

## Curriculum vitae

**Marie Duží** (Du\{z}\{i})

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

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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 *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 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  
2005- 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

**Publication activities:** 2 monographs, 5 textbooks, 14 chapters in books, 49 papers in scientific journals, 77 papers in the proceedings of conferences; the complete list of my publications can be found at my web page: <http://www.cs.vsb.cz/duzi/>

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

Results found: 45;  
Sum of the Times Cited: 72;  
Sum of Times Cited without self-citations: 32;  
Citing Articles: 48; Citing Articles without self-citations: 24;  
Average Citations per Item: 1.60;  
h-index: 5

**Research activities and projects:**

- *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.

*Austria:* University of *Klagenfurt*, Technical University of *Vienna*;

*Finland:* Technical University of *Tampere Pori*, University of *Helsinki*, University of *Jyvaskylä*;

*France:* Université *Paris I Pantheon-Sorbonne*;

*Germany:* University of *Tuebingen*, University of *Leipzig*; Ludwig-Maximilians-Universität München

*Great Britain:* *Oxford*, Balliol college;

*Israel:* University of *Haifa*;

*Japan:* National Institute of Communication Technologies, *Kyoto*, KEIO University *Tokyo*;

*Poland:* University of John Paul II, Cracow

*Romania:* University of *Bucharest*;

*Slovakia:* Comenius University of Bratislava;

*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*;