

Curriculum Vitae

Full name: Miltos Miltiadous

Business address: PO Box 12794, 2252 Latsia-Nicosia, Cyprus

Business phone: +35722411967

E-mail address: miltos.miltiadous@st.ouc.ac.cy



Education

■ 1998 – 2002.

- Hellenic Air Force Academy - Air Defense Controller – Pilot Officer. B.Sc. in Aviation Science.

■ 2007 – 2010.

- Open University of Cyprus – Faculty of Pure and Applied Sciences. Magister Scientiae in Information Systems.
 - Magister thesis.

Title:

«*Location and Orientation Based Tourist Services System*» (Deployed in Old Limassol). Design and implementation of the prototype system Point 2 Learn (P2L). (P2L demo version video: <https://www.youtube.com/watch?v=aRS78SUVCl8>)

Thesis related research fields:

- ↗ Design, integration and development of Geographic Information Systems (GIS) and mobile GIS
- ↗ Design and development of Information Systems (IS)
- ↗ Intelligent Location Based Services (LBS)
- ↗ Data Management (Geographic, Spatiotemporal and Multimedia Data) and Database Systems design and implementation
- ↗ Web services, Web server and mobile Client (Android OS) development
- ↗ Implementation of innovative mobile spatial interactive system (Mobile Physical Interaction paradigm) and Mobile Spatial 2D Pointing
- ↗ Mobile computing

■ 2015 – 2019 (expected).

- Doctorate in Information and Communication Systems (ICS) at Open University of Cyprus - Faculty of Pure and Applied Sciences. Thesis main research area: Geospatial thinking and reasoning, mobile interactive, learning/gaming tools.

Educational qualifications

■ June 2002. B.Sc. in «Aviation Science» of Hellenic Air Force Academy (Grade: Very Good – 79.801/100).

- May 2005. Official transcript from the Goldsmiths University of London (the external programme) for the successful completion of the first level of three levels total of the B.Sc. program in «Computing and Information Systems» which included the following full units:
 - ▲ Introduction to computing,
 - ▲ Mathematics for computing,
 - ▲ Introduction to Java and object oriented programming,
 - ▲ Information systems: Foundations of e-business.
- July 2010. Magister Scientiae in «Information Systems» of Open University of Cyprus (Grade: 84/100).

Technological skills

- **Programming languages**
 - Java
 - Ansi C
 - Android
 - Shell scripting
- **Database Management Systems**
 - MySQL
 - PostgreSQL and PostgreSQL/PostGIS
 - Android/SQLite and Android/Spatialite
 - Spatialite
- **Procedural and query languages**
 - PL/pgSQL
 - SQL
- **Integrated Development Environments**
 - Eclipse
 - Microsoft Visual Studio
 - Netbeans
- **Web design and Web application development**
 - HTML, JAVASCRIPT, CSS
 - PHP
 - REST
 - XML, JSON
 - WordPress
- **Web servers software and Web services development**
 - RESTlet Web framework
 - RESTful Web services
- **Ontology engineering**
 - Protégé ontology editor and framework
 - Sparql RDF query language
 - Apache/Fuseki Sparql server
- **Other skills**
 - Google Earth and Maps
 - Open Street Maps (OSM)
 - QGIS and GRASS

Personal skills

- Mother tongue: Greek
- Other language: English. GCE O' Level English Language, Grade C (CEFR B2)

Research interests

- Location Based Services (LBS) and Context Awareness Services

- Geoinformatics, Geospatial Data and Databases
- Geographic Information Systems (GIS), mobile GIS, Geographic Information (GI) Science
- Geospatial learning, thinking, reasoning, cognition and visual-spatial thinking
- Spatial Contextual Awareness, Geographic Awareness and Ubiquitous Geographic Information (UBGI)
- Gamification of LBS & GIS
- Mobile Spatial 2D & 3D Pointing (MSP)
- Mobile & Wearable computing and engineering
- Mobile and Ubiquitous learning/gaming (m and u-learning/gaming)

Honors - Awards

- October 2010. CYTA-OUC award. *Excellent in performance* student of the program «Information Systems» (2007-10).
- May 2011. Research Promotion Foundation of Cyprus First Commendation (3rd place) for the research project «*Location and Orientation Based Tourist Services System (Deployed in Old Limassol)*», at the graduate students level of the undergraduate and graduate students multidisciplinary contest «Students in Research – ΦΟΙΤΩ (Study)» for the academic year 2009-2010.

Projects

Empowering the School IT infrastructures for the implementation of Sustainable Instructional Patterns (eSIT4SIP, Erasmus+, 2015-18).

Talks - Presentations

Presentation of the research work “Intelligent Location Based Services and intelligent mobile GIS: Mobile tourism and the system Point to Learn” at the symposium on “Applications of GIS in Cyprus” (8-9 October 2014, Nicosia-Cyprus).

Publications - Research work

- Mavroudi, Anna, Miltos Miltiadous, Paul Libbrecht, Wolfgang Müller, Thanasis Hadzilacos, Nuno Otero, Karl Barth, and Koula Georgiou. 2016. “Let Me Do it: Towards the Implementation of Sustainable Instructional Patterns.” Poster presented at the 16th IEEE International Conference on Advanced Learning Technologies, ICALT 16, Austin, Texas, July 25-28.
- Miltiadous, Miltos, Thanasis Hadzilacos, and Dimitrios Skarlatos. 2016. “One size does not fit all: there is no single optimal algorithm for mobile spatial pointing”. (Submitted) Journal of Location Based Services (JLBS).

Professional experience

- 2005 – present. Freelance Software Engineer and Developer.
- 2010 – present. Freelance GeoInformatics Engineer.
- 2014 – 2015. Research fellow at Photogrammetric Vision Lab (Department of Civil Engineering and Geomatics - Cyprus University of Technology).
- 2015 – present. Doctoral researcher at Open University of Cyprus – Faculty of Pure and Applied Sciences.
- 2015 – present. Research Fellow at Educational Technology Lab - Open University of Cyprus.
- 2015 – present. Special Scientist in eSIT4SIP Erasmus+ project – Open University of Cyprus.

