

CURRICULUM VITAE

CHARALAMPOS CH. STERGIOPOULOS ROUBAS

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STUDIES

- **2007** - Electronic Engineer (BSc), Dept. of Electronics, Technological Educational Institution (T.E.I.).

Undergraduate project: A web based geoenvironmental data exchange information system.

POSTGRADUATE STUDIES

- **2008** - MSc in Data Communication Systems, University of Brunel, West London.

MSc dissertation: “WiMAX Relay Station Design and Simulation”

The proposed project examined relay station implementations for WiMAX as this technology is the currently most advanced wireless technology available for deployment, and many of its aspects are likely to be implemented in any 4G wireless technology. Relay stations standardization has already commenced by the IEEE under the 'Multi-hop Relay Task Group' also known as 802.16j task group. The intention of this project proposal is to overview the so far activities of this standard process design and simulate a WiMAX relay system.

FOREIGN LANGUAGES

- English (Certificate of Proficiency, University of Cambridge – December 1991)
 - French (Sorbonne I – September 1991)
 - Italian (Celi I – September 1999)
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PARTICIPATION IN RESEARCH PROJECTS

01/06/1998 - 30/06/2000

“Promotion and improvement of education and vocational training within the framework of lifelong learning for the Dept. of Electronics of T.E.I. of Athens-EPEAEK I”, Supervisor: Prof. K. Nomicos

01/01/2001 - 31/05/2001

“Unifying wireless access of DECT Technology to existing and future networks of OTE”, Supervisor: Prof. Lazaros Merakos.

01/02/2002 – 31/12/2003

"An advanced lightweight architecture for a Digital Library of scientific collections (ARION)", Sponsored by the E.U., Proposal: IST 2000 - III.1.4,

01/02/2002 – 31/01/2004

"Development and application of Validated Geophysical Ocean Wave Products from ENVISAT ASAR and RA-2 Instruments (ENVIWAVE)", Sposored

	by the E.U., EESD ,
<i>15/03/2002 – 31/07/2002</i>	“Interaction of surface an acoustic waves in sea environment”, Sponsored by the Hellenic Navy.
<i>01/01/2002 – 31/03/2002</i>	”Prediction of waves in the sea environment”
<i>01/06/2002 – 30/06/2002</i>	“Wave phenomena in nearshore and offshore environment”
<i>01/02/2004 – 31/05/2004</i>	“Promotion and improvement of education and vocational training within the framework of lifelong learning for the School of Naval Architecture & Marine Engineering of National Technical University of Athens – EPEAEK II.
<i>01/09/2003 – 31/12/2008</i>	“Promotion and improvement of education and vocational training within the framework of lifelong learning for the T.E.I. of Athens- EPEAEK II”, Supervisor: Prof. D. Triantis.
<i>14/10/2003 - 18/04/2004</i>	“Promotion and improvement of education and vocational training within the framework of lifelong learning for the Dept. of Electronics of T.E.I. of Athens- EPEAEK II”, Supervisor: Prof. E. Zervas
<i>01/03/2006 - 31/08/2006</i>	“Promotion and improvement of education and vocational training within the framework of lifelong learning for the Dept. of Health Visiting of T.E.I. of Athens- EPEAEK II”, Supervisor: G. Veskouki
<i>01/05/2003 - 31/12/2006</i>	“Promotion and improvement of education and vocational training within the framework of lifelong learning for the Dept. of Naval Architecture of T.E.I. of Athens- EPEAEK II”, Supervisor: K. Belibassakis.
<i>01/06/2006 – 30/06/2008</i>	“Methodology integration of EO techniques as operative tool for land degradation management and planning in Mediterranean - MILDMAP-MEDIA”, INTERREG IIIB ARCHIMED framework.
<i>01/01/2008 – today</i>	"Relay Based Wireless Network and Standard (REWIND)", Sponsored by the E.U. , Proposal: ICT 2008 – call 1, contract number: 216751. Supervisor K.

**PUBLICATIONS,
PARTICIPATIONS
IN
INTERNATIONAL
CONFERENCES**

- D. Triantis, **C. Stergiopoulos**, P. Tsiakas: «Comparison of oral examination and examination methods based on multiple choice questions using personal computers», Proceedings of the 1st International Conference on Computer Supported Education (CSEDU 2009), Lisbon, Portugal, Mar 23-26, 2009, Volume II, pp. 13-18.
 - **C. Stergiopoulos**, P. Tsiakas, D. Triantis, F. Vallianatos: «A web based geoenvironmental data exchange information system», Proceedings of the 7th WSEAS Int. Conf. on Artificial Intelligence, Knowledge Engineering And Data Bases (AIKED'08), University of Cambridge, UK, Feb 20-22, 2008, pp. 553-557.
 - Panagiotis Tsiakas, **Charalampos Stergiopoulos**, Drosos Nafpaktitis, Dimos Triantis, Ilias Stavrakas: « Computer as a Tool in Teaching, Examining and Assessing Electronic Engineering Students.», Proceedings of the IEEE-EUROCON 2007 (The International Conference on “Computer as a Tool”), Warsaw, Poland, September 9-12, pp. 2490-2497.
 - D. Nafpaktitis, D. Triantis, P. Tsiakas, **C. Stergiopoulos**: «Using New Technologies for Teaching Power Electronics and Assessing Students», Proceedings of the IEEE-ICELIE 2006 (First International Conference on E-Learning in Industrial Electronics), Hammamet – Tunisia, December 18 - 20, pp. 125 -129.
 - **C. Stergiopoulos**, P. Tsiakas, M. Kaitsa and D. Triantis. «Evaluating Electronic Examination Methods of Students of Electronics. Effectiveness and Comparison to the Paper-and-Pencil Method», IEEE International Conference on Sensor Networks, Ubiquitous, and Trustworthy Computing (SUTC 2006), June 5-7, 2006 Taichung, Taiwan, Book 2, pp. 143-149.
 - D. Triantis, C. Anastasiadis, P. Tsiakas. **Ch. Stergiopoulos**, M. Kaitsa : «Asynchronous teaching methods and electronics assessment applied to students of the module Physics of Semiconductor Devices », E-MRS 2006 Spring Meeting, Nice, France, May 29 to June 2, 2006, (Abstract ID: MKHYV)
 - **C Stergiopoulos**, P. Tsiakas, M. Kaitsa, D. Triantis, I. Fragoulis and C. Ninos: «Methods of Electronic Examination Applied to Students of Electronics. Comparison of results with the conventional (paper-and-pencil) method», Proceedings of the 2nd International Conference on Web Information Systems and Technologies, 11-13 April 2006, Setúbal, Portugal, pp. 305-311
 - P. Tsiakas, **C. Stergiopoulos**, M. Kaitsa, D. Triantis. «New technologies applied in the educational process in the TEI of Athens. The case of “e-education” platform and electronic examination of students. Results.», Proceedings of the 2005 5th WSEAS International Conference on Distance Learning and Web Engineering (DIWEB '05), Corfu, Greece, August 23-25 2005, pp. 238-242.
 - D. Triantis, I. Stavrakas, P. Tsiakas, **C. Stergiopoulos**, D. Ninos. «A pilot Application of Electronic Examination Applied to Students of Electronic Engineering: Preliminary Results.», Proceedings of the 2004 5th WSEAS International Conference on Engineering Education (EE '04), Venice, Italy, November 15-17 2004, pp. 26-30.
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PUBLICATIONS IN JOURNALS

- D. Triantis, C. Anastasiadis, P. Tsiakas, **Ch. Stergiopoulos**, «Asynchronous Teaching Methods And Electronic Assessment Applied To Students Of The Module “Physics Of Semiconductor Devices”», Journal of Materials Education Vol. 29 (1-2), pp. 133-140 (2007).
 - P. Tsiakas, **C. Stergiopoulos**, M. Kaitza, D. Triantis. «New technologies applied in the educational process in the TEI of Athens. The case of ‘e-education’ platform and electronic examination of students. Results.», Wseas Transactions On Advances In Engineering Education, Vol. 2, p. 192-196, July 2005.
 - D. Triantis, I. Stavrakas, P. Tsiakas, **C. Stergiopoulos**, D. Ninos. «A pilot Application of Electronic Examination Applied to Students of Electronic Engineering: Preliminary Results.», Wseas Transactions On Advances In Engineering Education, Vol. 1, p.26-30, November 2004.
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CITATIONS

- Huang, F.-M., Lan, C.-W., Yang, S.J.H. QoS-based learning services composition for ubiquitous learning (2008) Proceedings - IEEE International Conference on Sensor Networks, Ubiquitous, and Trustworthy Computing
 - Lo Bello, L., Mirabella, O., Raucea, A. Design and implementation of an educational testbed for experiencing with industrial communication networks (2007) IEEE Transactions on Industrial Electronics
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PREVIOUS EMPLOYMENT

- 1992 – 1999, Teaching courses on Computer Science “Xenopoulos” Highschool.
 - 1995 – 1999, IT instructor in “Systems Technology S.A.”
 - 1995 – 1999, PC & Networks Technician in the technical dept. of “Systems Technology S.A.”
 - 1995 – 1999, Freelance programmer and web developer
 - 1998 – 2000, Programmer in the Dept. of Electronics of the T.E.I. of Athens.
 - 1999 – 2001, Military service, Hellenic Army, Logistics and Provisions Corps (Sergeant in reserve).
 - 2001, Programmer in the Dept. of Informatics, University of Athens
 - 2001-2002, IT instructor in “Compact S.A.”
 - 2002 – 2004, Assistant researcher, Programmer and Web Developer, National Technical University of Athens.
 - 2003 – 2004, WEB developer in the Dept. of Electronics of the T.E.I. of Athens.
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PRESENT OCCUPATION

- 2004 – today, Assistant researcher, Software Engineer in the Technological Educational Institution (T.E.I.) of Athens.
- 2007 – today, Network and System Administrator, School of Naval Architecture & Marine Engineering, National Technical University of Athens.

- 2008 – today, Part time Laboratory Instructor (Undergraduate Module of Digital Electronic Circuits – Dept. of Electronics, T.E.I. of Athens)
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**RESEARCH
INTERESTS**

- New technologies in education.
- Data communication networks
- Web services & applications