

THEODOROS STRIGKOS

CONTACT INFORMATION	Electrical and Computer Engineering Department Carnegie Mellon University 5000 Forbes Avenue Pittsburgh, PA 15213	Email: strigkos AT cmu.edu URL: http://www.ece.cmu.edu/~tstrigko ☎: +1 (412) 268-9388
RESEARCH INTERESTS	Hardware platforms for real time dynamic program monitoring, mainly focusing on the Log-Based Architectures project (LBA – http://www.pittsburgh.intel-research.net/projects/lba/)	
EDUCATION	Fall 2006 – Present <i>Carnegie Mellon University (CMU)</i> Pittsburgh, Pennsylvania, USA Ph.D. Candidate in Electrical and Computer Engineering (Expected May 2012) Advisors: Professor Todd C. Mowry (tcm AT cs.cmu.edu) Professor Babak Falsafi (babak.falsafi AT epfl.ch)	
	Fall 2006 – Summer 2008 <i>Carnegie Mellon University</i> Pittsburgh, Pennsylvania, USA Master of Science in Electrical and Computer Engineering	
	Fall 2001 – Summer 2006 <i>National Technical University of Athens (NTUA)</i> Athens, Greece Diploma in Electrical and Computer Engineering GPA: 9.66/10. Ranked 1 st out of approximately 400 students Major: Computer Engineering and Computer Science Minor: Telecommunications and Computer Networks	
PUBLICATIONS	<i>Flexible Hardware Acceleration for Instruction-Grain Program Monitoring</i> S. Chen, M. Kozuch, T. Strigkos, B. Falsafi, P.B. Gibbons, T.C. Mowry, V. Ramachandran, O. Ruwase, M. Ryan and E. Vlachos In proceedings of the 35th International Symposium on Computer Architecture (ISCA 2008). Accepted in IEEE Micro Special Issue "Top Picks from Computer Architecture Conferences" .	
	<i>Log-Based Architectures: General-Purpose Program Monitoring Using Idle Cores</i> S. Chen, B. Falsafi, P.B. Gibbons, M. Kozuch, T.C. Mowry, M. Ryan, R. Teodorescu, A. Ailamaki, L. Fix, G.R. Ganger, B. Lin, O. Ruwase, T. Strigkos and E. Vlachos. Intel Research Pittsburgh Tech Report TRP-08-02.	
RESEARCH EXPERIENCE	Fall 2006 – Present <i>Carnegie Mellon University</i> Pittsburgh, Pennsylvania, USA Graduate Research Assistant at the Computer Architecture Lab at Carnegie Mellon (CALCM) Advised by Profs. Todd C. Mowry and Babak Falsafi. Working on the Log-Based Architectures (LBA) project. <ul style="list-style-type: none">• Designed a hardware compression mechanism for LBA.• Implemented a monitoring tool that detects suspicious control flow changes.	
	Summer 2008 <i>CMU/Intel Research Pittsburgh</i> Pittsburgh, Pennsylvania, USA CMU/Intel Summer Fellow Mentored by Drs. Shimin Chen and Michael Kozuch. Worked on stability analysis of the structures maintained by dynamic program monitoring tools.	
	Summer 2007 <i>Intel Research Pittsburgh</i> Pittsburgh, Pennsylvania, USA Summer Intern Mentored by Drs. Shimin Chen and Michael Kozuch. Designed a hardware acceleration mechanism for LBA.	
	Fall 2005 – Summer 2006 <i>National Technical University of Athens</i> Athens, Greece Implemented a mobile application that estimates the position of the user based on the cellular network and accompanying Location-Based Service.	

TEACHING EXPERIENCE	Fall 2009	<i>ECE Department / CS Department</i>	Carnegie Mellon University
	Teaching Assistant for 18-740/15-740 “ Graduate Computer Architecture ”.		
	<i>Current Semester</i>		
	Spring 2009	<i>ECE Department</i>	Carnegie Mellon University
	Teaching Assistant for 18-741 “ Graduate Computer Architecture ”.		
	Guided student teams on their class projects, assigned and graded midterms and student homework, held office hours, proctored midterms.		
	Spring 2003 – Spring 2005	<i>ECE Department</i>	National Technical University of Athens
	Teaching assistant for first-year programming courses “ Introduction to Programming ” (Fall semesters) and “ Programming Techniques ” (Spring semesters).		
	Held office hours and proctored exams.		
PROFESSIONAL EXPERIENCE	Summer 2005	<i>Public Power Company of Greece</i>	Piraeus, Greece
	Summer internship at the Department of Network Research and Development .		
SELECTED HONORS AND AWARDS	<ul style="list-style-type: none"> • CMU/Intel Summer Fellowship for summer 2008. • Fellowships, awards and scholarships from the National Technical University of Athens, the Greek National Scholarship Foundation and the Technical Chamber of Greece for excelling during the undergraduate studies and graduating valedictorian. 		
PROGRAMMING SKILLS	<p>Proficient in C/C++, Java and Assembly.</p> <p>Experience with server programming and database management.</p>		
FOREIGN LANGUAGES	<ul style="list-style-type: none"> • Greek Native • English Fluent • French Intermediate • German Intermediate 	<ul style="list-style-type: none"> • Certificate of Proficiency in English, University of Cambridge • Certificate of Proficiency in English, University of Michigan • Diplôme d' Études en Langue Française 1er Degré, Ministère de l' Éducation National de la République Française. • Zertificat Deutsch als Fremdsprache (Grundstufe Sprachdiplom), Goethe Institut 	