

# NEKTARIOS N. LEONTIADIS

DATE OF BIRTH: 09/21/1983  
NATIONALITY: Greek

WEB: <http://www.leontiadis.info>  
VOICE : (+1) 412-450-0811

## EDUCATION

- **PhD candidate** Aug 2009 – Present  
**Carnegie Mellon University**, Department of Engineering and Public Policy
- **M.Sc., Information Systems** Dec. 2006  
**Athens University of Economics and Business**, Department of Computer Science
- **B.Sc., Computer Science** Jun. 2005  
**Athens University of Economics and Business**, Department of Computer Science
- **High School Diploma, Honors** Jun. 2001  
**4<sup>th</sup> High School of Kallithea, Athens**

## REFEREED PUBLICATIONS

### Conference Papers

- T. Moore, **N. Leontiadis** and N. Christin, "Fashion Crimes: Trending-Term Exploitation on the Web", 18th ACM Conference on Computer and Communications Security (CCS'11).
- **N. Leontiadis**, T. Moore and N. Christin, "Measuring and Analyzing Search-Redirection Attacks in the Illicit Online Prescription Drug Trade", 20th USENIX Security Symposium (USENIX'11).
- Nikos Kefalakis, **Nektarios Leontiadis**, John Soldatos, Didier Donsez, "Middleware Building Blocks for Architecting RFID Systems. MOBILIGHT 2009, Athens, Greece
- E. Polytarhos, **N. Leontiadis**, S. Eliakis, K. Pramataris, "A Lookup Service in an Interconnected world of Uniquely Identified Objects", 13<sup>th</sup> IEEE International Conference on Emerging Technologies and Factory Automation (ETFA), Hamburg, Germany, September 2008.
- S. Eliakis & **N. Leontiadis**, "Employing REST Web Services to Support Unified RFID Reader Access in an Interoperable Environment", 4<sup>th</sup> RFID European Convocation, Brussels, Belgium, March 2007.

### Poster Papers

- **N. N. Leontiadis**, V. P. Kemerlis, P. A. Frangoudis, and G. C. Polyzos, "Secure Network Management Using a Key Distribution Centre," 14<sup>th</sup> HP Software University Association (HP-SUA) Workshop, Garching/Munich, Germany, July 2007.

### Demo Papers

- N. Kefalakis, **N. Leontiadis**, John Soldatos, Kiev Gama, Didier Donsez, "Supply Chain Management and NFC Picking Demonstrations using the AspireRfid Middleware Platform", Middleware 2008, Leuven, Belgium, December 2008.

## PROFESSIONAL EXPERIENCE

- **Research Assistant** *Carnegie Mellon University* Aug. 2009 – Present
- **Researcher** *Athens Information Technology (AIT)* Feb. 2008 – Jun. 2009
- **Researcher** *ELTRUN Research Center (AUEB)* Nov. 2006 – Jan. 2008
- **Systems administrator** *Athens University of Economics and Business* Nov. 2006 – Jan. 2008
- **IT Consultant** *Retail@Link* Jul. 2007 – Dec. 2007
- **Student Consultant** *Microsoft Hellas, Athens, Greece* Sep. 2005 – Sep. 2007
- **Systems administrator** *Athens University of Economics and Business* Sep. 2004 – Jun. 2005

## TEACHING EXPERIENCE

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- Teaching assistant for the course Information Warfare at Carnegie Mellon University Spring 2010
- Teaching assistant for the course Web Technologies at AIT Summer 2009
- Teaching RFID technology application programming at the AIT Executive Seminars 2008 & 2009
- Six week course "Introduction to the Java programming language" at AIT Summer 2008

## HONORS AND AWARDS

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- *Semifinal phase*, annual worldwide IEEE Computer Society International Design Competition (CSIDC). May 2005
- *Research Fellowship*, Institute for Research and Technology in Electronic Communication Networks (IRNET), Athens, Greece. Nov. 2004

## MASTER'S THESIS

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**Title:** Evaluation and implementation of RFID technologies and standards in the context of supply chain management.

**Advisor:** Dr. Katerina Pramatarı

Reviewed the RFID technology, its standards and usages. Concentrated in its use in the supply chain management. Implemented the Reader Protocol (EPCglobal) for two non-compliant RFID readers (Alien and Intermec). The implementation has been contributed to the Fosstrak project (<http://www.fosstrak.org>). The work has been partly funded by the European Commission through IST Project "SMART".

## B.SC. THESIS

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**Title:** Secure network management using a Key Distribution Center

**Advisor:** Prof. Theodore Apostolopoulos

Using Net-SNMP (an open-source implementation of SNMP protocol) and the MIT Kerberos libraries, I implemented a secure version of the SNMP protocol for use with versions 1 and 2c of the protocol, without actually altering the protocol specification. This work has been published as a poster paper at the 14th HP-SUA Workshop.

## SPECIAL PROJECTS

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- **StudentGuru** *Microsoft Hellas* Sep. 2005 – Sep. 2007  
StudentGuru is a web community targeted to the Greek academic society and especially to Computer Science and Electrical Engineering Departments' students. Founded StudentGuru, served as administrator, and sat on the board of directors. URL: <http://www.studentguru.gr>
- **BU.P.U.S.** *Athens University of Economics and Business* Dec. 2004 – May 2005  
*Bus Positioning and Utilization System* (BU.P.U.S), the university's entry to the IEEE CSIDC 2005 competition, implemented a low-cost prototype system for providing route information to users of public means of transportation. The objective was to move optimally through town using bus proximity estimations that were based on live data. URL: [http://www.aueb.gr/users/gepap/project\\_bupus.htm](http://www.aueb.gr/users/gepap/project_bupus.htm)
- **Venus** *Athens University of Economics and Business* Sep. 2003 – Mar. 2008  
Venus is the web community of the Computer Science Department students, with over 1,000 registered users. Founded Venus, served as administrator, and sat on the board of directors. Tasks included setting up portal, forum, email, wiki, database, and file-transfer software, as well as daily administration tasks and moderation of forum discussions. URL: <http://venus.cslab.aueb.gr>