

Vasileios Syrgkanis

- CONTACT INFORMATION 401 Columbia st.
Ithaca, NY, 14850 *Telephone:* 607-280-8704
E-mail: vasilis@cs.cornell.edu
Website: <http://www.cs.cornell.edu/~vasilis>
- RESEARCH INTERESTS My current research interests lie mainly in the area of Algorithmic Game Theory with a special focus on Auction Theory and in Computational Aspects of Games.
- EDUCATION **PhD in Computer Science** **August 2009 to present**
Cornell University, Department of Computer Science
- *Advisor:* Prof. Éva Tardos (<http://www.cs.cornell.edu/People/eva/eva.html>)
 - *Thesis Committee:* Larry Blume, Robert Kleinberg, Emin Gun Sirer
 - *GPA:* **4.052/4**
- Diploma in Engineering** **September 2004 to July 2009**
National Technical University of Athens, Greece
School of Electrical and Computer Engineering
- *Major:* Computer Science and Computer Engineering
 - *Minor:* Control Theory and Networks
 - *Thesis:* Equilibria in Congestion Game Models: Existence, Complexity and Efficiency
 - *Thesis Committee:* Stathis Zachos, Aris Pagourtzis, Dimitris Fotakis
 - *GPA:* **9.66/10, 10/10** (major GPA) (**top 1%**)
- PUBLICATIONS Vasilis Syrgkanis, Éva Tardos
Bayesian Sequential Auctions
13th ACM Conference on Electronic Commerce, EC 2012
- Renato Paes Leme, Vasilis Syrgkanis, Éva Tardos
Sequential Auctions and Externalities
23rd ACM Symposium on Discrete Algorithms, SODA 2012
- Renato Paes Leme, Vasilis Syrgkanis, Éva Tardos
The Curse of Simultaneity
3rd ACM Conference on Innovations in Theoretical Computer Science, ITCS 2012
- Vasilis Syrgkanis
The Complexity of Equilibria in Cost Sharing Games
Sixth Workshop on Internet & Network Economics, WINE 2010
- E. Bampas, A. Pagourtzis, G. Pierrakos, V. Syrgkanis
Colored Resource Allocation Games
8th Cologne-Twente Workshop on Graphs and Combinatorial Optimization, CTW 2009
- Vasilis Syrgkanis
Equilibria in Congestion Game Models: Existence, Complexity and Efficiency
Undergraduate Diploma Thesis, July 2009
- WORKING PAPERS Yoram Bachrach, Vasilis Syrgkanis, Milan Vojnović
Efficiency and the Redistribution of Welfare
Under Submission, (Technical Report MSR-TR-2011-113)

Vasilis Syrgkanis
Bayesian Games and the Smoothness Framework
Under Submission, (Arxiv, March 2012)

GRADUATE COURSEWORK Analysis of Algorithms (Jon Kleinberg), Algorithmic Game Theory (Eva Tardos), Approximation Algorithms (David Williamson), Probabilistic Graphical Models (Adam Siepel), Game Theory (Larry Blume), Probability Theory

HONORS AND AWARDS

- **Facebook Fellowship Finalist, 2012**
- **Sarafi's Award** for ranking 1st in the 4th year of studies **2007-2008**
- **Award** by the Greek State Scholarship's Foundation for ranking **1st** among 500 students of my department during the 4th year of my studies, **2007-2008**
- **Award** by the Greek State Scholarship's Foundation for ranking **7th** among 500 students of my department during my 2nd year of studies, **2005-2006**
- **"Papakyriakopoulos" Award** for excellence in Mathematics amongst the Electrical and Computer Engineering students, **2005-2006**

TEACHING EXPERIENCE **Spring 2012:** TA of Prof. Éva Tardos in *Algorithmic Game Theory*
Spring 2010: TA of Prof. John Hopcroft in *Mathematical Foundations for the Information Age*
Fall 2009: TA of Prof. Dexter Kozen in *Data Structures and Functional Programming*
Fall 2008: TA of NTUA Prof. Stathis Zachos in *Algorithms and Complexity, Introduction to Programming*
Spring 2008: TA of NTUA Prof. Theodora Varvarigou in *Internet Programming*

RESEARCH EXPERIENCE **Microsoft Research Intern** **June-August 2011**
Networks, Economics and Algorithms group at Microsoft Research Cambridge, UK

Research Assistant of Prof. Éva Tardos **June 2010 - present**

NTUA Intelligent Robotics and Automation Lab **August-September 2008**
Research in Mobile Robot Path Planning and Navigation

Moscow State University of Aerospace Technology **April-May 2007**
Laboratory of Microprocessor Systems Intern

TECHNICAL SKILLS **Programming:** C, C++, C#, Ocaml, Java
Web Development: PHP, MySQL, Javascript, AJAX
Applications: MATLAB, SQL Server, Visual Studio, Eclipse, NetBeans, Mathematica

ACTIVITIES **December 2008 - July 2009: Chair** of the IEEE NTUA Student Branch
2008: Member of the Organizing Committee of the 2nd Panhellenic Conference of ECE Students (attended by more than 1200 students from all ECE departments of Greece)