

prof. Mgr. Milan Hladík, Ph.D. – Curriculum Vitae

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Education and academic degrees

- *2022:* full professor (Prof.), Charles University
- *2015:* associate professor (Doc.), Charles University
- *(2003 – 2006):* PhD study at Charles University,
branch of study: Econometrics and operations research.

Current positions

- *since 2022:* full professor at KAM MFF UK,
since 2023: head of Department of Applied Mathematics,
- *since 2012:* external researcher,
Prague University of Economics and Business, Faculty of Informatics and Statistics

Previous positions

- *(2015 – 2022):* associate professor at KAM MFF UK
- *(2008 – 2015):* assistant professor at KAM MFF UK
- *(2007 – 2008):* postdoc position in COPRIN team at INRIA, Sophia Antipolis,
France. Research subject: Interval linear algebra.
- *(2006 – 2007):* junior researcher at KAM MFF UK

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:* 4 PhD, 8 master and 19 bachelor students
- list of defended PhD students:
 - Elif Garajová, 2024, (PI of two GAUK grants)
 - Matej Moravčík, 2014, and Martin Schmid, 2021,
(main authors of the Science paper on DeepStack)
 - Jaroslav Horáček, 2019, (young scientists award from MatTriad'13)
- currently advising PhD students: Martin Černý, Cyril Kotecký

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

- *Advanced theory of robustness in operations research and optimization models*, 2025–2027, GAČR grant 25-15714S
- *Global sensitivity analysis and stability in optimization problems*, 2022-2024, GAČR grant P403-22-11117S
- *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, 2013, 2016, 2017

Other activities

Selected invited plenary talks at conferences:

- *Interval linear programming and its applications*, 43rd International Conference on Mathematical Methods in Economics, MME 2025, September 3–5, 2025, Zlín
- *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:

- LION'19 2025 19th Learning and Intelligent Optimization Conference, 2025, Prague
- DIS 2023 6th International Conference on Dynamics of Information Systems, Prague
- 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

- 119 papers in journals, and 67 in conference proceedings; 1 book
- non-self citations: 775 by WoS, 1512 by Scopus,
- H-index: 22 by WoS, 24 by Scopus