErvasive Technologies Related to Assistive Environments is organized by the University of Texas at Arlington, USA. , Workshop on AHETA: "Assistive Healthcare & Educational Technologies for special tArget groups", 9-13 June, Corfu, Greece

8. Evdokimos I. Konstantinidis, Andrej Luneski, Christos A. Frantzidis, Pappas Costas, Panagiotis D., A Proposed Framework of an Interactive Semi-Virtual Environment for Enhanced Education of Children with Autism Spectrum Disorders, The 22nd IEEE International Symposium on Computer-Based Medical Systems, CBMS 2009, 3-4 August, 2009, Albuquerque, New Mexico, USA

9. Evdokimos I. Konstantinidis, Andrej Luneski, Christos A. Frantzidis, M. Nikolaidou, Magda Hitoglou-Antoniadou, Panagiotis D. Bamidis, Information and Communication Technologies (ICT) for Enhanced Education of Children with Autism Spectrum Disorders, International Conference on Information Communication Technologies in Health, ICICTH 2009, July 16-18, 2009, Samos, Greece

10. Evdokimos I. Konstantinidis, Christos A. Frantzidis, Lazaros Tzimkas, Costas Pappas, Panagiotis D. Bamidis, Accelerating Biomedical Signal Processing Algorithms» with Parallel Programming on Graphic Processor Units, 9th International Conference on Information Technology and Applications in Biomedicine, ITAB 2009, art. no. 5394314 Larnaca, Cyprus, 5-7 November, 2009

11. Evdokimos I. Konstantinidis, A proposed service combining cognitive and physical training and independent living components, The European Ambient Assisted Living Forum 09, Young researchers and PhD workshop, 29 September - 1 October 2009, Vienna, Austria

12. Konstantinidis E.I., Frantzidis C.A., Papadelis C., Pappas C. , Bamidis P.D., WADEDA: A Wearable Affective Device with On-Chip Signal Processing Capabilities for measuring ElectroDermal Activity, XII Mediterranean Conference on Medical and Biological Engineering and Computing, MEDICON 2010, Porto Carras, Chalkidiki, Greece, May 27-30, 2010

13. Billis A.S., Konstantinidis E.I., Mouzakidis C., Tsolaki M.N., Pappas C., Bamidis P.D., A game-like interface for training seniors' dynamic balance and coordination, XII Mediterranean Conference on Medical and Biological Engineering and Computing, MEDICON 2010, IFMBE Proceedings, 29, pp. 691-694.

14. Komnidis A., Konstantinidis E. I., Stylianou I., Klados M.A., Kalfas A., Bamidis P.D., A modular architecture of a computer-operated olfactometer for universal use, XII Mediterranean Conference on Medical and Biological Engineering and Computing, MEDICON 2010, Porto Carras, Chalkidiki, Greece, May 27-30, 2010

15. Michailidou A.V., Chatzi P., Kalozoumis P.G., Kalfas A.I., Pappa M., Tsiafis I., Konstantinidis E.I., Bamidis P.D., A Laboratory Scale Facility for the Parametric Characterization of the Intraocular Pressure of the Human Eye, XII Mediterranean Conference on Medical and Biological Engineering and

Computing, MEDICON 2010, Porto Carras, Chalkidiki, Greece, May 27-30, 2010

16. Konstantinidis S.T., Konstantinidis E.I., Nikolaidou M.M., Boutou A.K., Havouzis N., Bamidis P.D., Argyropoulou P., Online Training of Healthcare Professional to enable Smoking Cessation, XII Mediterranean Conference on Medical and Biological Engineering and Computing, MEDICON 2010, Porto Carras, Chalkidiki, Greece, May 27-30, 2010

17. Tzanavari E., Konstantinidis E.I., Bamidis P.D., Hitoglou-Antoniadou M., Extending the autism communication system with educational scenaria, XII Mediterranean Conference on Medical and Biological Engineering and Computing, MEDICON 2010, Porto Carras, Chalkidiki, Greece, May 27-30, 2010

18. Konstantinidis E.I., Patoulidis G.I., Vandikas I.N., Parisses C., Asimopoulos N., Development of a Collaborative Vehicle Collision Avoidance System, 2010 IEEE Intelligent Vehicles Symposium, IV'10, San Diego, CA, June 21-24, 2010

19. Konstantinidis E. I., Billis A., Bamidis P. D., Cognitive And Physical Training Medical Record, A Web Service Based Architecture, 1st International Conference on Cloud Computing and Services Science, CLOSER 2011, Noordwijkerhout, The Netherlands, 7-9 May, 2011

20. Billis A. S., Konstantinidis E. I., Ladas A. I., Tsolaki M. N., Pappas C., Bamidis P. D., Evaluating affective usability experiences of an exergaming platform for seniors (2011) 10th International Workshop on Biomedical Engineering, BioEng 2011, art. no. 6079048

21. Vlahou, E., Billis, A., Konstantinidis, E., Mouzakidis, C., Kolassa, I.-T., Schlee, W., Glöckner, F., Arampatzis, S., Economou, N., Protopapas, A., & Bamidis, P. (2010). Long Lasting Memories: A Unified Solution for Mental and Physical Health of Senior Citizens. Serious Games, Education and Economic Development (SGEED), Ioannina, Greece.

22. Bamidis, P.D., Konstantinidis, E.I., Billis, A., Frantzidis, C., Tsolaki, M., Hlauschek, W., Kyriacou, E., Neofytou, M., Pattichis, C.S., A Web services-based exergaming platform for senior citizens: The long lasting memories project approach to e-health care (2011) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, art. no. 6090694, pp. 2505-2509.

23. Zilidou, V., Romanopoulou, E., Grigoriadou, E., Kirilidou, A., Karagianni, M., Konstantinidis, E., Billis, A., Lada, A., Mouzakidis, C., Semertzidou, A., Sidiropoulos, E., Frantzidis, C., Tsolaki, M., Bamidis, P., LLM- An innovative European Research project combining cognitive and physical training by utilizing new technologies, 4th Panhellenic Conference On Biomedical Technology, Jan. 20-21 2012, Athens, Greece

24. Christos A. Frantzidis, Maria Diamantoudi, Eirini Grigoriadou, Anastasia Semertzidou, Antonis Billis, Evdokimos Konstantinidis, Manousos A. Klados, Ana B. Vivas, Charalampos Bratsas, Magda Tsolaki, Constantinos Pappas and Panagiotis D. Bamidis, A Mahalanobis distance based approach towards the reliable detection of geriatric depression symptoms co-existing with cognitive decline, Artificial Intelligence Applications and Innovations, IFIP Advances in Information and Communication Technology Volume 382, 2012, pp 16-25

25. Alexander Artikis, Panagiotis D. Bamidis, Antonis Billis, Charalampos Bratsas, Christos Frantzidis, Vangelis Karkaletsis, Manousos Klados, Evdokimos Konstantinidis, Stasinos Konstantopoulos, Dimitris Kosmopoulos, Homer Papadopoulos, Stavros Perantonis, Sergios Petridis, Constantine S. Spyropoulos, Supporting tele-health and AI-based clinical decision making with sensor data fusion and semantic interpretation: The USEFIL case study, In International Workshop on Artificial Intelligence and NetMedicine, p. 21. 2012.

26. Manousos A. Klados, Maria Nikolaidou, Evdokimos Konstantinidis, Antonella Chifari and Panagiotis D. Bamidis, A Short Review of Computerized Monitoring Systems for ADHD, 26th International Symposium on Computer-Based Medical Systems, CBMS2013, June 20-22, Porto, Portugal

27. Antonis Billis, Elpiniki Papageorgiou, Christos Frantzidis, Evdokimos Konstantinidis, Alexander Astaras, Manos Klados, Charalampos Styliadis and Panagiotis Bamidis, Towards unobtrusive sensor based decision support system for independent living: The case of the USEFIL project, 5th Panhellenic Conference On Biomedical Technology, Aug. 4-6 2013, Athens, Greece

28. Manousos A. Klados, Styliadis Charalampos, Christos Frantzidis, Evdokimos Konstantinidis, Antonis Billis and Panagiotis Bamidis, Neurofeedback and Affective Disorders, 5th Panhellenic Conference On Biomedical Technology, Aug. 4-6 2013, Athens, Greece

29. Charalampos Styliadis, Manousos Klados, Evdokimos Konstantinidis, Antonis Billis and Panagiotis Bamidis, Spatiotemporal activity in affection and its disorders: The STHENOS approach, 5th Panhellenic Conference On Biomedical Technology, Aug. 4-6 2013, Athens, Greece

30. Antonis Billis, Elpiniki Papageorgiou, Christos Frantzidis, Evdokimos Konstantinidis, Panagiotis Bamidis, Towards a hierarchically-structured decision support tool for improving seniors' independent living. The USEFIL Decision Support System, The 6th International Conference on PErvasive Technologies Related to Assistive Environments, PETRA '13, Island of Rhodes, Greece, May 29-31, 2013.

31. Styliadis, C., Konstantinidis, E., Billis, A., Bamidis, P.: Employing affection in elderly healthcare serious games interventions. Proceedings of the 7th International Conference on PErvasive Technologies Related to Assistive Environments. p. 32 (2014).

32. Antoniou, P.E., Konstantinidis, E.I., Billis, A.S., Bamidis, P.D.: Integrating the USEFIL Assisted Living Platform; Observation from the Field. 6th European Conference of the International Federation for Medical and Biological Engineering. pp. 657–660 (2015).

33. Konstantinidis, E.I., Antoniou, P.E., Billis, A., Bamparopoulos, G., Pappas, C., Bamidis, P.D.: Leveraging Web Technologies to Expose Multiple Contemporary Controller Input in Smart TV Rich Internet Applications Utilized in Elderly Assisted Living Environments. Universal Access in Human-Computer Interaction. Aging and Assistive Environments. pp. 118–128. Springer (2014).

34. Konstantinidis, E.I., Bamparopoulos, G.G., Billis, A.S., Bamidis, P.D.: Internet of Things For an Age-Friendly Healthcare. Medical Informatics Europe (MIE) (2015).

35. Konstantinidis, E.I., Antoniou, P.E., Bamidis, P.D.: Exergames for Assessment in Active and Healthy Aging: Emerging Trends and Potentialities. International Conference on Information and Communication Technologies for Ageing Well and e-Health (2015).

36. G. Bamparopoulos, E. Konstantinidis, A.Billis and P.D. Bamidis, Towards Personilized Physical Fitness Utilizing Semantic Web Technologies for Decision Support, In Proceedings of the 6th Panhellenic Conference on Biomedical Technology, ELEVIT 2015, pp.60, May 6-8, Athens, Greece, 2015

37. Evangelia Romanopoulou, Vasiliki Zilidou, Evdokimos Konstantinidis, Antonis Billis, Panagiotis Bamidis, Application Ecosystem for the Independent and Qualitative Life of Elderly People, In Proceedings of the 6th Panhellenic Conference on Biomedical Technology, ELEVIT 2015, pp.60, May 6-8, Athens, Greece, 2015

38. Konstantinidis, E.I., Nicola, C., Bamparopoulos, G., SIdiropoulos, E., De Natale, F., Bamidis, P.D.: Introducing Neuroberry, a platform for pervasive EEG signaling in the IoT domain. 5th EAI International Conference on Wireless Mobile Communication and Healthcare - "Transforming healthcare through innovations in mobile and wireless technologies", October 14-16, 2015, London, Great Britain

39. Konstantinidis, E.I., Bamidis, P.D.: Can Exergames Promote Seniors' Perceived Usefulness?. Ageing Playfully, A CHI PLAY 2015 Workshop, September 4th 2015

40. Sidiropoulos, E. A., Konstantinidis, E. I., Kotsakis, R. G., & Veglis, A. A. (2015). RecApp: A mobile application for ubiquitous and collaborative audio processing. In Audio Monstly 2015, Thessaloniki, Greece

41. Konstantinidis, E. I., & Bamidis, P. D. (2015). Density Based Clustering on Indoor Kinect Location Tracking: a new way to exploit Active and Healthy Aging Living Lab Datasets. In 15th International Conference on Bioinformatics & Bioengineering (BIBE), IEEE. Belgrade, Serbia.

42. Konstantinidis, E. I., Bamparopoulos, G., & Bamidis, P. D. (2015). Transfering Full Body Exergames from Desktop Applications to Mobile Devices: the Role of the Internet of Things. In 9th International Conference on Interactive Mobile Communication Technologies and Learning, IMCL2015. Thessaloniki, Greece.

43. Konstantinidis, E.I., Billis, A.S., Plotegher, L., Conti, G. and Bamidis, P.D. 2016. Indoor Location IoT Analytics "in the wild": Active and Healthy Ageing Cases. *XIV Mediterranean Conference on Medical and Biological Engineering and Computing, MEDICON*. 1225–1230.

44. E. I. Konstantinidis, A. S. Billis, G. Bamparopoulos, S. G. Papageorgiou, and P. D. Bamidis, "Can Game Metrics Assist Stealth Assessment? Evidence from FitForAll Exergaming Platform," in *14th*

International Athens/Springfield Symposium on Advances in Alzheimer Therapy, 2016, p. 186.

45. Konstantinidis, E.I., Billis, A.S., Savvidis, T., Xefteris, S. and Bamidis, P.D. Emotion Recognition in the Wild: Results and Limitations from Active and Healthy Ageing cases in a Living Lab. EAI International Conference on Ambient Assisted Living Technologies based on Internet of Things (Budapest, Hungary).

46. Konstantinidis, E.I., Billis, A.S., Bratsas, C., Siountas, A. and Bamidis, P.D. 2016. Thessaloniki Active and Healthy Ageing Living Lab: the roadmap from a specific project to a living lab towards openness. 9th International Conference PErvasive Technologies Related to Assistive Environments (PETRA) (2016).

47. Billis, A.S., Konstantinidis, E.I., Bratsas, C., Siountas, A. and Bamidis, P.D. 2016. Moving from lab testing of Active & Healthy Ageing technologies to real-life implementation. 9th International Conference PErvasive Technologies Related to Assistive Environments (PETRA) (2016).

48. Dias, S. B., Diniz, J. A., Hadjidimitriou, S., Charisis, V., Konstantinidis, E., Bamidis, P. D., & Hadjileontiadis, L. J. (n.d.). Personalized Game Suite: A unified platform to sustain and improve the Quality of Life of Parkinson's Disease patients. Frontiers in Human Neuroscience, (23). http://doi.org/10.3389/conf.fnhum.2016.220.00023http://doi.org/10.3389/conf.fnhum.2016.220.00023

49. Sidiropoulos, E. A., Konstantinidis, E. I., & Veglis, A. A. (2016). Framework of a Collaborative Audio Analysis and Visualization tool for Data Journalists. In 11th International Workshop on Semantic and Social Media Adaptation and Personalization.

50. Antoniou, P., Kartsidis, P., Xefteris, S., Arfaras, G., Konstantinidis, E., & Bamidis, P. (2016). Towards medical education neuroscience: pilot results of integrative affective analytics from clinical skills workshops. Frontiers in Human Neuroscience, 10. http://doi.org/10.3389/conf.fnhum.2016.220.00035

51. Zilidou, V. I., Konstantinidis, E. I., Romanopoulou, E. D., Karagianni, M., Kartsidis, P., & Bamidis, P. D. (2016). Investigating the effectiveness of physical training through exergames: focus on balance and aerobic protocols. In 1st International Conference on Technology and Innovation is Sports, Health and Wellbeing.

52. Hadjidimitriou, S., Charisis, V., Kyritsis, K., Konstantinidis, E., Delopoulos, A., Bamidis, P., … Hadjileontiadis, L. J. (2016). Active and healthy ageing for Parkinson's Disease patients' support: A user's perspective within the i-PROGNOSIS framework. In 1st International Conference on Technology and Innovation is Sports, Health and Wellbeing.

53. Bamidis, P. D., Paraskevopoulos, E., Konstantinidis, E. I., Spachos, D., & Billis, A. S. (2017). Multimodal e-health services for smoking cessation and public health: the SmokeFreeBrain project approach. In MEDINFO 2017: Precision Healthcare through Informatics. https://doi.org/10.3233/978-1-61499-830-3-5

54. Kartsidis, P., Styliadis, C., Karagianni, M., Zilidou, V., Konstantinidis, E., Katsarou, Z., Bostantjopoulou, S., Hadjileontiadis, L. J., Bamidis, P. D. (2017). Neuroprotective effects of physical activity in Parkinson's disease: a resting state EEG study on the webFitForAll efficacy. In 7th Panhellenic Conference on Biomedical Technology, ELEVIT 2017.

55. Dias, S. B., Konstantinidis, E. I., Diniz, J., Bamidis, P. D., Charisis, V., Hadjidimitriou, S., Stadtschnitzer, M., Fagerberg, P., Ioakeimidis, I., Dimitropoulos, K., Grammalidis, N., Hadjileontiadis, L. J. (2017). On supporting Parkinson's Disease patients: The i-PROGNOSIS Personalized Game Suite design approach. In 30th IEEE International Symposium on Computer-Based Medical Systems - IEEE CBMS.

56. Zavaropoulou, A., Kofterou, M., Konstantinidis, E. I., Bratsas, C. D., & Bamidis, P. D. (n.d.). Development of neural networks for identification of skeleton data in a living lab. In 9th International Week Dedicated to Maths 2017.

57. Dias, S. B., Konstantinidis, E. I., Diniz, J., Bamidis, P. D., Charisis, V., Hadjidimitriou, S., … Hadjileontiadis, L. J. (2017). Serious Games as a means for Holistically Supporting Parkinson's Disease Patients: The i-PROGNOSIS Personalized Game Suite Framework. In 9th International Conference on Virtual Worlds and Games for Serious Applications (pp. 237–244). Athens, Greece.

58. Konstantinidis, E. I. (2017). The interplay between IoT and serious games towards personalised healthcare. In 9th International Conference on Virtual Worlds and Games for Serious Applications (pp. 249–252). Athens, Greece.

59. Bapka, V., Bika, I., Kavouras, C., Savvidhs, T., Konstantinidis, E., Bamidis, P., ... Moraitou, D. (2017). Brain plasticity in older adults: Could it be better enhanced by cognitive training via an adaptation of the virtual reality platform FitForAll or via a commercial video game? In 11th International Conference on Interactive Mobile Communication Technologies and Learning IMCL2017.

60. Petsani D, Kostantinidis EI and Bamidis PD (2018) Designing an E-coaching System for Older People to Increase Adherence to Exergame-based Physical Activity. In: Proceedings of the 4th International Conference on Information and Communication Technologies for Ageing Well and e-Health, 2018, pp. 258–263. SCITEPRESS - Science and Technology Publications. DOI: 10.5220/0006821502580263.

61. Dias SB, Diniz JA, Konstantinidis EI, et al. (2018) On Exploring Design Elements in Assistive Serious Games for Parkinson's Disease Patients: The i-PROGNOSIS Exergames Paradigm. In: International Conference on Technology and Innovation in Sports, Health and Wellbeing, TISHW 2018, Thessaloniki, Greece, 2018.

62. Petsani, D., Konstantinidis, E. I., Zilidou, V., & Bamidis, P. D. (2018). Exploring health profiles from physical and cognitive serious game analytics. In International Conference on Technology and Innovation in Sports, Health and Wellbeing, TISHW 2018. Thessaloniki, Greece

63. Coach Assistant via Projected and Tangible Interface, Eliana Eliadou, Marios Neofytou, Panagiotis Bamidis, Evdokimos Konstantinidis, Ersi Papayianni and Constantinos Pattichis, Accessibility, Inclusion and Rehabilitation using Information Technologies, AIRTech2018, Palma de Mallorca, Spain, November 5-6, 2018

64. Hopper, L., Diaz-Orueta, U., Konstantinidis, E., & Bamidis, P. (2018). 56Coach Assistant via Projected and Tangible Interface (CAPTAIN): Co-production of a Radically New Human Computer Interface with Older Adults. Age and Ageing, 47(suppl_5), v13–v60. https://doi.org/10.1093/ageing/afy140.43

65. Zilidou, V. I., Ziagkas, E., Konstantinidis, E. I., Bamidis, P. D., & Douka, S. (2018). Integrating Technology Into Traditional Dance For The Elderly. In International Conference on Interactive Collaborative Learning, ICL2018. Kos island, Greece.

66. Diaz-Orueta, U., Hopper, L., & Konstantinidis, E. (2018). Ethical issues and procedures for the involvement of vulnerable populations in ICT projects. In Book of Abstracts of 3rd International Conference on Medical Education Informatics, MEI 2018. Leeds, England.

67. Hopper, L., Diaz-Orueta, U., Joyce, R., Konstantinidis, E., & Bamidis, P. D. (2018). Ethical considerations in the digital age of health and social care. In Book of Abstracts of 3rd International Conference on Medical Education Informatics, MEI 2018. Leeds, England.

68. Savvidis, T., Konstantinidis, E., Dias, S. B., Zilidou, V., Romanopoulou, E., Hadjileontiadis, L., & Bamidis, P. (2019). Co-Creating Exergames with Parkinson's Disease Patients. In 8th Panhellenic Conference on Biomedical Technology, ELEVIT 2019. Athens, Greece.

69. Petsani D, Mantziari D, Zilidou V, et al. Co-design the future CAPTAIN system with older adults. In: Proceedings of the 12th ACM International Conference on PErvasive Technologies Related to Assistive Environments - PETRA '19. New York, New York, USA: ACM Press, pp. 639–644.

70. Petsani, D., Kallini, E., Konstantinidis, E., Timoleon, M., Beristain, A., Conti, G., Bamidis, P. D. (2019). Extending CAPTAIN system's interoperability on the local and server side. In 8th Panhellenic Conference on Biomedical Technology, ELEVIT 2019. Athens, Greece.

71. Konstantinidis, E., Billis, A., Mouratoglou, S. A., Pandria, N., & Bamidis, P. D. (2019). BiotechCOACH – ForALL: design and experimentation protocol of a digital coaching system for Chronic Heart Failure patients. In 8th Panhellenic Conference on Biomedical Technology, ELEVIT 2019. Athens, Greece.

72. Mantziari, D. A., Petsani, D. G., Konstantinidis, E. I., & Bamidis, P. D. (2019). Ageism and open Academia: exploring new pathways towards the limitation of social exclusion of older adults and chronic patients. In The 2019 European Triple Helix Congress on Responsible Innovation and Entrepreneurship, ETHAC2019. Thessaloniki, Greece.

73. Tessarolo F, Nollo G, Conotter V, et al. User-centered co-design and AGILE methodology for developing ambient assisting technologies: Study plan and methodological framework of the CAPTAIN project. In: 2019 IEEE 23rd International Symposium on Consumer Technologies (ISCT). Ancona: IEEE, pp. 283–286.

74. Hopper, L., Diaz-Orueta, U., Konstantinidis, E., & Bamidis, P. (2018). Coach Assistant via Projected and Tangible Interface (CAPTAIN) for older adults including those living with CI. In 28th Alzheimer Europe Conference. Barcelona, Spain.

75. Dias S, Ioakeimidis I, Dimitropoulos K, Grammatikopoulou A, Grammalidis N, Diniz JA, Zilidou V, Savvidis T, Konstantinidis E, Bamidis, PD, et al. Innovative interventions for Parkinson's disease patients using iPrognosis games. In: Proceedings of the 13th ACM International Conference on PErvasive Technologies Related to Assistive Environments. New York, NY, USA: ACM, pp. 1–8.

76. Dias SB, Grammatikopoulou A, Grammalidis N, et al. Motion analysis on depth camera data to quantify Parkinson's disease patients' motor status within the framework of i-Prognosis personalized game suite. In: IEEE International Conference on Image Processing. 2020.

77. Beristain Iraola A, Álvarez Sánchez R, Petsani D, Hors-Fraile S, Bamidis P. Konstantinidis E. Virtual Coaching for Older Adults at Home using SMART Goal Supported Behavior Change. In: Companion Publication of the 2020 International Conference on Multimodal Interaction. New York, NY, USA: ACM, pp. 251–255.

78. Angelini L, El Kamali M, Mugellini E, … Konstantinidis E, et al. First Workshop on Multimodal e-Coaches. In: Proceedings of the 2020 International Conference on Multimodal Interaction. New York, NY, USA: ACM, pp. 890–892 (https://doi.org/10.1145/3382507.3420056)

79. Petsani, D., Santonen, T., Konstantinidis, E., Enriquez, L., Petronikolou, V., Maga, C., Makroglou, S., & Bamidis, P. (2022). Towards a taxonomy for health living lab data collection devices. In ISPIM Innovation Conference 2022.

80. Vervoort, K., Konstantinidis, E., Santonen, T., Petsani, D., Servais, D., De Boer, Danielle, Spagnoli, F., Onur, O., Bertolin, J., Trousse, B., Desole, M., & Bamidis, P. (2022). Harmonizing the evaluation of living labs: a standardized evaluation framework. In ISPIM Innovation Conference 2022.

81. Larrea, X., Hernandez, M., Epelde, G., Beristain, A., Molina, C., Alberdi, A., Rankin, D., Bamidis, P., & Konstantinidis, E. (2022). Synthetic subject generation with coupled coherent time series data. 8th International Conference on Time Series and Forecasting ITISE 2022, (accepted). https://doi.org/10.3390/engproc2022018007

82. Maga-Nteve, C., Epelde, G., Hernandez, M., Tsolakis, N., Konstantinidis, E., Meditskos, G., Bamidis, P., & Vrochidis, S. (2022). Standardized and extensible reference data model for clinical research in Living Labs. The 12th International Conference on Current and Future Trends of Information and Communication Technologies in Healthcare (ICTH 2022).

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- Evaluator (contract) of the European Social Innovation Competition (2020). The 2020 theme was "Reimagine Fashion". It is a challenge prize run by the European Commission across all Horizon 2020 associated countries (https://ec.europa.eu/growth/industry/innovation/policy/social/competition_en)

Editor at International Journals

Guest Editor at the Special Issue on Mobile Assistive Technologies at Wireless Communications and Mobile Computing Hindawi Journal (IF= 1.899)
https://www.hindawi.com/journals/wcmc/si/486761/cfp/

Guest Editor at the Special Issue on Computer Based Medical Systems at Health and Technology Journal Springer (IF= nIF) https://www.hindawi.com/journals/wcmc/si/486761/cfp/

Review Editor in Frontiers in Digital Health and Health Technologies - Connected Health Review Editor on the Editorial Board of Connected Health, part of the journal Frontiers in Digital Health and Health Technologies

Guest Editor in Health Informatics Journal Living Labs OLLD19

Reviewer at International Journals and Conferences

IEEE Transactions on Information Technology in Biomedicine, The 2nd International Conference on PErvasive Technologies Related to Assistive Environments, IEEE 9th International Conference on Information Technology and Applications in Biomedicine, Medicon 2010, International Journal of Psychology and Counselling, The 10th IEEE International Conference on Information Technology and Applications in Biomedicine, Computer methods and programs in Biomedicine, International Federation of Medical and Biological Engineering 2011, Elevit 2015, JMIR journal, CHIPLAY2015, IMCL 2015, Medicon 2016, 9th International Conference PErvasive Technologies Related to Assistive Environments (PETRA), PLOSONE journal (doi: 10.1371/journal.pone.0174259), Computers in Biology and Medicine journal, 26th IEEE International Symposium on Computer-Based Medical Systems - IEEE CBMS 2013, 30th IEEE International Symposium on Computer-Based Medical Systems (IEEE CBMS 2017), 17th annual IEEE International Conference on BioInformatics and BioEngineering (BIBE 2017), Mindcare 2014 4th International Symposium on Pervasive Computing Paradigms for Mental Health May 8–9 2014 Tokyo Japan, 9th International Conference on Information Technology and Applications in Biomedicine (ITAB 2009), 9th International Conference on Virtual Worlds and Games for Serious Applications (VS-Games 2017), 11th International Conference on Interactive Mobile Communication Technologies and Learning IMCL2017, OpenLivingLab Days 2019, OpenLivingLab Days 2020

Member of Conferences' Committees

9th International Conference on Information Technology and Applications in Biomedicine, IEEE 9th International Conference on Information Technology and Applications in Biomedicine, Medicon 2010, The 10th IEEE International Conference on Information Technology and Applications in Biomedicine, 12th Mediterranean Conference on Medical and Biological Engineering and Computing, Mindcare 2014 4th International Symposium on Pervasive Computing Paradigms for Mental Health May 8–9 2014 Tokyo

Japan, IMCL 2015, Medicon 2016, 9th International Conference PErvasive Technologies Related to Assistive Environments (PETRA), 26th IEEE International Symposium on Computer-Based Medical Systems - IEEE CBMS 2013, 30th IEEE International Symposium on Computer-Based Medical Systems (IEEE CBMS 2017), ELEVIT 2017, 17th annual IEEE International Conference on BioInformatics and BioEngineering (BIBE 2017), Second International Conference on Informatics and Assistive Technologies for Health-Care, Medical Support and Wellbeing (HEALTHINFO 2017), 9th International Conference on Information Technology and Applications in Biomedicine (ITAB 2009), 9th International Conference on Virtual Worlds and Games for Serious Applications (VS-Games 2017), International Program Committee of ICT4AWE 2018, The Third International Conference on Informatics and Assistive Technologies for Health-Care, Medical Support and Wellbeing (HEALTHINFO 2018), International Program Committee of ICT4AWE 2019, International Program Committee of ICT4AWE 2020, Program Committee at Web Intelligence 2019 WI'19 Thessaloniki Greece, Program Committee at 1st International Workshop on IoT Infrastructures for Safety in Pervasive Environments 2020, Member of the Steering Committee of the Proceedings of the Digital Living Lab Days Conference 2020, Scientific committee of the 9th Panhellenic Conference on Biomedical Technology, Steering committee of Health track in Digital Living Lab Days Conference 2021.

Chairing at Conferences
Special Track on Mobile Health Care and Training (MHCT) IMCL2014, 4th Panhellenic Multidisciplinary conference, Mental Health, Technology & Telematics Applications, IMCL 2015, 9th International Conference PErvasive Technologies Related to Assistive Environments (PETRA), 9th International Conference on Virtual Worlds and Games for Serious Applications (VS-Games 2017), 30th IEEE International Symposium on Computer-Based Medical Systems (IEEE CBMS 2017), Health & Environment Research scientific publications track of the Digital Living Lab Days Conference 2020, Chair of the Health track in Digital Living Lab Days Conference 2021.

Conferences Oraganization
Co-organizer of the OpenLivingLab Days conference (https://openlivinglabdays.com) in Thessaloniki, Greece (co-organized between the Lab of Medical Physics and the European Network of Living Labs), 3-5 September 2019, more than 450 attendees
OpenLivingLab Days conference in Turin, Italy, 21-24 September 2022

Workshops Oraganization
Workshop on "Autism: Neuro-sensory development and communication – the contribution of technology", 17 October 2008, Thessaloniki, Greece
Special Track on Mobile Health Care and Training" (MHCT) within the IMCL2015 conference, Thessaloniki, Greece
Workshop on Active and Healthy Ageing Living Labs (AHA Living Labs) within the 9th International Conference PErvasive Technologies Related to Assistive Environments (PETRA) (https://petrae.org/docs/Petra16_program.pdf)
Workshop on Gaming Technologies for innovative interventions in Healthcare within the 9th International Conference on Virtual Worlds and Games for Serious Applications (VS-Games 2017) (http://vsgames.org/2017/workshops/#healthcare)
Workshop on webFitForAll: a collaborative online platform for serious game development with and for older people. Organized within OpenLivingLab Days 2017 (selected among many), Krakow, August, 2017, https://openlivinglabdays.com/programme
Workshop of the Special Interest Group Healthcare of the European Network of Living Labs (ENoLL) at the Open Living Lab Days 2017), Krakow, August, 2017, https://openlivinglabdays.com/programme
Workshop on the impacts of living labs in agile development in the Active and Healthy Ageing domain, co-organized by CAPTAIN, ENOLL and Francophonie Living Labs, Nice, France, February, 2018
Workshop on "The role of Living Labs in EC funded projects: experiences from existing projects and

design for future ones". Organized within OpenLivingLab Days 2018 (selected among many), Geneva, Switzerland, August, 2018, https://openlivinglabdays.com/programme

Workshop on "Ethical considerations in the digital age of health and social care: experiences from the CAPTAIN project", Louise Hopper, Unai Diaz-Orueta, Rachael Joyce, Evdokimos Konstantinidis, Panagiotis Bamidis, 3rd International Conference on Medical Education Informatics, MEI 2018, September 6-7, Leeds, England

Workshop on "Virtual/Augmented/Mixed reality and the new hologram based reality… What are the prospects in MedEd?, AMEE 2019", Panagiotis Bamidis, James Pickering, Evdokimos Konstantinidis, Panagiotis Antoniou, August 2019

Workshop on "webFitForAll: a collaborative online platform for serious game development with and for older people", in OpenLivingLab Days 2017, Krakow, Poland

Workshop on "Health Living Labs", in OpenLivingLab Days 2017, Krakow, Poland

Workshop on "The role of Living Labs in EU funded projects: Experiences from existing projects and design for future ones", in OpenLivingLab Days 2018, Geneva, Switzerland

Workshop on "Scaling-up Challenge: Transnational Health and Well-Being Living Labs", as invited table moderator in OpenLivingLab Days 2019, Thessaloniki, Greece

Workshop on "Let's sail with CAPTAIN", in OpenLivingLab Days 2019, Thessaloniki, Greece

Workshop on "Multimodal e-Coaches" in 22nd ACM International Conference on Multimodal Interaction, ICMI2020. 2020.

First Workshop on Multimodal e-Coaches in ICMI-MLMI: Multimodal Interfaces and Machine Learning for Multimodal Interaction, ICMI '20

Chairing/Organisation of National Conferences/Workshops

Workshop on "Autism: From Understanding to Educational Intervention with Modern Technologies", 29 October, 2008, Alexandroupolis, Greece

Workshop on "Autism: From Understanding to Educational Intervention with Modern Technologies", 19 September, 2008, Kozani, Greece

Workshop on Biomedical Technology/ Engineering and Living Labs, 1 Μαρτίου 2016 (http://www.openlivinglabs.eu/news/enoll-ehealth-pan-european-experiments-our-next-stop-thessaloniki)

Summer/Spring Schools/Courses (Hands-on)

Workshop (3 days) on Co-creating serious games with and for Parkinson's Disease patients as part of the Best (Board of European Students of Technology) spring course 2017 in Thessaloniki. The first day's lecture was about co-creation and the need for involving end-users in all stages of design. The same day the students met the PD patients and interviewed them to get requirements. The second day the students were presented with the webFitForAll platform, emphasizing more on the development capabilities. They were asked to create a new game (based on a template) and start working on it. At the end of the lecture the students created 5 teams. Each team worked on a new Serious Game for PD patients. They were given time until the next day's evening when they would presented their games to the hackathon jury. The jury was composed of the 3 PD patients and 1 physical trainer with experience in PD. Each team presented its serious game and answer to a couple of the jury's questions.

Workshop (co-organized) StudentGuru Hackathon. Preseting webFitForAll and the co-creation value, mentoring and jury.

Summer School in Marathon (VITALISE)

2017-today	"Open e-health expert" at the Open Knowledge Greece (http://okfn.gr/), official chapter of Open Knowledge Foundation in Greece.
2017-2018	IEEE member
2017-today	ACM Greek SIGCHI (GrCHI)

Recommendation Letters (upon request)

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