
CURRICULUM VITAE

Personal info	
Surname:	Vaios
Name:	Athanasios
Occupation:	Electrical and Computer Engineer
Date of birth:	01/01/1977
E-mail:	avaios@di.uoa.gr (1) athanasios.vaios@gmail.com (2)
Web page:	http://www.di.uoa.gr/~avaios

Education	
06/2002 – 11/2008 :	Dpt of Informatics & Telecom, University of Athens Ph.D. in Communications Systems and Networking
02/2000 – 04/2002:	Dpt of Informatics & Telecom, University of Athens MSc in Communications Systems and Networking
09/1994 – 10/1999:	School of Electrical & Computer Engineering, National & Technical University of Athens Diploma of Electrical & Computer Engineer

Professional experience	
09/2014 - : University of Athens	Instructional Laboratory Personnel <ul style="list-style-type: none"> •Communication Networks I Lab •Communication Networks I
12/2012 - : GRNET S.A.	Teleconference Engineer <ul style="list-style-type: none"> •Technical support and application development regarding the teleconference service e:Presence
07/2007 – 08/2014: University of Athens	IT Engineer <ul style="list-style-type: none"> •Technical support and application development. •Networking Lab (Dpt of Informatics & Telecom)
05/2002 – 6/2007: University of Athens Dpt of Informatics & Telecom	Researcher in Communication Systems and Networking <ul style="list-style-type: none"> •PENED Research Program co-funded by the General Secretariat for Research and Technology and the European Community focusing on the incorporation of multi-hop short-range communication into infrastructure-assisted WLAN architectures. •IST FP6 Network of Excellence Programme “E-Next” focusing on developing cooperation links between the partners for studying quality of service issues for future wireless applications. •Research Programme IST “Broadway” focusing on the definition of the requirements of a newly introduced hybrid architecture (dual band system in a WLAN cell) and the study of MAC and routing algorithms applicable in the new system. •Research Programme IST “Bionets” focusing on the study of autonomous communication systems and the study of the performance of

	message spreading algorithms in delay-tolerant topologies.
04/2007 – 07/2007: Vodafone Technical Division	Telecom Engineer <ul style="list-style-type: none"> • Support of billing systems. • Development of new services.
10/2005 – 07/2006: Greek Army	Software engineer <ul style="list-style-type: none"> • Code development in C (Embedded SQL) for applications in Ingres and Oracle data bases
Teaching	
10/2009 – : University of Athens	Networking Lab (Dpt of Informatics & Telecom)
10/2007 – 05/2009: Institute of Continuing Education	Seminars in IT technologies and Programming
09/2007 – : Public Institutes of Vocational Training	Lectures in several classes regarding the Computer/Software Engineering and Telecommunications field.
02/2002 – 06/2008: University of Athens	Lectures within the framework of the postgraduate class “Advanced Networking Technologies”: <ul style="list-style-type: none"> • Routing algorithms for ad hoc networks. • IEEE 802.11, HiperLAN/2, Bluetooth.
10/2001 – 02/2002: University of Athens	Teaching assistant in Electronics Lab (Dpt of Informatics & Telecom)
Technical skills	
Operating Systems:	Windows, Unix/Linux.
Programming:	C, C++, HTML, SQL, Perl, Pascal.
Other:	MS Office, Latex, Matlab, NS-2.
Seminars	
06/2007:	Unix Shell Programming - HP
06/2007:	System Administration II - HP
Language skills	
Greek:	Native speaker
English:	Excellent command
French:	Good command
Other	
Reviewer in international scientific journals (IEEE/ACM ToN, IEEE JSAC, WiNET, MONET) and conferences (Infocom '03-'07, CoNEXT '05, ICNP '03-'05, REALMAN '05,	

WoWMoM '05, Networking '05, WiOpt '04-'05, QoFIS '05, MASS '04, Med-Hoc-Net '04, ASWN '04, PWC '03, ICC '03).
Publications
Journals
1. A. Panagakis, A. Vaios, Ioannis Stavrakakis, "On the Performance of Two-Hop Message Spreading in DTNs", Ad-Hoc Networks Journal , (to appear, available on-line, doi:10.1016/j.adhoc.2008.09.009).
2. A. Panagakis, A. Vaios, I. Stavrakakis, "Approximate Analysis of Short-Term Correlations in LRU", Computer Networks , Vol.52/6, Apr. 2008, pp. 1142-1152.
3. A. Vaios, K. Oikonomou, I. Stavrakakis, "Analysis of a Topology Control Paradigm in WLAN/WPAN Environments", Computer Communications , Vol. 29/11, pp 2096-2108.
4. A. Vaios, K. Oikonomou, N. Zinelis, I. Stavrakakis, "Increasing Capacity in Dual-Band WLANs through Ad-hoc Networking", International Journal of Wireless and Mobile Computing (IJWMC) , Special Issue on Wireless Ad Hoc Networking (to appear).
Conferences
5. A. Panagakis, A. Vaios and I. Stavrakakis, "Study of Two-Hop Message Spreading in DTNs", 5th Intl. Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt), April 16-20, 2007, Limassol, Cyprus.
6. A. Panagakis, A. Vaios and I. Stavrakakis, "On the Effects of Cooperation in DTNs", The Second IEEE/Create-Net/ICST International Conference on COMMunication System softWAre and MiddlewaRE (COMSWARE), January 7-12, 2007, Bangalore, India.
7. A. Vaios and I. Stavrakakis, "Triggering Wireless Network Flashes", CoNext 2005 , Student Workshop, October 24-27, Toulouse, France.
8. A. Vaios, K. Oikonomou, N. Zinelis, K. Ntagkounakis and I. Stavrakakis, "On Supporting Dual-Mode HiperLAN/2: Architecture and Overhead", 13th IST Mobile & Wireless Communications Summit 2004, June 27-30, Lyon, France.
9. A. Vaios, K. Oikonomou, S. Simoens, P. Pellati and I. Stavrakakis, "A Dual-Band HiperLAN/2-based Architecture for Indoor Hotspot Applications", International Workshop on Wireless Ad-Hoc Networks (IWWAN) 2004, 31st May - 3rd June, 2004, Oulu, Finland.
10. K. Oikonomou, K. Ntagkounakis, A. Vaios, N. Zinelis and I. Stavrakakis, "Layered Architecture and Modules of CANA Supporting Dual Mode HiperLAN/2", International Workshop on Wireless Ad-Hoc Networks (IWWAN) 2004, 31st May - 3rd June, 2004, Oulu, Finland.
11. A. Vaios, N. Zinelis and I. Stavrakakis, "Employing Ad Hoc Networks in WLANs: Trade-offs and Insights", International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networking (NEW2AN'04), February 2-6, 2004, St. Petersburg, Russia.
12. A. Vaios and I. Stavrakakis, "IST Project:BroadWay - the Way to Broadband Access at 60 GHz", poster presentation in Personal Wireless Communications (PWC 2003), 23-25 September, Venice, Italy (abstract published in proceedings).
13. K. Oikonomou, A. Vaios, S. Simoens, P. Pellati and I. Stavrakakis, "A Centralized Ad-Hoc Network Architecture (CANA) Based on an Enhanced HiperLAN/2 System", Personal Indoor Mobile Radio Communications (IEEE PIMRC 2003), 7-10 September, Beijing, China.
14. A. Vaios, K. Oikonomou and I. Stavrakakis, "A Centralized Routing Scheme Supporting Ad Hoc Networking in Dual Mode HIPERLAN/2", IST Mobile & Wireless Communications Summit 2003, Aveiro, Portugal, 15-18 June 2003.
Books
15. Καθ. Ι. Σταυρακάκης, Δρ. Νάσος Βάιος, « Σημειώσεις Εργαστηρίου Δικτύων », Τμήμα Πληροφορικής & Τηλεπικοινωνιών, Πανεπιστήμιο Αθηνών.