

CURRICULUM VITAE

KYRIAKI IOANNIDOU

PERSONAL

Date of Birth:	6 August, 1982	Email:	kioannid@cs.uoi.gr
Place of Birth:	Larnaka, Cyprus	Homepage:	www.cs.uoi.gr/~kioannid
Mobile:	+357 99917406		

EDUCATION

- 9/2005–12/2009 **Ph.D in Algorithms**
Department of Computer Science, University of Ioannina, Greece.
Ph.D thesis: *New Classes of Perfect Graphs and Algorithms for Coloring and Longest Path Problems.*
Grade: Distinction.
- 9/2004–8/2005 **M.Sc in Analysis, Design & Management of Information Systems**
Department of Information Systems, London School of Economics and Political Science (LSE), UK.
M.Sc thesis: *The Role of the Transaction and Context in Strategic Investment Decisions in Electronic Banking: The Case of the Banking Industry in Cyprus.*
Thesis grade: Distinction.
- 10/2000–6/2004 **B.Sc in Mathematics**
Department of Mathematics, Aristotle University of Thessaloniki, Greece.
Degree grade: 7.93 out of 10.
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RESEARCH INTERESTS

- Design and analysis of algorithms
 - Combinatorial optimization
 - Algorithmic graph theory - perfect graphs
 - Complexity theory
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PUBLICATIONS

1. K. Ioannidou and S.D. Nikolopoulos, The longest path problem is polynomial on cocomparability graphs, *36th International Workshop on Graph Theoretic Concepts in Computer Science (WG'10)* (2010), accepted.
2. K. Ioannidou, G.B. Mertzios, and S.D. Nikolopoulos, The longest path problem has a polynomial solution on interval graphs, *Algorithmica* (2010). doi: 10.1007/s00453-010-9411-3
3. K. Ioannidou and S.D. Nikolopoulos, Harmonious coloring on subclasses of colinear graphs, *4th Annual Workshop on Algorithms and Computation (WALCOM'10)*, LNCS 5942 (2010) 136–148.

4. K. Ioannidou, G.B. Mertzios, and S.D. Nikolopoulos, The longest path problem is polynomial on interval graphs, *34th International Symposium on Mathematical Foundations of Computer Science (MFCS'09)*, LNCS **5734** (2009) 403–414.
 5. K. Ioannidou and S.D. Nikolopoulos, Colinear coloring and colinear graphs, *Technical Report TR-2007-06*, Department of Computer Science, University of Ioannina, 2007 (submitted for journal publication).
 6. K. Ioannidou and S.D. Nikolopoulos, Colinear coloring on graphs, *3rd Annual Workshop on Algorithms and Computation (WALCOM'09)*, LNCS **5431** (2009) 117–128.
 7. K. Asdre, K. Ioannidou, S.D. Nikolopoulos, The harmonious coloring problem is NP-complete for interval and permutation graphs, *Discrete Applied Math.* **155** (2007) 2377–2382.
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PH.D THESIS

New Classes of Perfect Graphs and Algorithms for Coloring and Longest Path Problems
Department of Computer Science, University of Ioannina, Greece, 2009.

- Colinear coloring on graphs.
 - Definition of two new classes of perfect graphs: colinear and linear graphs.
 - This work led to publications [5,6].
 - The harmonious coloring problem on classes of perfect graphs (including colinear graphs).
 - This work led to publications [3,7].
 - The longest path problem on classes of perfect graphs (interval graphs, cocomparability graphs).
 - This work led to publications [1,2,4].
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RESEARCH PROJECTS/SCHOLARSHIPS

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| 2005-2008 | Design and Implementation of Efficient Algorithms for Recognition and Optimization Problems on Perfect Graphs.
Research project implemented within the framework of the Reinforcement Programme of Human Research Manpower (PENED) and co-financed by the E.U.-European Social Fund and the Greek Ministry of Development.
Scientific Advisor: S.D. Nikolopoulos. |
| 2000-2004 | Scholarship from the National Funding Institution (I.K.Y.) of Greece. |
| 2000-2004 | Scholarship from the National Funding Institution (I.K.Y.) of Cyprus. |
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TEACHING EXPERIENCE

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| 2006-2009 | Design and Analysis of Algorithms
Teaching assistant, Department of Computer Science, University of Ioannina. |
| 2005-2006 | Parallel Algorithms
Teaching assistant, Department of Computer Science, University of Ioannina. |

LANGUAGES

Greek	Native language
English	Fluent

REFEREES

Stavros D. Nikolopoulos
Professor
stavros@cs.uoi.gr
Dept. of Computer Science
University of Ioannina
GR-45110 Ioannina, Greece
+30 26510 0 8801
(PhD supervisor 2005-2009)

Leonidas Palios
Associate Professor
palios@cs.uoi.gr
Dept. of Computer Science
University of Ioannina
GR-45110 Ioannina, Greece
+30 26510 0 8807