

Grigorios Koumoutsos

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Research Interests

- Online Algorithms
- Combinatorial Optimization
- Online Learning
- Theoretical Computer Science broadly

Education

2014 - 2018 (expected)	PhD in Computer Science, Eindhoven University of Technology Thesis: Algorithms for k -Server Problems. Supervisor: Prof. Nikhil Bansal Expected Graduation Date: September 6th, 2018.
2014	Master in Computer Science, Parisian Master of Research in Computer Science (MPRI), co-organized by University Paris 7, École Normale Supérieure (ENS) Paris, ENS Cachan, École Polytechnique Thesis: Online Algorithms with Advice for the Binary Search Tree Problem. Supervisor: Dr. Adi Rosén
2012	Ptychion (4-year diploma) in Informatics and Telecommunications, Department of Informatics and Telecommunications , University of Athens Supervisor: Prof. Elias Koutsoupias

Publications

- *Competitive Algorithms for Generalized k -Server in Uniform Metrics.*
Nikhil Bansal, Marek Eliáš, Grigorios Koumoutsos, Jesper Nederlof
ACM-SIAM Symposium on Discrete Algorithms (SODA) 2018.
- *Nested Convex Bodies are Chaseable.*
Nikhil Bansal, Martin Böhm, Marek Eliáš, Grigorios Koumoutsos, Seeun William Umboh
ACM-SIAM Symposium on Discrete Algorithms (SODA) 2018.
- *Weighted k -Server Bounds via Combinatorial Dichotomies.*
Nikhil Bansal, Marek Eliáš, Grigorios Koumoutsos
IEEE Symposium on Foundations of Computer Science (FOCS) 2017.
- *The (h,k) -Server Problem on Bounded Depth Trees.*
Nikhil Bansal, Marek Eliáš, Lukasz Jeż, Grigorios Koumoutsos
ACM-SIAM Symposium on Discrete Algorithms (SODA) 2017.
- *Tight Bounds for Double Coverage Against Weak Adversaries.*
Nikhil Bansal, Marek Eliáš, Lukasz Jeż, Grigorios Koumoutsos, Kirk Pruhs
Workshop on Approximation and Online Algorithms (WAOA) 2015.
Invited to special issue in Theory of Computing Systems (TOCS).

Talks

- ACM-SIAM Symposium on Discrete Algorithms (SODA), New Orleans, Louisiana, January 2018
- IEEE Symposium on Foundations of Computer Science (FOCS), Berkeley, California, October 2017.
- Conference on Highlights of Algorithms (HALG), Berlin, Germany, June 2017.
- Université Pierre et Marie Curie, Operations Research Seminar, Paris, France, November 2016.
- Workshop on Approximation and Online Algorithms (WAOA), Patras, Greece, September 2015.
- 2x Athens Colloquium on Algorithms and Complexity (ACAC), Athens, Greece, August 2016, 2017.

Teaching

Spring 2015 - 2017	Undergraduate courses on Linear Algebra, Multivariable Calculus and Complex Numbers (\approx 450 hours)
Spring 2018	Guest Lecture on graduate course on Graphs and Algorithms.

Professional Service

(Sub)Reviewer	SPAA 2018, CIAC 2017, Journal of Scheduling, Theoretical Computer Science.
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Activities

Research Visit	Visiting University Paris 7 (hosted by Adi Rosén) and University Pierre and Marie Curie (hosted by Spyros Angelopoulos), October - December 2016, June 2017.
Summer Schools	<i>Graph Theory, Algorithms and Applications</i> Center “Ettore Majorana” for Scientific Culture, Erice, Italy, May 2017. <i>Summer School on Combinatorial Optimization</i> HIM Bonn, Germany, September 2015. ADFOCS 2015, <i>New Developments in Approximation Algorithms</i> MPI Saarbrucken, Germany 17-21 August 2015. <i>Mathematical Programming and Design of Approximation Algorithms</i> Athens University of Economics and Business, Greece, April 2012.
Erasmus	Participation in exchange program “Erasmus”, Université d’Evry Val d’Essonne , Spring 2011. Level M1 (Master 1), courses from specializations M1-“Informatics” and M1-“Architecture of Networked Systems” (in French)

Languages

Fluent	English: Cambridge First Certificate in English, 2003 (IELTS 7.0/9.0, 2012) Greek: Native
Moderate	Spanish: DELE Inicial (Nivel B1), 2010 French: Successful attendance of level B2 courses, University Paris 7, 2014

Conferences and Workshops

- Attended Conferences: [SODA 2017](#), [The Mathematics of Jiří Matoušek](#), [HALG \(2016, 2017\)](#), [FOCS 2015](#), [ESA 2015](#), [SODA 2015](#), [ISCO 2012](#), [ACAC \(2012-2017\)](#)
- Attended Workshops: [Computational Complexity of Low-Polynomial Time Problems](#), [Satisfiability Lower Bounds and Tight Results for Parameterized and Exponential-Time Algorithms](#), [Scheduling Under Uncertainty](#), [Workshop on Online Algorithms and Learning](#), [FILOFOCS 2014](#)