

**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, specialisation mathematics, graduated with the thesis on *Modular lattices*

1982-1985 Technical University of Brno, post-gradual studies, specialisation 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), specialisation: *Theoretical cybernetics, mathematical informatics and theory of systems*

1992: CSc. – Candidate of Philosophical Sciences (Institute of Philosophy, Czech Academy of Sciences), specialisation 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.

**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

**Summary of publication results according to Web of Science:**

Results found: 60; Sum of the Times Cited: 132; Sum of Times Cited without self-citations: 62;

Citing Articles: 75; Citing Articles without self-citations: 42; h-index: 7

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

### **Research activities and projects:**

- *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; *Sweden*: Department of Mathematics, Stockholm University; *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 Groningen, Delft University of Technology, University of Leiden;