

## PERSONAL INFORMATION

**Matthew Pediaditis**

 Rodon 24, GR-71306, Heraklion

 +30 693 2278858  +30 2810 332780  +30 2810 391340

 [mped@ics.forth.gr](mailto:mped@ics.forth.gr)

 [www.linkedin.com/in/matthew-pediaditis](http://www.linkedin.com/in/matthew-pediaditis)

Date of birth 18 March 1981 | Nationality Greek, Austrian

## WORK EXPERIENCE

**2/2019 – Today Postdoctoral Researcher**

Foundation for Research and Technology - Hellas, Institute of Computer Science, Computational Bio-Medicine Laboratory

**4/2017 – 1/2019 Postdoctoral Researcher**

IBM Research – Zurich, Department of Cognitive Computing and Industry Solutions, Switzerland

**5/2015 – 3/2017 Collaborating Researcher**

Foundation for Research and Technology - Hellas, Institute of Computer Science, Computational Bio-Medicine Laboratory

**1/2011 – 4/2015 Project Collaborator**

Foundation for Research and Technology - Hellas, Institute of Computer Science, Computational Bio-Medicine Laboratory

**2/2008 – 6/2008 Project Collaborator (part-time)**

Graz University of Technology, Institute for Health Care Engineering, Austria

**10/2007 – 1/2008 Study Assistant (part-time)**

Graz University of Technology, Institute for Health Care Engineering, Austria

**11/2005 – 9/2007 Project Collaborator (part-time)**

Graz University of Technology, Institute for Health Care Engineering, Austria

## EDUCATION AND TRAINING

**2008 – 2014 Ph.D. Thesis; Title: “Computerised Analysis of the Clinical Image of Absence Seizures”** ISCED 6

Graz University of Technology, Doctoral School of Biomedical Engineering, Austria

**2002 – 2008 Diploma in Electrical Engineering / Biomedical Engineering**

Graz University of Technology, Austria

**PERSONAL SKILLS**

Mother tongue Greek

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	C2	C2	C2	C2	C2
French	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user  
[Common European Framework of Reference for Languages](#)

**Communication skills**

- Team work: I have worked in various research teams as part of my collaboration in multiple research projects. I have also participated at a seminar for “Competence Training for Student Assistants: Group Management, Communication, Teamwork and Motivation”
- Intercultural skills: While working at IBM Research Zurich, a lab with more than 30 ethnicities I learned to understand multiple cultures.

**Organisational / managerial skills**

- Having worked in multiple research projects I have learned to handle all the administrative overhead and lead researcher teams.
- I have co-supervised multiple B.Sc, M.Sc theses, as well as two Ph.D. theses.
- I am currently a guest editor at a special issue titled “The Future Internet of Medical Things”. Publisher: MDPI.
- I have experience in organizing data collection experiments in the clinical domain.
- While working at IBM Research I organized a series of guest presentations on deep learning and AI.

Digital competences	SELF-ASSESSMENT				
	Information Processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

[Digital competences - Self-assessment grid](#)

**Computer skills**

- Languages: C/C++, Python, Java, HTML.
- R&D tools: Matlab, OpenCV, Tensorflow, Keras, Scikit-Learn, PsychoPy, Pandas, IBM Platform Load Sharing Facility, GSL, Qt, Boost, Libav, Eclipse CDT, Visual Studio Code, Pycharm IDE, Jupyter notebook, FlyCapture SDK, TI Code Composer Studio, Silicon Labs Simplicity Studio, Weka, KiCad, FreeCAD.
- Office: Microsoft Office, Latex, LibreOffice.
- Operation systems: Ubuntu, Red Hat Enterprise Linux, Windows.
- Hardware: TI MSP430, Silicon Labs BGM11x, Arduino, Point Grey Grasshopper 3 Camera, Axis M1065 and M1145-L Network Cameras, Intel RealSense D435 RGB-D Camera

**Prizes**

- Biomedical Signal Processing and Control: Amongst Top 20 Most-Cited Articles for the paper entitled “Stress and anxiety detection using facial cues from videos” (2020).
- Promotion award by the Association for the Dissemination of Natural Scientific Knowledge, Vienna, Austria (2008).
- Prize from SIEMENS Greece for the performance in the mathematical-natural scientific-technical domain (2000).
- Prize from the board of the German School of Athens Alumni Association and the board of the Wilhelm-Dörpfeld Society Athens e.V. (2000).

## Citations and indexes

	Google scholar		ResearchGate	
	Total	Since 2015	Total	
Citations	792	684	Citations	634
h-index	16	15	Reads	21765
i10-index	22	18	RG score	19.04

- Research projects**
- χ(επί)ΒΛΕΨΙΣ: Advanced monitoring systems for infants (Co-funded by the European Union and Greece (ΕΠΑνεΚ), Τ1ΕΔΚ-04440).
  - i-AMA: interpreting persons with disabilities (Co-funded by the European Union and Greece (ΕΠΑνεΚ)), Τ1ΕΔΚ-01675).
  - ICU-Cockpit: IT platform for multimodal patient monitoring and therapy support in intensive care and emergency medicine (Funded by the Swiss National Science Foundation, NRP75-Big Data).
  - SEMEOTICONS: SEMEiotic Oriented Technology for Individual's CardiOmetabolic risk self-assessment and Self-monitoring (FP7-ICT-2013-10-611516).
  - PredictES: An Integrated wearable platform predicting Epileptic Seizures and novel neuro-feedback approaches in support of personalized patient management (NSRF 2007-2013).
  - HERCULES: Medical Genetics and Biomedical Informatics Infrastructure in support of early diagnosis, monitoring and treatment of children with neurological disorders in Greece (EL0073-GAE-00048-E-V2-EEA FM 2009-2011).

**Other skills** Playing music (drums), woodworking, building tube HiFi amplifiers.

**Driving license** B