

Stavros Gerakaris

"It is a capital mistake to theorise before one has data. Insensibly one begins to twist facts to suit theories, instead of theories to suit facts." - Arthur Conan Doyle

Research Interests

Online Algorithms, Algorithmic Game Theory, Machine Learning, Multiagent Systems

Education

University of Edinburgh, School of Informatics, Edinburgh, UK

2012–Today **Ph.D. in Informatics.**

Thesis *Adaptive Strategies for Stochastic Games with Censored Information*

Advisors [Subramanian Ramamoorthy](#) and [Kousha Etessami](#)

Areas Game Theory, Machine Learning

2011–2012 **Master of Science in Artificial Intelligence.**

Specialization: Learning from Data

Thesis *Graph Theoretical Approach to Coordination of Ad Hoc Agent Teams*

Advisor [Subramanian Ramamoorthy](#)

Areas Mechanism Design, Multiagent Learning

University of Athens, Department of Informatics, Athens, Greece

2005–2011 **Bachelor of Science in Computer Science.**

Specialization: Theoretical Computer Science

Thesis *Euclidean Embeddings of Rigid Graphs and Applications*

Advisor [Ioannis Z. Emiris](#)

Areas Computational Geometry, Graph Theory

Awards

2012–Today *Greek State Scholarships Foundation* Scholar

Experience

Research

Jun '12 – Today **Member**, [ROBUST AUTONOMY AND DECISIONS GROUP](#), advised by Subramanian Ramamoorthy.

Includes M.Sc. and PhD research in the fields of Mechanism Design and Machine Learning.

Sep '09 – Sep '11 **Member**, [LAB OF ALGEBRAIC AND GEOMETRIC ALGORITHMS](#), advised by Ioannis Emiris. Includes B.Sc. Thesis research, academic presentations and projects in the field of Computational Geometry and its interleaving with Computational Geometric Learning and Graph Drawing.

Oct '10 – Sep '11 **Member**, [RESEARCH FOR UNDERGRADS](#), advised by Elias Koutsoupias. Includes research project. We study open problems in Mechanism Design, related to competitive auctions and online algorithms.

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Teaching

- Fall 2012, **Marker**, *Algorithmic Game Theory and Applications*, *Institution*: University of Edinburgh.
2013 Lecturer: Kousha Etessami
- Fall 2012 **Tutor & Marker**, *Discrete Mathematics and Mathematical Reasoning*, *Institution*: University of Edinburgh.
Lecturers: Kousha Etessami and Richard Mayr
- Spring 2013 **Tutor**, *Agent Based Systems*, *Institution*: University of Edinburgh.
Lecturer: Michael Rovatsos

Talks

- 20 June, 2013 *Incentive Compatible Online Decision Making Using Experts Advice*, IPAB Workshop, University of Edinburgh
- 5 March, 2012 *Advances in High-Dimensional Nearest Neighbor Searching*, Optimization and Applications Seminar, ETH Zürich

Academic Service

- July 2013 Program Committee, *AAAI 2013 Workshop on Intelligent Robotic Systems*

Conferences Attended

- June 2012 International Conference on Machine Learning, Edinburgh, UK
- June 2012 Conference on Learning Theory, Edinburgh, UK
- July 2011 Greece Economic and Algorithmic Theory Week, Paros, Greece

Computer skills

Programming Languages	C, C++, PROLOG, HASKELL, PYTHON	Machine Learning	WEKA: Data Mining Software, MAL-LET: Machine Learning toolkit
Mathematics	MATLAB, MAPLE, SAGE (PYTHON)	Miscellaneous	L ^A T _E X, CGAL, OpenGL, Shell scripting

Languages

Greek	Native	<i>Mother Tongue</i>
English	Fluent	<i>TOEFL iBT score 104, Cambridge FCE</i>
French	Advanced	<i>Diplôme d'Etudes de Langue Française Level 1</i>

Interests

Football, Swimming, Cinema, Literature

References available upon request