

Marcin Jakub Kamiński

Université Libre de Bruxelles
Département d'Informatique
Bvd. du Triomphe, CP 212
1050 Bruxelles
Belgium

Phone: ++32-2-650-5960
Fax: ++32-2-650-5609
Email: Marcin.Kaminski@ulb.ac.be
Homepage: <http://marcinkaminski.org/>

Research Area

Discrete Mathematics and Theoretical Computer Science

Education

Ph.D., Operations Research, RUTCOR, Rutgers University, April 2007.

Thesis: *New algorithmic and hardness results on graph partitioning problems*

Advisor: Dr. Vadim Lozin

M.Sc., Computer Science, Technical University of Gdańsk, June 2001.

Thesis: *Classical and quantum models of computation*

Advisor: Dr. Krzysztof Giaro

Graduation with honors

Employment

F.R.S. – FNRS, Chargé de recherches, Université Libre de Bruxelles, OCTOBER 2009 – NOW

Université Libre de Bruxelles, Postdoctoral Research Fellow, MAY 2007 – SEPTEMBER 2009

Rutgers University, Teaching Assistant and Instructor, SEPTEMBER 2002 – APRIL 2007

SynaptiCAD Inc., Software Engineer, FEBRUARY – AUGUST 2002

Publications

Submitted

J. Fiala, M. Kamiński, B. Lidický, D. Paulusma, *The k -in-a-path problem for claw-free graphs*, SUBMITTED

Journal Articles

ACCEPTED

G. Joret, M. Kamiński, D. O. Theis, *The cops and robber game on graphs with forbidden (induced) subgraphs*, Contributions to Discrete Mathematics, PROVISIONALLY ACCEPTED

J. Díaz, M. Kamiński, D. M. Thilikos, *Recognizing partial $2 \times \infty$ grids in linear time*, Discrete Applied Mathematics, TO APPEAR

Ch. Hoàng, M. Kamiński, V. Lozin, J. Sawada, X. Shu, *Deciding k -colourability of P_5 -free graphs in polynomial time*, Algorithmica, TO APPEAR

2007

J. Díaz, M. Kamiński, *Max-Cut and Max-Bisection are NP-hard on unit disk graphs*, Theoretical Computer Science, Volume 377 (2007), 271 – 276

D. Cardoso, M. Kamiński, V. Lozin, *Maximum k -regular induced subgraphs*, Journal of Combinatorial Optimization, Volume 14 (2007), 455 – 463

M. Kamiński, V. Lozin, *Coloring edges and vertices of graphs without short or long cycles*, Contributions to Discrete Mathematics, Volume 2 (2007), 61 – 66

F. Della Croce, M. Kamiński, V. Paschos, *An exact algorithm for the max-cut problem in sparse graphs*, Operations Research Letters, Volume 35 (2007), 403 – 408

M. Kamiński, V. Lozin, *On 3-colorability of claw-free graphs*, Algorithmic Operations Research, Volume 2 (2007), 15 – 21

Conferences

2010

P. van 't Hof, M. Kamiński, D. Paulusma, S. Szeider and D. M. Thilikos, *On contracting graphs to fixed pattern graphs*, International Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2010, Špindlerův Mlýn, Czech Republic

2009

P. Golovach, M. Kamiński, D. Paulusma and D. M. Thilikos, *Induced packing of odd cycles in a planar graph*, International Symposium on Algorithms and Computation, ISAAC 2009, Honolulu, Hawaii, USA

T. Ito, M. Kamiński, D. Paulusma and D. M. Thilikos, *Disconnecting graphs by disconnected cut sets*, International Symposium on Algorithms and Computation, ISAAC 2009, Honolulu, Hawaii, USA

T. Ito, M. Kamiński, E. Demaine, *Reconfiguration of list edge-colorings in a graph*, Algorithms and Data Structure Symposium, WADS 2009, Banff, Canada

P. van 't Hof, M. Kamiński, D. Paulusma, *Induced paths with parity restriction in claw-free graphs*, International Workshop on Graph-Theoretic Concepts in Computer Science, WG 2009, Montpellier, France

M. Kamiński, P. Medvedev, M. Milanič, *The plane-width of graphs*, European Conference on Combinatorics, Graph Theory and Applications, EuroComb 2009, Bordeaux, France

2008

Ch. Hoàng, M. Kamiński, V. Lozin, J. Sawada, X. Shu, *A note k -colourability of P_5 -free graphs*, Mathematical Foundations of Computer Science, MFCS 2008, Toruń, Poland

M. Kamiński, *Quadratic programming on graphs without long odd cycles*, International Symposium on Combinatorial Optimization, CO 2008, Warwick, United Kingdom

Expository work

M. Kamiński, V. Lozin, M. Milanič, *Recent developments on graphs of bounded clique-width*, Discrete Applied Mathematics, Volume 157:12 (2009), 2747 – 2761

F. Della Croce, B. Escoffier, M. Kamiński, V. Paschos, *Worst-case Complexity of Exact Algorithms for NP-hard Problems*, Chapter in *Combinatorial Optimization and Theoretical Computer Science*, 203 – 240, ISTE Ltd and John Wiley & Sons Inc, 2008 (ISBN 1848210213)

K. Giaro, M. Kamiński, *Introduction to Quantum Computing* (in Polish), EXIT, 2003 (ISBN 8387674575)

Research Visits

2009

Wilfrid Laurier University, Department of Physics and Computer Science, Waterloo, Canada, Host: Dr. Chinh Hoàng, July – August 2009 (7 weeks), travel grant from FNRS

National and Kapodistrian University of Athens, Department of Mathematics, Athens, Greece, Host: Dr. Dimitrios M. Thilikos, May – June 2009 (7 weeks), travel grant from FNRS

2008

Durham University, Department of Computer Science, Durham, United Kingdom, Host: Dr. Daniël Paulusma, December 2008 (1 week)

Universität Bielefeld, Faculty of Technology, Bielefeld, Germany, Host: Dr. Martin Milanič, August 2008 (4 days)

National and Kapodistrian University of Athens, Department of Mathematics, Athens, Greece, Host: Dr. Dimitrios M. Thilikos, May – June 2008 (7 weeks), travel grant from FNRS

BEFORE 2007

Universitat Politècnica de Catalunya, Barcelona, Catalonia, Spain, Host: Dr. Josep Díaz, May - July 2006 (12 weeks), fellowship from COMBSTRU

Université Paris-Dauphine, LAMSADE, Paris, France, Host: Dr. Vangelis Paschos, May - June 2005 (6 weeks), fellowship from DIMACS

Professional Service

Program Committee Member, 25th European Workshop on Computational Geometry, March 2009, Brussels, Belgium

Refereeing for Conferences: Conference on Combinatorial Optimization and Applications (COCOA 08), International Workshop on Combinatorial Algorithms (IWOCA 09), International Workshop on Parameterized and Exact Computation (IWPEC 09), Latin American Theoretical Informatics Symposium (LATIN 08), Workshop on Experimental Algorithms (WEA 07), International Workshop on Graph-Theoretic Concepts in Computer Science (WG 09), Algorithm and Data Structure Symposium (WADS 09).

Refereeing for Journals: Computational Geometry: Theory and Applications, Computers & Operations Research, Discrete Mathematics, Discrete Applied Mathematics, Graphs & Combinatorics, Journal of Graph Theory, Theoretical Computer Science.

Last updated: September 21, 2009