

CURRICULUM VITÆ

Personal data



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Education

2011 Habilitation Degree, University of Warsaw.
2005 Ph.D. in Computer Science, University of Warsaw.
 Ph.D. Thesis *Algorithmic Path Problems in Planar Graphs*
 Thesis advisor: Prof. Krzysztof Diks.
2001 M.Sc. in Computer Science, University of Warsaw
 M.Sc. Thesis *Three-coloring Planar Graphs*
 Thesis advisor: Prof. Krzysztof Diks.
1999 B.Sc. in Mathematics, University of Warsaw

Positions

2012 – University of Warsaw, associate professor (prof. nadzwyczajny)
2005 – 2012 University of Warsaw, assistant professor (adiunkt)
2005 – 2006 Max-Planck Institut für Informatik, Saarbrücken, postdoctoral researcher

Awards and Funding

Selected Awards and Scholarships:

- Jun 2007 Witold Lipski Prize for Young Researchers in Computer Science
- Jan 2007 – Dec 2007 A scholarship for young researchers of the Foundation for Polish Science (START programme)
- Oct 2005 – Sep 2006 Postdoctoral scholarship in Max Planck Institute for Computer Science, Saarbruecken, Germany
- Sep 2003 – Dec 2003 Marie-Curie Fellowship, BRICS, Aarhus University, Denmark.

Research grants:

- 2014–2017 Grant of National Science Centre *Current trends in parameterized and exponential-time algorithms*, **principal investigator**
- 2011–2014 Grant of National Science Centre *Parameterized complexity and exponential-time algorithms*, **principal investigator**
- 2009–2010 Polish-Slovenian bilateral project *Partitions and structures of graphs*, **coordinator**
- 2008–2009 Polish-Slovenian bilateral project *Graph colorings and their applications*, **coordinator**
- 2007–2009 Grant of Ministry of Science and Higher Education *New techniques in graph algorithms: exact algorithms for NP-hard problems, sparse graphs and their applications*, **principal investigator**
- 2005 PhD Grant of Ministry of Science and Higher Education, *Algorithmic path problems in planar graphs*

Advising and Teaching

PhD advisor: Marek Cygan (2012), Marcin Pilipczuk (2012), Arkadiusz Socała (in progress).

M.Sc. advisor: Arkadiusz Socała (2014), Mateusz Baranowski (2013), Michał Pilipczuk (2013), Piotr Kufel (2012), Michał Pachucki (2011), Łukasz Bieniasz-Krzywiec (2010), Piotr Ceroński (2010), Marek Cygan (2008), Marcin Pilipczuk (2008), Mateusz Wykurz (2008).

Lecturer (summer schools, tutorials, etc.):

- 2013 *Algebraic techniques in parameterized complexity*, School on parameterized algorithms and complexity, Będlewo.
- 2013 *Algebraic approach to exact algorithms*, ADFOCS 2014, MPI Saarbruecken.
- 2012 *Algebraic approach to exact algorithms*, tutorial at PCC 2012.
- 2010 *Exact Algorithms for NP-hard problems*, tutorial at PhD Open, Warsaw.

Lecturer (full semester courses):

- 2013 *Algorithmic tools*, University of Warsaw.
- 2007 – 2014 *Advanced Algorithms*, University of Warsaw.
- 2010 *Probabilistic methods in algorithms*, University of Warsaw.
- 2007 *Approximation Algorithms*, University of Warsaw.
- 2007 *Analysis of Algorithms*, University of Warsaw.
- 2006 *Advanced Data Structures*, University of Warsaw.
- 2001, 2003, 2004 *Algorithms and Data Structures*, Postgraduate course for teachers, University of Warsaw.

Service

PC and editorial service

- Editor in Information Processing Letters
- Program committee member of MEMICS 2014.
- Program committee member of MFCS 2011.

Reviewer for journals and conferences

Journals:

- Algorithmica (2 reviews)
- Ars Combinatoria
- ACM Transactions on Algorithms (2 reviews)
- Applied Mathematics Letters
- Discrete Applied Mathematics (8 reviews)
- Discrete Mathematics
- Fundamenta Informaticae (2 reviews)
- Graphs and Combinatorics
- Information Processing Letters
- Journal of Combinatorial Mathematics and Combinatorial Computing
- Journal of Discrete Algorithms
- Journal of Graph Theory
- Optimization Letters
- Theoretical Computer Science (3 reviews)

Conferences:

- **DISC**, International Symposium on Distributed Computing (2 reviews)
- **ESA**, Annual European Symposium on Algorithms (3 reviews)
- **FCT**, International Symposium on Fundamentals of Computation Theory
- **FSTTCS**, Annual Conf. on Foundations of Software Technology and Th. Comp. Sci. (2 reviews)
- **ICALP**, International Colloquium on Automata, Languages and Programming (4 reviews)
- **IPEC** International Symposium on Parameterized and Exact Computation
- **LATA**, International Conference on Language and Automata Theory and Applications
- **MFCS**, Int. Symposium on Mathematical Foundations of Computer Science (8 reviews)

- **PODS**, Symposium on Principles of Database Systems (2 reviews)
- **SIROCCO**, Int. Coll. on Structural Information and Communication Complexity (4 reviews)
- **SODA**, ACM-SIAM Symposium on Discrete Algorithms (4 reviews)
- **STOC**, ACM Symposium on Theory of Computing
- **STACS**, International Symposium on Theoretical Aspects of Computer Science (5 reviews)
- **SWAT**, Scandinavian Workshop on Algorithm Theory

Organization of programming contests

- 2008–2009 Polish Olympiad in Informatics (chair of the local committee in Warsaw)
- 2001–2006 Polish Olympiad in Informatics (jury member, author of tasks)
- 2005 International Olympiad in Informatics (Host Scientific Committee member)
- 2004 Central-European Olympiad in Informatics (jury member)
- 2003, 2004 ACM Central European Programming Contest (jury member)

Organization of other events

- 2013 organizer of WorKer (Workshop on Kernels)
- 2006–2012 organizer of „Open Lectures for PhD Students” (Warsaw Univ.)
- 2004 organizer of “PhD Student Day” (a mini-conference for PhD students)
- 2002 member of the organizing committee, *27th International Symposium on Mathematical Foundations of Computer Science* (MFCS 2002)

Popular Science

- 2014 Talk *Hashing*, Warszawa, Workshop of the National Children’s Fund.
- 2013 Talk *On k-path problem*, Warszawa, Workshop of the National Children’s Fund.
Article *Linear Programs, Games and Algorithms*, Delta, 8 / 2013, pp. 1-3.
- 2012 Talk *Gomory-Hu Trees*, Warszawa, Workshop of the National Children’s Fund.
- 2010 Talk *Can you code in the language of linear equations?*, Warszawa, Festival of Science.
Talk *Approximation of Steiner Forest*, Warszawa, Workshop of the National Children’s Fund.
- 2009 Talk *Parameterized complexity*, Warszawa, Workshop of the National Children’s Fund.
- 2008 Article *On asymptotic notation in analysis of algorithms*, Delta, 1 / 2008, pp. 4-5.
- 2006 Talk *How hard are NP-hard problems?*, Warszawa, Workshop of the National Children’s Fund.
- 2005 Talk *Seven Wonders of Computer Science*, Warszawa, Festival of Science
Talk *Graph Minor Theorem*, Grzegorzewice, Szkoła Matematyki Poglądowej.
- 2004 Talk *Derandomizing Algorithms*, Grzegorzewice, Szkoła Matematyki Poglądowej.
- 2002 Article *Euler tours*, Software 2.0, 7 / 2002.