Angelos Vlavianos

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Education

2006 - present:	PhD in Computer Science (current GPA: 3.9), Department of Computer Science and Engineering, University of California Riverside, USA
2004 - 2006:	Master of Science in Computer Science, Department of Computer Science and Engineering, University of California Riverside, USA; *"Assessing BitTorrents Ability to Support Streaming Applications"*, Supervised by M. Faloutsos
1999 - 2004:	Five-year Diploma in Department of Electronics and Computer Engineering, Technical University of Crete, Greece; **Finished 1st with grade 8.74 / 10 (Excellent)**; Diploma Thesis: *"Design and Performance Evaluation of an algorithm, for providing Differentiated Services for Video, Voice and Data Applications over IEEE 802.11e WLANs"*, Supervised by M. Paterakis

Research Interests

My research interests include rate control and routing algorithms in wireless networks, designing algorithms for dynamic spectrum allocation and opportunistic spectrum access using Cognitive Radio technologies for the networks of the future, Wireless Sensor Networks, cellular radio network planning and optimization, and P2P Streaming technologies

Publications

- *"Routing with the highest sustainable throughput on the mesh links. The importance of estimating link qualities"*. **A. Vlavianos**, L.K. Law, M. Faloutsos and S. Krishnamurthy, Work in progress.

- *"BiToS: Enhancing BitTorrent for Supporting Streaming Applications"*. **A. Vlavianos**, M. Iliofotou and M. Faloutsos, 9th IEEE Global Internet Symposium 2006 (in Conjunction with IEEE INFOCOM 2006).

- *On the MAC Layer Performance of Time-Hopped UWB Ad Hoc Networks"*, I. Broustis, **A. Vlavianos** and S. Krishnamurthy, International Conference on Computer Communications and Networks (ICCCN) 2006.

Work Experience

Research Assistant   **Summer 2006 − Present.**
Networking Lab, CS Dept.   Univ. California Riverside
Advisors: Michalis Faloutsos and Srikanth Krishnamurthy

Teaching Assistant
Computer Science & Engineering Dept.   Univ. California Riverside
Effective Use of World Wide Web (Summer 2006)
Introduction to Data Structures And Algorithms (Winter 2006)
Computer Networks (Spring 2006, Spring 2005, Fall 2005)
Introduction to Computer Science I (Fall 2004, Winter 2005)

Network Administrator   **Jan. 2003 − Jul. 2004.**
Network Operation Center − Technical   Chania - Greece.
University of Crete

Undergraduate Engineer with task to support the internal wired / wireless network of the campus

System Administrator **Jan. 2002 – Jan. 2003.**
Information Systems Center – Technical Chania - Greece.
University of Crete
Undergraduate Engineer with task to support the workstations / printers of the Information Systems Center Domain

COMPUTER -
RELATED
SKILLS
Programming Languages: C/C++, Python, Bash scripting, Matlab, experience with NS-2 network simulator, VHDL, SQL
Software and CAD tools: Visual Studio, MS SQL Server, Photoshop, LATEX, MS Office, Altera MaxPlus II, Electric
Operating Systems: Linux, MS Windows, MAC OS

HONORS -
DISTINCTIONS
- Outstanding Teaching Assistant Award, Computer Science, Univ. California Riverside, Academic year 2005 - 2006, awarded only the 2 best TAs

- Gerondelis Foundation Graduate Scholarship, Academic year 2005 - 2006

- Dean's Fellowship (2004 - 2006), Dept. of Computer Science, College of Engineering, Univ. California Riverside

- Award for graduating 1st from Electronics and Computer Engineering Dept. of the Technical University of Greece, State Scholarship Foundation of Greece, 2004

- "The Aglaia Sarri Memorial Award" in Recognition of the Outstanding Efforts and Performance for the students of the Technical University of Crete, Institution "Paideia Foundation", Academic year 2001 - 2002

- Award for academic excellence, State Scholarship Foundation of Greece, Academic years 1999 - 2000, 2002 - 2003, 2003 - 2004

- Award for academic excellence, Technical Chamber of Greece, Academic year 1999 - 2000

GRADUATE
COURSEWORK
Advanced Computer Networks, Network Routing, Wireless Networks and Mobile Computing, Performance Evaluation of Computer Networks, Seminar in Computer Networks, Distributed Systems, Seminar in Distributed Systems, Design and Analysis of Algorithms, Database and Management Systems, Data Mining Techniques.

RELEVANT
GRADUATE
PROJECTS
- **A. Vlavianos**, J. Mena, *"**Historian:** A learning based Distributed Algorithm for Opportunistic Spectrum Access"*, September 2005 - December 2005

- I. Broustis, **A. Vlavianos**, *"Capacity Bounds of Impulse-Based UWB Ad Hoc Networks: The Impact of Multipath Delay Spread"*, March 2005 – June 2005

- **A. Vlavianos**, A. Banerjee, *"Dynamic Spectrum Allocation for Maximal Frequency Reuse"*, January 2005 – March 2005

- **A. Vlavianos**, E. Gelal, I. Drougas, *"A Measurement Study: UDP vs. TCP Performance in Congested Routers"*, October 2004 – December 2004

FOREIGN
LANGUAGES
English (Cambridge Proficiency in English), German (Grundstufe Degree), Greek (mother language)

REFERENCES
Availiable upon request