Dániel Marx
Curriculum Vitae

CISPA Helmholz Center for Information Security
Stuhlsatzenhaus 5, Saarland Informatics Campus
66123 Saarbrücken
Germany

EDUCATION

2005	PhD in Computer Science
	Faculty of Electrical Engineering and Informatics, Budapest University of Technology and Economics, Hungary
	Advisor: Dr. Katalin Friedl
2000	MSc in Computer Science
	Faculty of Electrical Engineering and Informatics, Budapest University of Technology and Economics, Hungary

POSITIONS

2020-	Tenured faculty
	CISPA Helmholz Center for Information Security
2019-2020	Senior researcher
	Max Planck Institute for Informatics, Saarbrücken, Germany
2012-2019	Senior research fellow
	Institute for Computer Science and Control, Hungarian Academy of Sciences (MTA SZTAKI), Hungary
2010-2011	Humboldt Research Fellowship for Experienced Researchers
	Institut für Informatik, Humboldt-Universität zu Berlin, Germany
	Host: Prof. Martin Grohe
2009-2010	Postdoc researcher
	Blavatnik School of Computer Science, Tel Aviv University, Israel
	Host: Prof. Noga Alon
2007-2009	Magyary Zoltán postdoc research fellow
	Department of Computer Science and Information Theory, Budapest University of Technology and Economics, Hungary
2007	Senior research fellow
	Informatics laboratory, Institute for Computer Science and Control, Hungarian Academy of Sciences (MTA SZTAKI), Hungary
2005-2007	Postdoc researcher
	Institut für Informatik, Humboldt-Universität zu Berlin, Germany
	Host: Prof. Martin Grohe
2003-2005	Research assistant
	Department of Computer Science and Information Theory, Budapest University of Technology and Economics, Hungary

GRANTS (AS PRINCIPAL INVESTIGATOR)

2012-2017	ERC Starting Grant "PARAMTIGHT: Parameterized complexity and the search for tight complexity results" (1.15 million EUR)
2017-2022	ERC Consolidator Grant "SYSTEMATICGRAPH: Systematic mapping of the complexity landscape of hard algorithmic graph problems" (1.532 million EUR)

STUDENTS

2005-2010	Ildikó Schlotter, PhD
	Faculty of Electrical Engineering and Informatics, Budapest University of Technology and Economics, Hungary.

POSTDOCS

2012-2014	Yixin Cao, PhD from Texas A& M University, USA
2012-2013	Laszló Egri, PhD from McGill University, Montreal, Canada
2012-2014	Sylvain Guillemot, PhD from LIRMM, Montpelier, France
2015-2017	Tillmann Miltzow, PhD from Freie Universität Berlin, Germany
2015-2016	Andreas Feldmann, PhD from ETH Zürich, Switzerland
2015-2016	Édouard Bonnet, PhD from Université Paris-Dauphine, France
2015-2016	Nick Brettel, PhD from University of Canterbury, New Zealand
2015-2016	O-joung Kwon, PhD from Korea Advanced Institute of Science and Technology
2015-2016	Valia Mitsou, PhD from City University of New York, USA
2016-2017	Pawel Rzazewski, PhD from University of Warsaw, Poland
2015-2017	Radu Curticapean, PhD from Saarland University, Germany
2016	Lin Chen, PhD from Zhejiang University, China and University of Kiel, Germany
2016-2017	Sandeep R.B., PhD from Indian Institute of Technology Hyderabad
2018-2019	Akanksha Agrawal, PhD from University of Bergen, Norway
2019	Attila Pereszlényi, PhD from National University of Singapore

EDITORIAL WORK

2018-	Algorithmica, Springer, associate editor
2014-2018	Journal of Discrete Algorithms, Elsevier, editor-in-chief
2014-	SIAM Journal on Computing, SIAM, associate editor
2012-	ACM Transactions on Computational Theory, ACM, associate editor
2010-	Combinatorica, Springer, associate editor

COMMISSION OF TRUST:

2018-	European Research Council (ERC): Member of the Computer Science Starting Grant panel
2018-2019	Member of ICALP steering committee
2015-2018	EATCS-IPEC Nerode Prize Award Committee
2010-2013	Member of IPEC steering committee

INVITED PRESENTATIONS

At scientific conferences:

2019	30th Ann. ACM-SIAM Symposium on Discrete Algorithms (SODA 2019), San Diego, USA
2017	20th Int. Conference on Database Theory (ICDT 2017), Venice, Italy
2017	23rd Int. Computing and Combinatorics Conferenc (COCOON 2017), Hong Kong, China
2016	15th Scandinavian Symposium and Workshops on Algorithm Theory (SWAT 2016), Reykjavik, Iceland
2016	Highlights of Algorithms, Paris, France
2015	Int. Workshop on Graph Decomposition, CIRM, Marseille, France, 2015
2014	39th Int. Symp. on Mathematical Foundations of Computer Science (MFCS 2014), Budapest, Hungary
2014	9th Int. Colloquium on Graph Theory and Combinatorics (ICGT 2014), Grenoble, France
2013	3rd Bertinoro Workshop on Algorithms and Graphs (BWAG 2013), Bertinoro, Italy
2013	7th European Conf. on Combinatorics, Graph Theory and Applications (EuroComb 2013), Pisa, Italy
2013	40th Int. Colloquium on Automata, Languages and Programming (ICALP 2013), Riga, Latvia
2013	Int. Workshop on Approximation, Parameterized and EXact algorithms (APEX 2013), Riga, Latvia
2013	7th Int. Frontiers of Algorithmics Workshop (FAW 2013), Dalian, China
2013	13th Workshop on Interdisciplinary Applic. of Graph Theory, Combinatorics, and Algorithms, Haifa, Israel
2013	30th Int. Symposium on Theoretical Aspects of Computer Science (STACS 2013), Kiel, Germany
2012	7th Int. Symposium on Parameterized and Exact Computation (IPEC 2012), Ljubljana, Slovenia
2011	37th Int. Workshop on Graph-Theoretic Methods in Computer Science (WG 2011), Teplá, Czechia
2010	Int. Workshop on Tractability, Microsoft Research, Cambridge, UK

At mini courses/summer schools:

2017	Recent Advances in Parameterized Complexity, Tel Aviv, Israel
2015	Fine-Grained Complexity and Algorithm Design Boot Camp, Simons Institute, Berkeley, USA
2015	Minicourse on Parameterized Algorithms and Complexity, Jagiellonian University, Krakow, Poland
2014	School on Parameterized Algorithms and Complexity, Bedlewo, Poland
2013	14th Max Planck Advanced Course on the Foundations of Computer Science, Saarbrücken, Germany
2009	Open lectures for PhD students in computer science, University of Warsaw, Poland
2009	AGAPE'09 Spring School on Fixed Parameter and Exact Algorithms, Lozari, Corsica, France

TECHNICAL PROGRAM COMMITTEES:

2021	chair, 32nd Ann. ACM-SIAM Symposium on Discrete Algorithms (SODA)
2020	61st Annual IEEE Symposium on Foundations of Computer Science (FOCS)
2018	chair, 45th International Colloquium on Automata, Languages and Programming (ICALP)
2017	44th International Colloquium on Automata, Languages and Programming (ICALP)
2017	28th ACM-SIAM Symposium on Discrete Algorithms (SODA)
2015	56th Annual IEEE Symposium on Foundations of Computer Science (FOCS)
2014	22nd European Symposium on Algorithms (ESA)
2013	45th ACM Symposium on Theory of Computing (STOC)
2013	24th ACM-SIAM Symposium on Discrete Algorithms (SODA)
2011	co-chair, 6th International Symposium on Parameterized and Exact Computation (IPEC)
2011	28th International Symposium on Theoretical Aspects of Computer Science (STACS)
2010	37th International Colloquium on Automata, Languages and Programming (ICALP)

+ WADS 2019, IPEC 2019, SOSA 2018, HALG 2018, CIAC 2017, WALCOM 2016, EuroComb 2015, FAW 2015, SWAT 2014, FAW 2014, MFCS 2013, WG 2013, MEMICS 2012, IPEC 2010, LATIN 2010, IWPEC 2009, IWOCA 2009, IWPEC 2008, ESA 2007, IWPEC 2006

SCIENTIFIC EVENT ORGANIZATION

Fine-Grained Complexity and Algorithm Design, Simons Institute for the Theory of Computing (semester program), Berkeley, USA, August-December 2015

Satisfiability Lower Bounds and Tight Results for Parameterized and Exponential-Time Algorithms (workshop), Simons Institute for the Theory of Computing, Berkeley, USA, 2015

Worker 2015: Workshop on Kernelization, Norway, 2015

Co-organizer of Dagstuhl Seminars 07281, 09511, 12241, 12451, 13421, 14451, 15301, 16221, 18231, 19041, Schloss Dagstuhl – Leibniz-Zentrum für Informatik, Germany