



Elias Koutsoupias

Title: Professor

Sector: Theoretical Computer Science

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Academic Qualifications:

- Ph.D. in Computer Science (1994), University of California, San Diego (UCSD)
- B.Sc. in Electrical Engineering (1987), National Technical University of Athens

Appointments:

- 2001 - today : Professor, Dept. of Informatics & Telecom., University of Athens
- 2001-2003 : Associate Professor, Computer Science Dept, University of California, Los Angeles (UCLA)
- 1994-2000 : Assistant Professor, Computer Science Dept, University of California, Los Angeles (UCLA)

Teaching Activities: (current)

Undergraduate courses

- Mathematics for Computer Science
- Advanced Topics in Algorithms

Graduate courses

- Algorithms
- Online Algorithms
- Algorithmic Game Theory

Advisor of 2 current Ph.D. students

Research Interests/Activities: (last 10 years)

- Algorithmic Game Theory
- Online Algorithms and Decision Making
- Theory of Networks

Scientific Publications/Citations:

- 19 publications in refereed journals
- 32 refereed conference publications
- More than 3000 citations. (H-index 25)

Top five publications

- E. Koutsoupias and C. Papadimitriou. Worst-case equilibria. *Computer Science Review*, 3(2):65--69, 2009. Conference version in STACS 1999. [1008 citations]
- E. Koutsoupias and C. Papadimitriou. On the k-server conjecture. *Journal of the ACM*, 42(5):971-983, September 1995. [150 citations]
- G. Christodoulou and E. Koutsoupias. The price of anarchy of finite congestion games. In *37th ACM Symposium on Theory of Computing (STOC)*, pages 67-73, Baltimore, MD, USA, 22--24 May 2005. [212 citations]

- G. Christodoulou, E. Koutsoupias, and A. Vidali. A lower bound for scheduling mechanisms. In *Algorithmica*, 55(4):729--740, 2009. [citations=41]
- A. Fabrikant, E. Koutsoupias, and C. Papadimitriou. Heuristically Optimized Trade-offs: A New Paradigm for Power Laws in the Internet. In *Proceedings of the 29th International Colloquium on Automata, Languages, and Programming (ICALP)*, pages 110--122, Malaga, Spain, July 2002. [citations=250]

Other Activities:

- Program chair of SAGT 2010, WINE 2011
- Recent program committee memberships: APPROX 2009, ICALP 2009, EC 2010, SIROCCO 2010, ICALP 2010, SAGT 2010, SAGT 2011, WINE 2011.
- Associate editor of Journal of Computer and Systems Science (JCSS).
- Funding from NSF (USA), UCLA (USA), IST (EU), Ministry of Education (Greece), General Secretariat for Research and Technology (Greece), University of Athens (Greece).
- More than 20 invited talks in the last 5 years.
- Reviewer for all major conferences and journals of theoretical computer science.
- Reviewer for funding agencies of Greece, Netherlands, Canada, Israel, USA (National Science Foundation, NSF).
- Currently on sabbatical leave at the Institute of Advanced Studies, Hebrew University. Invited scholar for the special semester on Algorithmic Game Theory.