

Matjaž Kovše - Short CV (2017)

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Synopsis

Matjaž Kovše obtained his BSc and PhD at the University of Maribor, with BSc thesis *Incompleteness of formal arithmetics* on Gödel's incompleteness theorems being awarded with Perlachova nagrada for the best thesis in natural and mathematical sciences. He has held positions as a young researcher at IMFM, Slovenia, as a teaching assistant and docent - associate professor at the University of Maribor and as a postdoctoral researcher at the University of Bordeaux 1, at the Institut Fourier in Grenoble, at the University of Leipzig and at the Max Planck Institute for Mathematics in the Sciences.

His research interests lie in discrete mathematics, with emphasis on metric, geometric, structural and algorithmic graph theory, and interactions between combinatorics, geometry and topology. Further topics of interest include mathematical education and history of science.

Academic qualifications

PhD Mathematics, 03/2008, University of Maribor, Faculty of Natural Sciences and Mathematics
BSc Mathematics with Education Studies, 09/2003, University of Maribor, Faculty of Education

Current and previous appointments

Visiting Associate Professor (07/2017-) Indian Institute of Technology Bhubaneswar, Odisha, India; Postdoctoral researcher (03/2014-09/2014) Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany; postdoctoral researcher (03/2012-03/2014) Bioinformatics Group, University of Leipzig, Germany; postdoctoral researcher (11/2011-02/2012) LaBRI, University of Bordeaux 1, France; docent - associate professor (10/2010-10/2011) FNM, University of Maribor, Slovenia; postdoctoral researcher 04/2010-09/2010 Institut Fourier, Grenoble, France; postdoctoral researcher (10/2009-03/2010) LaBRI, University of Bordeaux 1, France; teaching assistant and docent - associate professor (03/2008-09/2009) FNM, University of Maribor, Slovenia; 10/2004-03/2008 young researcher IMFM, Slovenia and teaching assistant at PEF & FNM, University of Maribor, Slovenia.

Publications - summary data

Total career publications: 19 original scientific articles, 1 review article, 2 book chapters.
Metrics: 240 citations; h-index 9.

Selected publications

- F. Foucaud, **M. Kovše**, Identifying path covers in graphs, *J. of Discrete Algorithms* 23 (2013) 21-34.
- B. Brešar, J. Chalopin, V. Chepoi, **M. Kovše**, A. Labourel, Y. Vaxes, Retracts of products of chordal graphs, *J. Graph Theory*, 69 (2012) 161-180.
- F. Foucaud, E. Guerrini, **M. Kovše**, R. Naserasr, A. Parreau, P. Valicov, Extremal graphs for the identifying code problem, *European J. Combin.* 32 (2011) 628-638.
- W. Imrich, **M. Kovše**, Lattice embeddings of trees, *European J. Combin.* 30 (2009) 1142-1148.
- **M. Kovše**, Complexity of Phylogenetic Networks: Counting Cubes in Median Graphs and Related Problems, *Analysis of Complex Networks: From Biology to Linguistics*, (editors: M. Dehmer, F. Emmert-Streib), Wiley-VCH Publishing, 2009.