



## Vassilis Zissimopoulos

Professor on Algorithmic Operations Research

Division of Theoretical Informatics

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### Academic Qualifications:

- "Habilitation à Diriger des Recherches" in Informatics and Operations Research (1996), University of ORSAY, France
- Ph.D. in Computer Science (1984), Department of Informatics (LRI), University of ORSAY, France
- DEA in Computer Science (1982), Department of Informatics (LRI), University of ORSAY, France/Postgraduate Studies in Computer Science and Operations Research (1980), University of Athens, Greece
- University degree in Mathematics (1978), University of Athens, Greece

### Appointments:

- 2006-today: Professor, Department of Informatics & Telecom., Division of Theoretical Informatics, University of Athens
- 2001-2006: Associate Professor at the Department of Informatics and Head of the Division of Theoretical Informatics (2003-08), University of Athens
- 1997-2001: Professor, Department of Informatics (LIPN), University of Paris-Nord, France
- 1993-97: Associate Professor, Informatics Research Laboratory (LRI), University of ORSAY, France
- 1989-93: Assistant Professor, Informatics Research Laboratory (LRI), University of ORSAY, France
- 1993-97: In charge of the research group "Parallel and Distributed Algorithms", LRI, University of ORSAY, France
- 1987-91: Researcher, ALFA S.A.I., Telecommunications and Signaling, Section of European Projects, Greece
- 1985-87: Research Assistant (Project HERMES), Hellenic Army General Staff and Telecommunications School (Army Force), Greece
- 1984-85: Research Assistant, France Electricity Company (EDF)
- 1982 – 1984 : Ph.D. Fellowship, DGRST (General Direction for Scientific Research and Technology , France)

### Teaching Activities: (current)

**Undergraduate courses:** Algorithms and Complexity, Algorithmic Operations Research

**Postgraduate courses:** Combinatorial Optimization

**Supervisor** of 9 Ph.D. dissertations

### Research Interests: (last 10 years)

- Design and analysis of polynomial time algorithms, Op. Research / Combinatorial Optimization, Dynamic Graph Algorithms, Algorithmic Graph Theory, Landscape Theory

### Scientific Publications/Citations:

- 41 publications in refereed journals (TCS, DAM, IEEE Tr. on PDS, IEEE Tr. on Computers, IEEE Tr. on NNS)
- 49 refereed conference publications (IEEE PDP, COCOA, IFIP Net.)
- More than 1000 citations (H-index 18).

### Top five publications

- V. Paschos, O. Telelis V. and Zissimopoulos, "Probabilistic Models for the Steiner Tree Problem", *Networks*, Vol. 56, No 1, 2010
- N. Laoutaris, O. Telelis, V. Zissimopoulos, I. Stavrakakis, "Distributed Selfish Replication," *IEEE Transactions on Parallel and Distributed Systems*, 17(12), pp. 1401-1413, 2006.
- E. Angel and V. Zissimopoulos, "On the landscape ruggedness of the quadratic assignment problem" *Theoretical Computer Science*, Vol. 263, Number 1-2, pp. 159-172, July 2001.
- E. Angel and V. Zissimopoulos, "On the classification of NP-complete problems in terms of their correlation coefficient", *Discrete Applied Mathematics*, Vol. 99, pp. 261-277, 2000.
- W. Fernandez de la Vega et V. Zissimopoulos, "An Approximation scheme For Strip-Packing of Rectangles With Bounded Dimensions", *Discrete Applied Mathematics*, Vol. 82, PP. 93-101, 1998.

### Activities:

- Organizing Committee (with NTUA and AUUEB) of **ACAC** (Athens Colloquium on Algorithms and Complexity) 2006, 2007, 2008, 2009, 2010.
- Visiting professor at Evry-Val d'Essonne University (2008-09, teaching and seminars)
- Invited External Habilitation and Dissertation Committees member, France
- Academic responsible for Erasmus Projects with France (University of Evry-Val d'Essonne, Pierre et Marie Curie)
- Member of the Scientific Committee of the International Informatics Olympiad, Examiner (2004)/member of the Scientific Committee of the Greek Informatics Olympiad, Examiner (2000-2004)
- reviewer for academic journals including TCS, Mathematics of Operations Research, JCSS, DAM, IEEE Circuits and Systems, IEEE Transactions on Computers, IPL, EJOR, IEEE Transactions on Neural Networks, many conferences such as FOCS, STOC, SODA, ICALP,ESA and National-French-European projects
- 15 R&D projects/Member of SMAI, EATCS, ECCO, ROADEF/Seminars Organizer (NKUA, LRI)