

Evangelia Skiani

CONTACT INFORMATION	500 W 120 ST Department of Electrical Engineering Columbia University New York, NY 10027 USA	Cell: (+1) 347-263-0491 E-mail: valia@ee.columbia.edu Web: http://www.ee.columbia.edu/~valia
RESEARCH INTERESTS	Retransmissions and failure recovery in communication networks, massively parallel computing, stochastic modeling of information systems, heavy-tailed traffic models, large deviations, social networking	
EDUCATION	Columbia University , New York, NY Ph.D. Candidate, Electrical Engineering, Fall 2011 (expected graduation: May 2015) <ul style="list-style-type: none">• Dissertation Topic: “Retransmission Induced Instabilities in Large-Scale Networks”• Advisor: Predrag Jelenković M.S., Electrical Engineering, May 2011 <ul style="list-style-type: none">• GPA: 4.08/4.00 National Technical University of Athens , Athens, Greece B.S., Electrical and Computer Engineering, October 2009 <ul style="list-style-type: none">• GPA: 9.50/10• Diploma Thesis: “Topology-Based Model for Network Modification & Applications in Social Networks”	
HONORS AND AWARDS	Microsoft Research Ph.D. Fellowship finalist, 2014 Greek State Scholarships Foundation Award & Scholarship, 2006, 2007, 2009 Eurobank FC Award & Scholarship: top of the class, High School, 2004	
ACADEMIC EXPERIENCE	Columbia University , New York, NY USA <i>Graduate Student</i> September, 2010 - present Includes current Ph.D research, Ph.D/Masters level coursework and projects. <i>Teaching Assistant</i> Wireless and Mobile Communications, EE6050. Fall 2011-14 Design Principles for Biological Circuits, EE6010. Spring 2011-13	
PUBLICATIONS	Predrag R. Jelenković, Evangelia D. Skiani, “ Instability of Sharing Systems in the Presence of Retransmissions ”, <i>Queueing Systems</i> (submitted), September 2014. Predrag R. Jelenković, Evangelia D. Skiani, “ Is Sharing with Retransmissions Causing Instabilities? ”, <i>In SIGMETRICS 2014</i> , pages 167-179, Austin, Texas, USA, June 2014. <i>SIGMETRICS Performance Evaluation Review</i> 42(1), pages 167-179. Predrag R. Jelenković, Evangelia D. Skiani, “ Uniform Approximation of the distribution for the number of Retransmissions of Bounded Documents ”, <i>In Proceedings of the 12th ACM SIGMETRICS/PERFORMANCE</i> , pages 101-112, London, UK, June 2012. Predrag R. Jelenković, Evangelia D. Skiani, “ Distribution of the Number of Retransmissions of Bounded Documents ”, <i>Journal of Applied Probability</i> 47(2), June 2015 (to appear), arXiv:1210.8421.	

Predrag R. Jelenković, Evangelia D. Skiani, “**Retransmissions over Correlated Channels**”, *In Proceedings of PERFORMANCE 2013*, Vienna, Austria, September 2013. *SIGMETRICS Performance Evaluation Review*, 41(2), pages 15-25.

Predrag R. Jelenković, Evangelia D. Skiani, “**Retransmission delays over Correlated Channels**”, *In Proceedings of the 17th INFORMS Applied Probability Conference*, San Jose, Costa Rica, July 2013.

Predrag R. Jelenković, Evangelia D. Skiani, “**Scheduling on a Channel with Failures and Retransmissions**”, *In Proceedings of INFORMS 2013*, Minneapolis, USA, October 2013 (invited talk).

Evangelia D. Skiani, Stelios A. Mitilineos, Stelios C.A. Thomopoulos, “**Study of the Performance of Wireless Sensor Networks Operating with Smart Antennas**”, *IEEE Antennas And Propagation Magazine*, July 2011.

WORK
IN PROGRESS

Predrag R. Jelenković, Evangelia D. Skiani, “**Alleviating Instabilities in the Presence of Retransmissions.**”

PROFESSIONAL
EXPERIENCE

Microsoft Research, Redmond, WA USA

Research Intern

May, 2014 - August, 2014

Battery life enhancement via power surge-aware scheduling algorithms, analysis and implementation of multi-battery systems in mobile devices.

Bell Laboratories, Murray Hill, NJ USA

Research Intern

June, 2013 - August, 2013

Design and analysis of algorithms for sponsoring content on mobile devices.

National Centre of Scientific Research, ‘Demokritos’, Agia Paraskevi, Athens, Greece

Junior Researcher

March, 2010 - August, 2010

Simulation, modeling and performance evaluation of wireless networks equipped with smart antennas.

Site Owners, Athens, Greece

Web Developer

April, 2009 - October, 2009

Web development and platform content management.

COMPUTER SKILLS

- Programming Languages: C, C#, Java, Pascal
- Assembly Languages: x86, AVR, MIPS
- Web Languages: HTML, XML, Javascript
- DB/DBMS: SQL, SQL Server
- Mathematical Tools: MATLAB, R, Mathematica
- Other/IDEs: L^AT_EX, Visual Studio, Eclipse, NetBeans, Apache Tomcat, Spice
- Operating Systems: GNU/Linux, Windows 8/7/Vista/XP/2000, MacOS X

LANGUAGES

Greek: Native

English: Excellent

French: Basic

EXTRACURRICULAR

INTERESTS

traveling, working out, movies, music, swimming, watching soccer

LIST OF GRADUATE
COURSES AT CU

E4060	INTRODUCTION TO GENOMIC INFORMATION SCIENCE	A
E6010	DESIGN PRINCIPLES FOR BIOLOGICAL CIRCUITS	A+
E6613	OPTIMIZATION I	A
E6711	STOCHASTIC MODELS IN INFORMATION SYSTEMS	A
E6712	STOCHASTIC MODELING II	A-
E6950	WIRELESS & MOBILE NETWORKING	A+
E6998	ANALYSIS OF SOCIAL INFORMATION NETWORKS	A+
E6737	BIOMETRICS	A
E6898	FROM DATA TO SOLUTIONS	A
E6232	ANALYSIS OF ALGORITHMS II	A
E8100	BRANCHING PROCESSES AND APPLICATIONS	A
E8100	STOCHASTIC MODELS IN SERVICE ENGINEERING	A
E8100	PERFORMANCE SCALING & ALGORITHMIC CHALLENGES	A
G4153	ANALYSIS & PROBABILITY I	A
G4153	PROBABILITY II	A-
G6503	STATISTICAL INFERENCE/TIME-SERIES MODELING	A+
W4231	ANALYSIS OF ALGORITHMS	A
W4761	COMPUTATIONAL GENOMICS	A
W6240	DATA MINING	A