

# 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* (advisor: Krzysztof Diks)  
1996 – 2001 M.Sc. in Computer Science, University of Warsaw  
M.Sc. Thesis *Three-coloring Planar Graphs* (advisor: Krzysztof Diks)  
1996 – 1999 B.Sc. in Mathematics, University of Warsaw  
1992 – 1996 II LO im. Stefana Batorego, Warsaw

## Positions and long-term stays

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  
2003 Marie-Curie Fellowship, BRICS, Aarhus University, Denmark.

## Awards and Funding

### Selected Awards and Scholarships:

Sep 2017 Best Paper Award, 25th European Symposium on Algorithms  
Nov 2014 Nagroda MNiSW za osiągnięcia w opiece naukowej i dydaktycznej  
2011-2014 Scholarship for outstanding young scientists (MNiSW)  
Jun 2007 Witold Lipski Prize for Young Researchers in Computer Science

### 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*

## Service

### PC and editorial service

- Program committee member of ESA 2018.
- Managing Editor in Information Processing Letters (from November 2017)
- Editor in Information Processing Letters (2010-2016)
- Program committee member of MEMICS 2014, 2015.
- Program committee member of MFCS 2011.
- Reviewer for conferences DISC, ESA, FCT, FSTTCS, ICALP, IPEC, MFCS, PODS, SIROCCO, SODA, STOC, STACS, SWAT, WADS.
- Reviewer for journals *Algorithmica*, *Ars Combinatoria*, *ACM Transactions on Algorithms*, *Applied Mathematics Letters*, *Discrete Applied Mathematics*, *Discrete Mathematics*, *Fundamenta Informaticae*, *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*.

### Administration

- Vice-director of Institute of Informatics (2016-2020).

### 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)

### 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)

## Advising and Teaching

**PhD advisor:** Marek Cygan (2012), Marcin Pilipczuk (2012), Arkadiusz Socała (2017).

**M.Sc. advisor:** Katarzyna Zalewska (2017), Katarzyna Jabłonowska (2016), Arkadiusz Socała (2014), Mateusz Baranowski (2013), Michał Pilipczuk (2013), Piotr Kufel (2012), Michał Pachucki (2011), Łukasz Bieniasz-Krzywiec (2010), Piotr Ceroński (2010), Mateusz Wykurz (2008), Marek Cygan (2008), Marcin Pilipczuk (2008).

**Lecturer (summer schools, tutorials, etc.):**

- 2017 *Introduction to Parametrized Algorithms* (1-day course for Gdańsk Summer School of Advanced Science on Algorithms for Discrete Optimization ), Gdańsk Technical University.
- 2015 *FPT and exponential algorithms* (2-day course for PhD students), University of Wrocław.
- 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 at University of Warsaw):**

- yearly from 2007 *Algorithmics*
- 2013 *Algorithmic tools*
- 2010 *Probabilistic methods in algorithms*
- 2007 *Approximation Algorithms*
- 2007 *Analysis of Algorithms*
- 2006 *Advanced Data Structures*
- 2001, 2003, 2004 *Algorithms and Data Structures*, Postgraduate course for teachers

## Popular Science

- 2017 Lecture *Wstęp do aproksymacji*, Workshop of National Children's Fund.
- 2016 Lecture *Drzewa Gomory-Hu*, Workshop of National Children's Fund.
- 2014 Lecture *O problemie komiwojażera*, Festival of Science.  
Lecture *Haszowanie*, Workshop of National Children's Fund.
- 2013 Lecture *O problemie k-ścieżki*, Workshop of National Children's Fund.  
Popular article *Programy liniowe, gry i algorytmy*, Delta, 8 / 2013.
- 2012 Lecture *Drzewa Gomory-Hu*, Workshop of National Children's Fund.
- 2010 Lecture *Czy można programować w języku układów równań liniowych?*, Festival of Science.  
Lecture *Problem Lasu Steinera*, Workshop of National Children's Fund.

- 2009 Lecture *Złożoność parametryzowana*, Workshop of National Children's Fund.
- 2008 Popular article *O notacji asymptotycznej w analizie algorytmów*, Delta, 1 / 2008, str. 4-5.
- 2006 Lecture *Jak trudne są problemy NP-trudne?*, Workshop of National Children's Fund.
- 2005 Lecture *Siedem cudów informatyki*, Festival of Science.  
Lecture *Grafowe twierdzenie o minorach: porządkowanie grafów*, Grzegorzewice 29.08.2005, XXXV Szkoła Matematyki Poglądowej „Porządek”.
- 2004 Lecture *Derandomizacja alorytmów*, XXXIII Szkoła Matematyki Poglądowej, Grzegorzewice.
- 2002 Popular article *Spacer po mostach i przejażdżki po mieście*, Software 2.0, 7 / 2002.