

# Konstantinos Panagiotou

## *Curriculum Vitæ*

### Personal Information

Date and place of birth: 16 June, 1980 in Munich  
Marital status: married

### Contact Data

Max Planck Institute for Informatics  
Department 1: Algorithms and Complexity  
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### Education & Previous Positions

- 09/08 – today*      **Postdoc** at Max Planck Institute for Informatics, Saarbrücken
- 03/10 – 04/10*      **Visiting Professor** at UPMC (Université Pierre et Marie Curie), Paris
- 04/08 – 08/08*      **Postdoc** at Institute for Theoretical Computer Science, ETH Zürich
- 02/04 – 03/08*      **PhD in Computer Science**, ETH Zürich  
Supervisor: Prof. Dr. Angelika Steger  
Title: *Colorability Properties of Random Graphs*  
My thesis was awarded the *ETH Medal* (ca. 2-4% of the submitted theses are awarded this distinction), and the *Richard-Rado Prize* from the section “Discrete Mathematics” of the German Mathematical Society (DMV). The thesis is not graded explicitly.
- 11/98 – 04/03*      **Diploma in Computer Science**, minor subject Mathematics, Technical University Munich  
I finished my studies with a total average grade of 1.0 (in all examinations including the diploma thesis), as the best final year student in computer science.
- 1995 – 1998*      Greek High School, Munich

### List of Most Important Publications

- [1] K. Panagiotou and A. Souza. On Adequate Performance Measures for Paging. In: *Proceedings of the 38th ACM Symposium on Theory of Computing (STOC'06)*, p. 487–496.
- [2] A. Coja-Oghlan, K. Panagiotou, and A. Steger. On the chromatic number of random graphs. In: *34th International Colloquium on Automata, Languages and Programming (ICALP '07)*, p. 777–788, and *Journal of Combinatorial Theory, Series B*, 98(5):980–993, 2008.
- [3] N. Bernasconi, K. Panagiotou, and A. Steger. On properties of random dissections and triangulations. In: *Proceedings of the 19th ACM-SIAM Symposium on Discrete Algorithms (SODA '08)*, p. 132–141, and *Combinatorica*, accepted for publication.
- [4] K. Panagiotou and A. Steger. Maximal biconnected subgraphs of random planar graphs. In: *Proceedings of the 20th ACM-SIAM Symposium on Discrete Algorithms (SODA '09)*, p. 432–440, and *ACM Transactions on Algorithms*, 6(2):1–21, 2010.

[5] N. Fountoulakis and K. Panagiotou. Orientability of Random Hypergraphs and the Power of Multiple Choices. In: *Proceedings of the 37th International Colloquium on Automata, Languages and Programming (ICALP '10)*, p. 348–359.

## Awards & Activities

- *Richard-Rado Prize*, 2010
- *Alexander-von-Humboldt Foundation* Postdoctoral Fellowship, 2009 – 11
- Postdoctoral Fellowship from the *Max-Planck Society*, 2008 – 10
- *ETH Medal* for outstanding PhD thesis, 2008
- *CARP Postdoctoral Fellowship* from McGill University, Canada, 2007 (declined)
- Postdoctoral Fellowship from *INRIA*, France, 2007 (declined)
- *Siemens Prize* for outstanding diploma thesis, 2003
- Scholarship from *Studienstiftung des Deutschen Volkes*, 2002 – 04

## Academic Activities

*Member in Program Committees*: LATIN 2010

*Reviewer for conferences*: STOC, SODA, RANDOM, STACS, ICALP, ESA, EuroComb, COCOON

*Reviewer for journals*: Random Structures and Algorithms (*RS&A*), *Combinatorica*, *SIAM Journal on Computing* (*SICOMP*), *Journal of Combinatorial Optimization*, *Discrete Mathematics*, *Electronic Journal of Combinatorics*, *Theory of Computing Systems*, *Transactions on Algorithms*, *Information Processing Letters*

*Talks*: more than 30 talks at international conferences and workshops, also as invited speaker.

## Teaching Experience

### Lectures and Teaching Experience

<i>WS 2010/11</i>	Lecture: Models of Computation
<i>WS 2009/10</i>	Seminar: Randomized Search Heuristics
<i>SS 2009</i>	Lecture: The Probabilistic Method
<i>SS 2008</i>	Lecture: Graphs & Algorithms
<i>2003 – today</i>	Teaching assistant: Discrete Mathematics, Randomized Algorithms, Introduction to Computer Science, Graph Theory. I got very good grades from the students in all cases.

### Supervision of PhD Students

Megha Khosla (since September 09) and Carola Winzen (since January 10)

### Completed Bachelor and Master Theses

<i>2010</i>	Megha Khosla (Message Passing Algorithms)
<i>2008</i>	Thomas Rast (Properties of Random Planar Maps), Makrand Sinha (Random Unlabeled Trees)
<i>2007</i>	Boris Maistrenko (The Degree Sequence of Random Triangulations), Florian Walpen (On the $k$ -server Problem)
<i>2006</i>	Nicla Bernasconi (Relaxed 2-colorings of Graphs), Yoshimi Takano (Jigsaw Puzzles with Multiple Solutions), Christian Sommer (On Coloring Sparse Random Graphs)
<i>2004</i>	Lisa von Böhmer (On the Construction of Graphs with large Girth and high Chromatic Number), Bertram Wilm (Interactive Simulation and Visualization of Volumetric Deformable Objects)

### Further Teaching Activities

- since April '10* Member in the exercises board of the BWINF (Bundeswettbewerb Informatik)  
*since May '10* Member in the selection committee for Master and PhD students at MPI  
*2006 – 2008* SOI (Swiss Olympiad in Informatics) preparation courses and talks  
*2006 – 2008* Frauenförderung at ETH Zurich (Talks at High Schools, Seminars)

### Other Activities

- since Nov '09* Consultant at the german-greek magazine *Drachme*  
*2000 – 2002* Scientific Project „E-Jigsaw“ – Computer-based reconstruction of the Stasi records,  
Technical University of Munich  
*1999 – 2008* Extensive Programming Experience in C++/Java