



## Europass Curriculum Vitae

## Academic Profile

### Personal information

First name(s) / Surname(s) **CONSTANTINIDES Andreas**  
Address(es) Flat 101, 12 Evripidou str., Engomi, CY-2413, Nicosia, Cyprus  
Telephone(s) (+357)22-356956 Mobile: (+357)99-430830  
E-mail com.ca@fit.ac.cy  
Nationality Cypriot  
Date of birth 28<sup>th</sup> August 1979  
Gender Male

### Work experience

Dates September 2009 - Present  
Occupation or position held Visiting Lecturer  
Main activities and responsibilities Lectured the following courses to undergraduate (Electrical engineering, Computer engineering and Computer Science) students: Data Communications and Computer Networks, Local and Metropolitan Area Networks, Interconnection Networks, Object-Oriented Programming (Java), Programming Principles (C), Programming Principles I (C++), Programming Principles II (C++), Computer Programming for Engineers (VB .NET), Assembly Programming Language, Computer Application Packages, Word Processing and Technical Report Writing.  
Name and address of employer Frederick University  
Dates September 2009 – Present  
Occupation or position held Special Scientist  
Main activities and responsibilities Assisted Databases laboratory (Relational Algebra, SQL).  
Provided in-class support to undergraduate students.  
Graded assignments on database management systems.  
Name and address of employer University of Cyprus  
Dates October 2005 – January 2009  
Occupation or position held Teaching Assistant  
Main activities and responsibilities Assisted Java Software laboratory.  
Provided in-class support to MSc-year engineering students.  
Graded assignments on programming and drafting.  
Name and address of employer University of Essex  
Dates June 2005 – September 2005  
Occupation or position held Tutor  
Main activities and responsibilities Lectured Java Programming language to undergraduate engineering students.  
Name and address of employer Computer International Institute  
Dates June 2004 – September 2004  
Occupation or position held Part-time technician engineer  
Main activities and responsibilities Troubleshooting and support  
Name and address of employer Cyprus Telecommunication Authorities (CYTA)

## Education and training

Dates	October 2005 – September 2009
Title of qualification awarded	<b>PhD in Computer Science and Engineering</b>
Principal subjects/occupational skills covered	My research focussed on Multi-objective Optimization, Wireless Sensor Networks, Evolutionary Computation, Heuristic and Metaheuristic Search, Constraint Handling
Name and type of organisation providing education and training	University of Essex, (UoE), Colchester, Essex, UK
Dates	October 2004 – June 2005
Title of qualification awarded	<b>MSc (<i>Distinction</i>) in Computer and Information Networks</b>
Principal subjects/occupational skills covered	My dissertation focuses on Mobile Ad-hoc Networks and Routing Protocol Design. Courses covered include: Mobile Computing, Advanced IP-based Services, Advanced Transport Networks, Network Security, Mobile Communications, Pervasive Computing, Java Object Oriented Language and Ambient Intelligence.
Name and type of organisation providing education and training	University of Essex (UoE), Colchester, Essex, UK
Dates	September 2002 – June 2004
Title of qualification awarded	<b>BSc (<i>Honors</i>) in Electrical Engineering and Informatics (specialization in Computer Engineering)</b>
Principal subjects/occupational skills covered	My dissertation focuses on Intelligent and Non-intelligent agents, Routing and Mobile Networks. Courses covered include: Signals and Systems, Radio Systems, Telecommunications, Network Theory, Computer Systems, Computer Architectures, C Programming Language, Java Object Oriented Language and Microelectronics.
Name and type of organisation providing education and training	Budapest University of Technology and Economics (BUTE), Budapest, Hungary.
Dates	September 1997 – June 2000
Title of qualification awarded	<b>Diploma of Technician Engineer in Electrical Engineering</b>
Principal subjects/occupational skills covered	My dissertation focuses on electronic devices. Courses covered include: Engineering Mathematics, Physics, Computer Programming, Numerical Methods and Computing, Electronic Engineering, Communication Engineering, Digital Electronics, Power Electronics and Data Communications.
Name and type of organisation providing education and training	Higher Technical Institute (HTI), Nicosia, Cyprus.
Dates	August 2000 - September 2000
Title of qualification awarded	Technician trainee
Principal subjects/occupational skills covered	Troubleshooting and support on external computer hardware.
Name and type of organisation providing education and training	Xerographic Systems LTD, Nicosia, Cyprus
Dates	July 2000 - August 2000
Title of qualification awarded	Technician trainee
Principal subjects/occupational skills covered	Troubleshooting and support on medical instruments.
Name and type of organisation providing education and training	Medisell CO LTD, Nicosia, Cyprus
Dates	June 2000 - July 2000
Title of qualification awarded	Technician trainee
Principal subjects/occupational skills covered	Troubleshooting and support on communication and network devices.
Name and type of organisation providing education and training	SITA, Nicosia, Cyprus

Dates	June 1999 - September 1999
Title of qualification awarded	Technician trainee
Principal subjects/occupational skills covered	Troubleshooting and support on electrical and electronic devices
Name and type of organisation providing education and training	DEI, Athens, Greece
Dates	June 1998 - September 1998
Title of qualification awarded	Technician trainee
Principal subjects/occupational skills covered	Troubleshooting and support on communication and network devices.
Name and type of organisation providing education and training	Golden Telecom, Nicosia, Cyprus
<b>Awards, Scholarships and Funding</b>	<p>Congress on Evolutionary Computation Student Scholarship by the IEEE Computational Intelligence Society, 2009.</p> <p>Research Endowment Fund for remarkable achievements in 1st year PhD studies, Electronic Systems Engineering Department, University of Essex, 2006–2008.</p> <p>Postgraduate Research Scholarship, Electronic Systems Engineering Department, University of Essex,, 2005–2008.</p> <p>University of Essex Scholarship, University of Essex, 2005–2008.</p> <p>Engineering and Physical Sciences Research Committee Fund (EPSRC), 2005–2008.</p> <p>Reduction of fees, Budapest University of Technology and Economics, January–June, 2004.</p> <p>Certificate of Merit, Faculty of Electrical Engineering and Informatics, Budapest University of Technology and Economics, 2004.</p> <p>Student of the year, Faculty of Electrical Engineering and Informatics, Budapest University of Technology and Economics, 2004.</p> <p>Reduction of fees, Budapest University of Technology and Economics, September–December, 2003.</p> <p>Reduction of fees, January–June, Budapest University of Technology and Economics, 2003.</p> <p>Certificate of Merit, Faculty of Electrical Engineering and Informatics, Budapest University of Technology and Economics, 2003.</p> <p>Student of the year, Faculty of Electrical Engineering and Informatics, Budapest University of Technology and Economics, 2003.</p>

## Publications

### Journal Publications

Andreas Konstantinidis and Kun Yang, "Multiobjective K-Connected Deployment and Power Assignment in WSNs using a Problem-specific Constrained Evolutionary Algorithm based on Decomposition", *Computer Communications*, 2011. (to appear)

Andreas Konstantinidis, Kun Yang, Qingfu Zhang and Demetrios Zeinalipour-Yazti, "A Multi-Objective Evolutionary Algorithm for the Deployment and Power Assignment Problem in Wireless Sensor Networks", *SI-New Network Paradigms, Computer Networks*, 2010.

Andreas Konstantinidis, Kun Yang, Hsiao-Hwa Chen and Qingfu Zhang, "Energy Aware Topology control for Wireless Sensor Networks Using Memetic Algorithms", *Computer Communications*, vol. 30, no. 14-15, pp. 2753-2764, 2007.

### Conference Publications

Andreas Konstantinidis, Demetrios Zeinalipour-Yazti and Kun Yang "Socially-aware Query Routing in Mobile Networks", *Hellenic Data Management Symposium, Ayia Napa, Cyprus* 2010.

Andreas Konstantinidis, Christoforos Charalambous, Aimin Zhou and Qingfu Zhang, "Multi-objective Mobile Agent-based Sensor Network Routing using MOEA/D", *IEEE World Congress on Computational Intelligence (CEC'10), Barcelona, Spain*, 2010.

Alexandros Agapitos, Andreas Konstantinidis, Haris Charalambous and Harris Papadopoulos "Evolutionary Prediction of Total Electron Content over Cyprus", *Artificial Intelligence Applications & Innovations, Springer, Ayia Napa, Cyprus* 2010.

Aimin Zhou, Andreas Konstantinidis and Qingfu Zhang, "Parameter Evolution for a Particle Swarm Optimization Algorithm", *International Conference on Swarm Intelligence, Beijing, China*, 2010

Andreas Konstantinidis, Kun Yang, Qingfu Zhang and Fernando Gorgejuela- Sanchez, "Multiobjective K-connected Deployment and Power Assignment in WSNs using constraint handling", *Topology Management, IEEE Global Communications Conference, GlobeCom'09, Honolulu, Hawaii, USA* 2009.

Andreas Konstantinidis, Qingfu Zhang and Kun Yang, "A Subproblem-dependent Heuristic in MOEA based on Decomposition for the Deployment and Power Assignment Problem in Wireless Sensor Networks", *IEEE Congress on Evolutionary Computation, CEC'09 Evolutionary Optimization, Trondheim, Norway, March*, 2009.

Andreas Konstantinidis, Kun Yang and Qingfu Zhang, "Problem-specific Encoding and Genetic Operation for a Multi-Objective Deployment and Power Assignment Problem in Wireless Sensor Networks", *IEEE International Conference on Communications, ICC'09 AHSN, Dresden, Germany, June* 2009.

Andreas Konstantinidis and John Oyekan, "Hierarchical Sensor Network Planning using a bio-inspired Hyperheuristic", *PhD Computer science and Electronic Engineering Conference (PhD CEEC '09), In Proc. of the School of Computer Science and Electronic Engineering Technical Report Series*, 2009.

Alexandros Agapitos, Julian Togelius, Simon M. Lucas, Jurgen Schmidhubers and Andreas Konstantinidis. "Generating Diverse Opponents with Multiobjective Evolution", *IEEE Computational Intelligence and Games, CIG'08, Perth, Australia, 15 Dec.* 2008.

Andreas Konstantinidis, Kun Yang and Qingfu Zhang, "An Evolutionary Algorithm to a Multi-Objective Deployment and Power Assignment Problem in Wireless Sensor Networks", *IEEE Global Communications Conference, GlobeCom'08, New Orleans, USA, 30 Nov.* 2008.

Andreas Konstantinidis, Qingfu Zhang, Kun Yang and Ian Henning, "On Energy Aware Topology control of Sensor Networks Using Modern Heuristics", *IEEE Global Communications Conference, GlobeCom'06, WSN 19-5, pp. 1-5, San Francisco, USA, Nov.* 2006.

USA, Nov. 2006.

## Professional Organizations

IEEE – Member

Scientific Technical Chamber of Cyprus - Member

**Professional Services**

Journal referee

IEEE Transactions on Evolutionary Computation-IEEE TEC.  
 IEEE Transactions on Systems, Man, and Cybernetics-Part B.  
 Journal of Artificial Evolution and Applications, JAEA.  
 IEEE Communication Letters.  
 Computer Communications, Elsevier.  
 International Journal of Communication Systems, IJCS

Conference referee

International Conference on Web-Age Information Management, Microsoft Research  
 IWCMC Wireless Ad Hoc and Sensor Networks.  
 IEEE Global Communications Conference, GlobeCom.  
 International Conference on Evolvable Systems, ICES.  
 IEEE International Conference on Communications, ICC.  
 International Conference in Intelligent Computing (ICIC).  
 Computer science and Electronic Engineering Conference.  
 Euro-par International Conference on Parallel Computing.  
 Artificial Intelligence, Applications and Innovations, AIAI

Committees

**Program Committee:** International Conference on Communications and Mobile Computing (CMC 2011), Qingdao, China, 2011.  
**Advisory & Program Committees:** PhD Computer science and Electronic Engineering Conference 2010 (PhD CEEC10), School of Computer Science and Electronic Engineering, University of Essex, UK, 2010.  
**Program Committee:** Artificial Intelligence, Applications and Innovations, Ayia Napa, Cyprus, October, 2010.  
**Founding member, organizing committee:** PhD Computer science and Electronic Engineering Conference 2009 (PhD CEEC09), School of Computer Science and Electronic Engineering, University of Essex, UK, 2009.  
**Session Chair:** Evolutionary Multi-objective Optimization (EMO) session, IEEE Congress on Evolutionary Computation, Trondheim, Norway, 2009.

**Civil Services**

Nominated as officer (ranked 6th).  
 Awarded the position of army cadet, Tank Military School, Avlona, Greece, 2000.  
 Awarded the position of second-lieutenant, Tank Brigade, Nicosia, Cyprus, 2002.

**Personal skills and competences**

Mother tongue(s)

**Greek**

Other language(s)

**English**

Self-assessment

European level (\*)

**English**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user

(\*) [Common European Framework of Reference for Languages](#)

**Organisational skills and competences**

Founding member, organizing committee: PhD Computer science and Electronic Engineering Conference 2009 (PhD CEEC09), School of Computer Science and Electronic Engineering, University of Essex, UK, 2009.

Session Chair: Evolutionary Multi-objective Optimization (EMO) session, IEEE Congress on Evolutionary Computation, Trondheim, Norway, 2009.

**Technical skills and competences**

Extensive hardware and software experience in networking and information technology.

Computer skills and competences

Web designer: (1) [www.eumap-consulting.eu](http://www.eumap-consulting.eu), EU MAP Consulting Co., London, UK,  
(2) [www.softteleia.com.cy](http://www.softteleia.com.cy), SOFTTELEIA CO., Limassol, Cyprus  
(3) [www.saloninternational.com.cy](http://www.saloninternational.com.cy), Nicosia, Cyprus

Database designer for Cyprus Land Development Corporation, Nicosia, Cyprus.

Matlab experience: linear algebra, nonlinear numerical methods, polynomials, statistics, visualization.

Matlab toolboxes: communications, genetic algorithm and direct search.

Programming: Java, C, C++, C#, Pascal, Fortran, Assembly, PHP, Visual Basic and others.

Applications: TEX, LATEX, BibTEX, Macromedia Flash MX, Microsoft Office and other common productivity packages for Windows and Linux platforms.

Databases, middlewares and APIs: SQL, MySQL, MS Access, Corba, RMI, JDBC, ODBC.

Operating Systems: Windows Vista/XP/2000, Linux and other UNIX variants.