

Curriculum vitae: Marie Duží (Du\{v\{z\}\{i\})

Current affiliation: Professor in VSB-Technical University of Ostrava, Department of Computer Science;
Faculty of Electrical Engineering and Computer Science, Ostrava, Czech Republic.

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Education and academic qualifications:

- 1963-1966 Secondary school in Opava
- 1966-1971 Masaryk University of Brno, Faculty of Natural Sciences, majored in *mathematics*, graduated with the thesis on *Modular lattices*
- 1982-1985 Technical University of Brno, post-gradual studies, Data Processing and Theory of Databases. Thesis: *Computer Aided Design of a Database Using HIT Data Model*.

Degrees:

- 1982: RNDr. – Doctor of Natural Sciences (Masaryk university of Brno), *Theoretical cybernetics, mathematical informatics and theory of systems*
- 1992: CSc. – Candidate of Philosophical Sciences (Institute of Philosophy, Czech Academy of Sciences), specialization *logic*, thesis: *Logic and Data Semantics*
- 2002: Docent – VSB-Technical University of Ostrava. Habilitation thesis: *Logical Foundations of Conceptual modelling*.
- 2016: Professor of Computer Science

Relevant professional practice:

- 1971-1985 Institute of Computer Science, Ostrava, programmer – analyst; analysis, design and implementation of the Production Control System of Moravian construction companies
- 1985-1990 CKD Tatra Praha, analyst and database administrator
- 1990-1992 Charles University of Prague, Institute of Computer Science, assistant professor, teaching logic and foundations of computer science
- 1992-1994 Czech Technical University of Prague, assistant professor, teaching logic and theory of databases; analysis and design of the Faculty Information System (implemented in Oracle, 1994)
- 1994-1996 Exact Holding B.V., s.r.o., Delft, Holland, analyst
- 1996-2001 Silesian University of Opava, Faculty of Philosophy and Sciences, Institute of Computer Science, assistant professor, teaching logic and theory of databases
- 2001- VSB-Technical University Ostrava, Faculty of Electrical Engineering and Computer Science, Department of Computer Science
- 2003- Charles University of Prague, Faculty of Philosophy, Department of Logic
- 2015- Masaryk University of Brno, Faculty of Computer Science

Pedagogical practice – courses: Mathematical Logic; Logic in Practice; Transparent Intensional Logic; Natural Language processing; Logic and Functional Programming; Principles of Logical Analysis; Intelligent Systems; Logic and Theory of Concepts; Conceptual Modelling; Theory of Formal Systems; Introduction to Logical Thinking.

Languages: English, Russian, German (passive), Polish (passive)

Research areas: Transparent Intensional Logic, natural language analysis and processing, procedural semantics and hyperintensionality, extensional logic of hyperintensions

ORCID <https://orcid.org/0000-0002-5393-6916>

Summary of publication results according to Web of Science:

Results found: 93; Sum of Times Cited: 397, Without self-citations: 159;
Citing Articles: 172, without self-citations: 113; h-index: 10

The complete list of my publications can be found at my web page: <http://www.cs.vsb.cz/duzi/>

Research activities and projects:

- The University of Oxford project "*The Necessity of God's Existence: Divine Names and Modality*" from the Ian Ramsey Centre at the University of Oxford and the John Templeton Foundation, co-investigator, 2023-2025.
- The University of Oxford project '*New Horizons for Science and Religion in Central and Eastern Europe*' funded by the John Templeton Foundation, co-investigator, 2020-2023.

- *GACR project* No. 18-23891S (2018-2020), *Hyperintensional Reasoning over Natural Language Texts* (with Aleš Horák, MUNI Brno, Faculty of Computer Science)
- *GACR project* No. 15-13277S (2015-2017), *Hyperintensional logic for natural-language analysis* (with Aleš Horák, MUNI Brno, Faculty of Computer Science)
- *ESF Project* No: CZ.1.07/2.2.00/28.0216; *Logika: systémový rámec oboru v ČR a koncepce logických propedeutik pro mezioborová studia* (with Westbohemian University of Plzen), 2012-2015
- *ESF Project* No: CZ.1.07/2.2.00/28.0209; *Elektronické opory a e-learning pro obory výpočtového a konstrukčního charakteru* (with Westbohemian University of Plzen), 2012-2015
- *ESF Project* No.: CZ.1.07/2.2.00/07.0217; *ORGANON – Learning Management System (LMS) for Logic Courses*. Supported by European Science Foundation (ESF), 2009-2013. (with Westbohemian University of Plzen);
- *GACR project* No. 401/10/0792, *Temporal aspects of knowledge and information*, 2010-2012 (with Pavel Materna, Institute of Philosophy AVCR and Masaryk University Brno, Faculty of Computer Science).
- *GACR project* No. 401/09/H007, *Logical Foundations of Semantics*, 2009-2012. (with Charles University of Prague)
- *GACR project* No. 401/07/0451, *Semantisation of Pragmatics*, 2007-2009, with Pavel Materna, Institute of Philosophy, AV CR.
- *Project* No. 1ET101940420: "*Logic and Artificial Intelligence for multi-agent systems*"; supported by the program "Information Society" of the Czech Academy of Sciences. 2004-2008.
- *GACR project* No. 401/04/2073, *Transparent intensional logic* (a systematic exposition): 2004-2006, co-researcher with Pavel Materna, Institute of Philosophy, AV CR, Prague);
- *GACR project* No. 401/03/H047, *Logical Foundations of Semantics and Knowledge representation*, 2003-2007; with Charles University Prague, Department of Logic;
- International Research on the *Logical explication of perspectives* (Points of View). *Jean Nicod Institute Paris*; 2003-2004
- *GACR project* No. 401/03/1403, *Principles of Logical Analysis of Language and Intensional Logic*, 2003-2004
- *GACR project* No. 401/99/0001, *The role of constructions in Transparent Intensional Logic*, 1999-2001 — evaluated as excellent;
- *Conceptual Modelling*. grant No. 166/1998, Research Support Scheme of the Open Society Support Foundation: „*Conceptual Representation in the Information Society*“ (1998-2000);

Awards:

- 2011: The Council of the Academy of Sciences of the Czech Republic has presented the authors of the book *Procedural Semantics for Hyperintensional Logic* with its prestigious award for *outstanding results of major scientific importance*.
- 2008: The rector of VSB-Technical University Ostrava presented Marie Duží with the award for *outstanding results* in the development of science and research in the university

Invited lectures and stays in numerous universities abroad, including, inter alia:

- *Australia*. University of Western Australia, Murdoch University, *Perth*;
- *Finland*. Technical University of *Tampere Pori*, University of *Helsinki*, University of *Jyväskylä*;
- *France*. Université *Paris I Pantheon-Sorbonne*;
- *Germany*. University of *Tuebingen*, University of *Leipzig*; Ludwig-Maximilians-Universität *München*;
- *Israel*. University of *Haifa*;
- *Japan*. National Institute of Communication Technologies, *Kyoto*, KEIO University *Tokyo*;
- *Poland*. University of John Paul II, *Cracow*;
- *Spain*. University of *Barcelona*, LOGOS-Grup de Recerca en Lògica, Llenguatge i Cognició;
- *The Netherlands*. University of *Rotterdam*, University of *Amsterdam*, University of *Gröningen*, *Delft* University of Technology, University of *Leiden*, University of *Utrecht*.