

Doc. Milan Hladík, Ph.D. – Curriculum Vitae

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Education

- (2003 – 2006): PhD study at Charles University, Faculty of Mathematics and Physics, branch of study: Econometrics and operations research.
- (1997 – 2003): Master study at Charles University, Faculty of Mathematics and Physics, branch of study: Discrete mathematics and optimization.

Current positions

- *since 2015:* associate professor,
Department of Applied Mathematics, Charles University, Czech Republic
- *since 2012:* external researcher,
Faculty of Informatics and Statistics, University of Economics, Czech Republic

Previous positions

- (2008 – 2015): Assistant professor at Charles University, Faculty of Mathematics and Physics, Department of Applied Mathematics.
- (2007 – 2008): Postdoc position in COPRIN team at INRIA, Sophia Antipolis, France. Research subject: Interval linear algebra.
- (2006 – 2007): Junior researcher at Charles University, Faculty of Mathematics and Physics, Department of Applied Mathematics.

Teaching experiences

- Courses that I introduced and taught at Charles University: Interval methods, Optimization seminar.
- Courses that I taught at Charles University: Linear algebra I, II and III, Integer programming, Multicriteria optimization, Fundamentals of nonlinear optimization, Nonlinear optimization algorithms, Discrete and Continuous Optimization.

Supervision of students

- *defended:* 2 PhD, 6 master and 15 bachelor students
- list of defended PhD students:
 - Martin Schmid (one of the main authors of the Science paper on DeepStack)
 - Jaroslav Horáček (young scientists award from MatTriad'13)
- currently advising PhD students: Elif Garajová, Matej Moravčík

Research areas

- Interval analysis, operations research and optimization (parametric, global, multiobjective, sensitivity analysis), numerical analysis, matrix theory and linear algebra, regression problems, computational complexity.

Principal investigator of awarded grants

- *Novel approaches for relaxation and approximation techniques in deterministic global optimization*, 2018-2020, GAČR grant P403-18-04735S
- *Interval methods for optimization problems*, 2013-2017, GAČR grant P402-13-10660S

Prizes and awards

- the best paper winner of the Rector's research publication prize, University of Economics, Prague, for years 2012 and 2013
- the best paper winner of the Dean's research publication prize, Faculty of Informatics and Statistics, University of Economics, Prague, 2011 and 2013

Other activities

Selected invited plenary talks at conferences:

- *The role of interval linear algebra in global optimization*, 1st International Workshop on Trusted Numerical Computations, TNC 2018, June 19–20, Krakow, Poland.
- *Interval Programming*, workshop for the 7th International Conference of Iranian Operations Research Society, OR 2014, May 12-13, Semnan, Iran.
- *New directions in interval linear programming*, 15th GAMM-IMACS International Symposium on Scientific Computing, Computer Arithmetic and Verified Numerical Computations, SCAN 2012, September 23-29, Novosibirsk, Russia.

Organization of scientific meetings:

- MAT-TRIAD 2019, Int. Conf. on Matrix Analysis and its Applications, Liblice,
- SWIM 2015, 8th Small Workshop on Interval Methods, Prague.

Membership in editorial boards:

- Journal of Mathematical Modeling (since 2020)
- Mathematical Innovations (since 2019)
- European Journal of Operational Research (since 2018)
- Reliable Computing (since 2016)
- International Journal of Fuzzy Computation and Modelling (since 2013, Associate Editor since 2018)

Summary of publications and citations

- 84 papers in impacted journals, 7 in non-impacted ones and 55 in conf. proceedings,
- non-self citations: 613 by WoS, 734 by Scopus,
- H-index: 17 by WoS, 19 by Scopus