

Curriculum vitae

Name: Marie Duží, Bernardová

Born: October 11th, 1948, Ostrava, Czech Republic

Education:

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 course, specialisation Data Processing and Theory of Databases. Thesis: *Computer Aided Design of a Database Using HIT Data Model*.

Degrees:

RNDr. – Doctor of Natural Sciences (Masaryk university of Brno, 1982), specialisation: Theoretical cybernetics, mathematical informatics and theory of systems

CSc. – Candidate of Philosophical Sciences (Institute of Philosophy, Czech Academy of Sciences, 1992), specialisation Logic, thesis: “*Logic and Data Semantics*”

Docent – VSB-Technical University of Ostrava, (2002). Habilitation thesis: “*Logical Foundations of Conceptual modelling*”.

Relevant practice:

1971-1985 Institute of Computer Science, Ostrava, programmer - analyst
Analysis, design and implementation of the Production Control System of Moravian building enterprises

1985-1990 CKD Tatra Praha, database administrator

1990-1992 Charles University of Prague, Institute of Computer Science, teaching logic

1992-1994 Czech Technical University of Prague, assistant professor, teaching logic and theory of databases, assistant professor
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 Informatics, assistant professor, teaching logic and theory of databases

2003- Charles University of Prague, Faculty of Philosophy, Department of Logic, associate professor.

Present position (since 2001):

VSB-Technical University of Ostrava, Faculty of Electrical Engineering and Informatics, Department of Computer Science, associate professor

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

Pedagogical practice – courses:

Mathematical Logic; Introduction to Logic; Logic and Functional Programming;
Transparent Intensional Logic; Intelligent Systems; Principles of Logical Analysis; Logic and Theory of Concepts; Conceptual Modelling; Theory of Formal Systems.

Disertation thesis: M. Duží: *Logic & Data Semantics*. Charles University of Prague, 1991.

Post-gradual thesis: M. Duží: *Computer Aided Design of a Database Using HIT Data Model*. Technical University of Brno, 1985.

Habilitation thesis: M. Duží: *Logical Foundations of Conceptual Modelling*. VŠB-Technical University of Ostrava, 2002.

Research activities:

- Logical Analysis of Natural Language (**grant** GACR n. 401/99/0001 – The role of constructions in Transparent Intensional Logic – evaluated as excellent)
- Conceptual Modelling. **grant** n. 166/1998, Research Support Scheme of the Open Society Support Foundation: „Conceptual Representation in the Information Society“.
- International Research on the Logical explication of perspectives (Points of View). Jean Nicod Institute Paris.
- Principles of Logical Analysis of Language and Intensional Logic: supported by **grant** GACR n. 401/03/1403.
- Transparent intensional logic (a systematic exposition): supported by **grant** GACR n. 401/04/2073
- Logical Foundations of Semantics and Knowledge representation: supported by **grant** GACR n. 401/03/H047
- 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. (Funding: cca 13 mil. Kč)
- Project No. GACR 401/07/0451, Semantisation of Pragmatics, 2007-2009. (Funding: 666 tis. Kč)
- Project No. 401/09/H007: Logical Foundations of Semantics. Supported by GACR, 2009-2012. (with Charles University of Prague, co-applicant funding: 269 x 4 = 1076 tis. Kč)
- ORGANON – Learning Management System (LMS) for Logic Courses. Supported by European Science Foundation (ESF), 2009-2013. Project No.: CZ.1.07/2.2.00/07.0217 (with Westbohemian University of Plzen, co-applicant funding: 4109 tis. Kč)
- Project No. 401/10/0792: Temporal aspects of knowledge and information, 2010-2012. (Funding: 447 tis. Kč *per year*).
- FEECS VSB-TU Ostrava - IGA 22/2009, ‘Modeling, simulation and verification of software processes’.
- Grant agency of VSB-TU of Ostrava - SP2011/56 Knowledge approach to the modeling, simulation and visualization of software processes.

Invited lectures and stays (since 2004):

2011

- University of Western Australia, Perth: zvané přednášky na téma „Extenzionální logika hyperintensi“ a „Strasonovské vs Russellovské určité deskripec“
- Murdoch university, Perth, Australia: zvaná přednáška na téma „základy Transparentní intensionální logiky“

2010

- *University of Leuven, Belgie, 14.1. – 17.1. 2010*, zvaná přednáška na téma “Strawsonian vs. Russellian definite descriptions”
- *University of Amsterdam, the Netherlands, 2.3. – 10.3. 2010*
- *Delft University of Technology, the Netherlands, 22.8. – 29.8. 2010*

2009

- *Technická universita Tampere, Pori, Finsko, 26.10. – 22.11. 2009*, spolupráce na projektu **Com-Reas**, „*Communication and Reasoning of Agents in a Multiagent World*“, financovaném Academy of Finland.

2008

- *University of Jyväskylä* (6.4. - 26.4. 2008, tři zvané přednášky, a spolupráce na projektu vývoje inteligentních systémů v multi-kulturním prostředí)
- *Krakow, Jagelloňská universita*, 3.10.-6.10.2008
- *Paris, Sorbonna, Joint Paris-Arche workshop*; 28.2.-2.3.2008

2007

- *National Institute of Communication Technologies, Kyoto, KEIO University Tokyo, Japan*, 5.3.-12.3. 2007
- *Delft university of Technology*, 20.1.-26.1. 2007, zvaná přednáška "*Communication between agents in a multi-agent world*"
- *University of Oxford, Balliol college*, 3.11-4.11. 2007

2006

- *Technická universita Tampere, Pori*, 3.9.-23.9.2006
- *Université Paris I Panthéon-Sorbonne*, 6.11. - 19.11. 2006
- *Universita Komenského Bratislava*, 13.12. - 17.12. 2006

2005 (v tomto roce nejsou v informačním systému Katis uvedena přesná data stáží)

- *Delft University of Technology, the Netherlands* (týdenní pobyt a zvaná přednáška, září)
- *Sorbonna University Paris, France* (týdenní pobyt, květen)

2004 (v tomto roce nejsou v informačním systému Katis uvedena přesná data stáží)

- *University of Tuebingen* (týdenní pobyt a zvaná přednáška, březen)
- *University of Leipzig, Germany* (týdenní pobyt a zvaná přednáška, květen)
- *Technical University of Tampere Pori* (dvou-týdenní pobyt, září)
- *University of Helsinki, Finland* (týdenní pobyt a zvaná přednáška, duben)
- *University of Rotterdam, University of Amsterdam, University of Groningen, the Netherlands* (týdenní pobyt a zvané přednášky, říjen).

Other activities:

The head of the Research Laboratory of Intelligent Systems, see <http://labis.vsb.cz/>

Member of the editorial board of the philosophical journal *Organon F*, SAV Bratislava. Slovak Republic

Member of the Program Committee VLDB'93

Member of the Program Committee (since 1999) "European-Japanese Conference on Information Modelling and Knowledge Bases".

Member of the Program Committee Datakon

Permanent reviewer (since 1985) for "Zentralblatt für Mathematik"

Leading member of the Panel 401 „Philosophy and Theology“, Grant Agency of the Czech republic.

Reviewer for International Journal of Web and Grid Services.

Organizing (with P. Materna) workshop on "*Structured Meanings*" in the "Sixth European Congress of Analytic Philosophy", see <http://ecap.phils.uj.edu.pl/welcome>

Organizing (with B. Jespersen and P. Materna) a special symposium on "*Extension, Intension, Hyperintension*" in the "14th Congress of Logic, Methodology and Philosophy of Science", see <http://www.clmps2011.org/>

Rewards:

2008: award of the rector of VSB-Technical University Ostrava for outstanding results in the development of science and research in the university

July **2011**: The Council of the Academy of Sciences of the Czech Republic has presented *Procedural Semantics for Hyperintensional Logic* with its prestigious *award for outstanding results of major scientific importance*.

LIST OF SELECTED PUBLICATIONS:

Book (with B. Jespersen and P. Materna): *Procedural Semantics for Hyperintensional Logic; Foundations and Applications of Transparent Intensional Logic*. Springer series Logic, Epistemology, and the Unity of Science, vol. 17, 2010, ISBN 978-90-481-8811-6.

Chapters in a book:

- Duží, M.: *Dowody ontologiczne św. Anzelma*. In knize. Ed. Stanislaw Wszolek, Krakow: Copernicus Center Foundation, 2011, 35-68, ISBN 978-83-62259-07-6
- Duží, M., Číhalová, M., Menšík, M.: *Ontology as a logic of intensions*. In *Information Modelling and Knowledge Bases*. Ed. Heimbürger A., Kiyoki Y., Tokuda T., Jaakkola H., Yoshida N., IOS Press: Amsterdam, 2011, vol. XXII, 1-20, 978-1-60750-689-8
- DUŽÍ Marie, JESPERSEN Bjørn, MATERNA Pavel. The Logos of Semantic Structure. In: *Philosophy of Language and Linguistics*, vol. 1: The Formal Turn. P. Stalmaszczyk (ed.). Frankfurt: Ontos Verlag, 2010, ISBN 978-3-86838-070-5, pp. 85-102.
- DUŽÍ Marie. Pojmové postoje. In: *Logika a přirozený jazyk*, Svoboda, V. a kol., Praha: Filosofia. 2010, ISBN 978-80-7007-325-4, pp. 263-290.
- DUŽÍ Marie, HEIMBÜRGER Anneli and SHENGHUA Liu. Will a cross-cultural multi-agent system be able to educate us? In: *Future Educational Technologies*. Hannakaisa Isomäki, Päivi Häkkinen, Jarmo Viteli (eds.). Jyväskylä: Publications of Information Technology Research Institute 20/2009. University Printing House, 2009, ISBN 978-951-39-3758-4, ISSN 1236-1615, total 197 p., pp. 123-147.
- DUŽÍ Marie, JESPERSEN Bjørn and MATERNA Pavel. 'Pi' in the Sky. In: *Acts of Knowledge: History, Philosophy and Logic*. Essays dedicated to Göran Sundholm. G. Primiero and S. Rahman (eds.). London: College Publications Tribute Series 1, 2009, ISBN 978-1-904987-92-5, pp. 357-372.
- DUŽÍ Marie. Presupposition vs. allegation. In: *After Half a Century of Slavonic Natural Language Processing*. D. Hlaváčová, A. Horák, P. Rychlý and K. Osolsobě (eds.). Brno: Masaryk University, 2009, ISBN 978-80-7399-815-8, pp. 1-16.
- DUŽÍ Marie and MATERNA Pavel. Logical Form. In: *Essays on the Foundations of Mathematics and Logic 1*. Advanced Studies in Mathematics and Logic, G. Sica (ed.). Monza, Italy: Polimetrica International Scientific Publisher 2005, ISBN 978-88-7699-014-4, pp. 115-154.
- DUŽÍ Marie. Do we have to deal with partiality? In: *Miscellanea Logica V*, K. Bendová and P. Jirků (eds.), Prague: Karolinum, 2003, ISBN 80-246-0799-9, pp. 45-76.
- DUŽÍ Marie. Two approaches to conceptual data modelling. In: *Topics in Conceptual Analysis and Modelling*, Prague: Filosofia, Czech Academy of Sciences, 2000, ISBN 80-7007-136-2, pp. 305-340.
- DUŽÍ Marie. Conceptual data modelling using Transparent Intensional Logic. *Studies in Logic and Philosophy*, vol. 4, Prague: AS CR, 1999, pp. 13-34.
Revised vision repr. in: *Topics in Conceptual Analysis and Modelling*. Prague.

University textbooks

- DUŽÍ Marie. *Matematická logika*. Ostrava: VŠB-Technical University. 131 p., available at <http://www.cs.vsb.cz/duzi/Matlogika.pdf>
- DUŽÍ Marie and MATERNA Pavel. *Constructions*, 2000, 89 p., retrievable at http://til.phil.muni.cz/text/constructions_duzi_materna.pdf
- DUŽÍ Marie. *Konceptuální modelování* (datový model HIT). Opava: Silesian University, 2000, ISBN 80-7248-062-6. 98 p.
- DUŽÍ Marie, KREJČÍ František, MATERNA Pavel, STANIČEK Zdenko. *HIT Method of the Database Design*. VUT Brno, Prague 1986.

Papers in journals

- DUŽÍ Marie and JESPERSEN Bjørn: Existential Quantification into Hyperintensional contexts *de re*. To appear in *Logic and Logical Analysis*.
- DUŽÍ Marie and JESPERSEN Bjørn: Existential Quantification into Hyperintensional contexts *de dicto*. Submitted into *Logic, Language and Information*.
- DUŽÍ Marie, JESPERSEN Bjørn and MATERNA Pavel: John Loves his wife and so does Peter. Submitted into the *Journal of Philosophical Logic*.

- Kożusznik, J., Štolfa, S., Košinár, M., Duží, M., Číhalová, M., Vondrák, I.: *Know How and Know What for Software Processes*. In *Journal Communications in Computer and Information Science*, 2011.
- DUŽÍ Marie. The paradox of inference and the non-triviality of analytic information. *Journal of Philosophical Logic*, 2010, vol. 39, No. 5, pp. 473-510. ISSN 0022-3611 (Print) 1573-0433 (Online), DOI 10.1007/s10992-010-9127-5.
- DUŽÍ Marie and MATERNA Pavel. Can concepts be defined in terms of sets? *Logic and Logical Philosophy*, 2010, to appear.
- DUŽÍ Marie. St. Anselm's Ontological Arguments. *Polish Journal of Philosophy*, 2010, to appear.
- DUŽÍ Marie. Topic-focus articulation from the semantic point of view. *Computational Linguistics and Intelligent Text Processing*, 2009, Springer, LNCS vol. 5449, pp. 220-232.
- DUŽÍ Marie. Strawsonian vs. Russellian definite descriptions. *Organon F*, 2009, vol. XVI, No. 4, pp. 587-614.
- DUŽÍ Marie. TIL as the Logic of Communication in a Multi-Agent System. *Research in Computing Science*, 2008, vol. 33, special issue Advances in Natural Language Processing and Applications, pp. 27-40. ISSN 1870-4069.
- DUŽÍ Marie, JESPERSEN Bjørn and MATERNA Pavel. Points of View from a Logical Perspective II. *Organon F*, 2007, XIV, No. 1, pp. 5-31.
- DUŽÍ Marie. Kritické připomínky ke studii Jiřího Raclavského o hledání a nalézání. *Organon F*, 2006, XIII, No. 1, pp. 62-73.
- DUŽÍ Marie. Informativnost matematických či analyticky pravdivých tvrzení a paradox inference. *Filosofický časopis*, 2006, vol. 54, č. 4, 501-522.
- DUŽÍ Marie. Hledání (a nalézání). *Organon F*, 2006, vol. XIII, No. 2, pp. 189-206.
- DUŽÍ Marie, JESPERSEN Bjørn and MATERNA Pavel. Points of View from a Logical Perspective I. *Organon F*, 2006, vol. XIII, No. 3, pp. 277-305.
- MATERNA Pavel and DUŽÍ Marie. Parmenides Principle. *Philosophia, Philosophical Quarterly of Israel*, 2005, vol. 32 (1-4), Bar-Ilan University, Israel, pp. 155-180.
- DUŽÍ Marie. Kurt Gödel. Metamathematical results on formally undecidable propositions: Completeness vs. Incompleteness. *Organon F*, 2005, vol. XII, No. 4, pp. 447-474.
- DUŽÍ Marie. Intensional Logic and the Irreducible Contrast between *de dicto* and *de re*. *ProFil*, 2004, vol. 5, No. 1, pp. 1-34, ISSN 1212-9097.
http://profil.muni.cz/01_2004/duzi_de_dicto_de_re.pdf
- DUŽÍ Marie and MATERNA Pavel. A Procedural Theory of Concepts and the Problem of Synthetic *a priori*. *Korean Journal of Logic*, 2004, vol. 7, No. 1, pp. 1-22. ISSN 1598-7493 9.
- DUŽÍ Marie. Notional Attitudes (On wishing, seeking and finding). *Organon F*, 2003, vol. X, No. 3, pp. 237-260.
- DUŽÍ Marie. (Dva omyly Bělohradovy kritiky) a ještě jedna nepřesnost. *Organon F*, 2003, vol. X, No. 1, pp. 84-85.
- DUŽÍ Marie. Znovu o homonymii, *de dicto/de re* a významu. *Organon F*, 2001, vol. VIII, No. 4, pp. 409-411.
- DUŽÍ Marie. Homonymie, *de dicto/de re* a význam. *Organon F*, 2001, vol. VIII, No. 3, pp. 235-251.
- DUŽÍ Marie. *De re* vs. *de dicto*. *Organon F*, vol. VII, No. 4, 2000, pp. 365-378.
- DUŽÍ Marie. Propoziční / pojmové postoje: postoje ke konstrukcím nebo k intenzím? *ORGANON F*, příloha *Denotácia, referencia a význam*. Bratislava: Filosofický ústav SAV, 2000, ISSN 1335-0668, pp. 46-57.
- DUŽÍ Marie. Propoziční postoje, homonymie, synonymie a ekvivalence výrazů. *Organon F*, vol. III, No. 2, 1996, pp. 101-112.
- DUŽÍ Marie and MATERNA Pavel. Rules of Existential Quantification into Intentional Contexts, Belief Sentences. *Studies in Logic and Philosophy*, vol. 1, Prague: AS CR, 1996.
- DUŽÍ Marie and STANIČEK Zdenko. Project UNIS: A Contribution to the CASE Technology. *Database Technology*, Pergamon Press, vol. 4, No. 2, 1991, pp. 79-86.
- DUŽÍ Marie. Functional Approach to the Specification of Distributed Database Systems. *Database Technology*, Pergamon Press, vol. 4, No. 1, 1991, pp. 69-76.
- DUŽÍ Marie and MATERNA Pavel. Distinguishing Capability vs. Informational Capability of Attributes. *Computers & Artificial Intelligence*, vol. 9, No. 2, 1990, pp. 169-185.
- DUŽÍ Marie and MATERNA Pavel. Informational capability and distinguishing force of database attributes. *Database Technology*, Pergamon Press, vol. 2, No. 2, 1988, pp. 4-9.
- DUŽÍ Marie, MATERNA Pavel and STANIČEK Zdenko. Information capability of a database schema. *Kybernetika*, vol. 24, No. 3, 1988, pp. 216-226.
- DUŽÍ Marie, KREJČÍ František and STANIČEK Zdenko. Database Project UNIS (a UNIFIED database development Support system). *Data & Knowledge Engineering*, vol. 3, 1988, North-Holland, pp. 163-172.

Reviewed papers in the proceedings of conferences

2011

- Duží, M., Číhalová, M., Menšík, M., Vích, L.: Process ontology. In *RASLAN 2010*. Ed. P. Sojka, Brno: CNP MUNI, 2011, 77-88, ISBN 978-80-7399-246-0
- Duží, M., Číhalová, M., Menšík, M.: Communication in a multi-agent system based on Transparent Intensional Logic. In *Mendel 2011*, ed. Matousek, R., Brno: VUT, 2011
- Duží, M., Menšík, M., Číhalová, M., Dostálová L.: E-learning support for logic education. In *DEIS 2011*. Ed. E. Ariwa and E. El-Quawasmeh, Berlin, Heidelberg: Springer-Verlag, 2011, vol. 2011, No.: CCIS 194, pp. 560-568
- Duží, M., Číhalová, M., Menšík, M.: *Ontology as a logic of intensions*. In *Information Modelling and Knowledge Bases*. Ed. Heimbürger A., Kiyoki Y., Tokuda T., Jaakkola H., Yoshida N., Amsterdam: IOS Press, 2011, 1, vol. XXII, 1-20, 978-1-60750-689-8

2010

- Duží Marie. Tenses and truth-conditions: a plea for *if-then-else*. In *the Logica Yearbook 2009*, Peliš, M. (ed.), London: College Publications, 2010, ISBN 978-184890-009-7, pp. 63-80.
- Duží Marie and MATERNA Pavel. Co je a co není kontextualismus. In: *Kontext a význam*. Zouhar M. (ed.), Bratislava: Filozofický ústav SAV, pp. 11-21, ISBN 978-80-8949-00-1
- Duží Marie and MATERNA Pavel. Concepts as structured meanings. In *The Analytical Way, Proceedings of the 6th European Congress of Analytic Philosophy, ECAP VI*, Tadeusz Czarnecki, Katarzyna Kijania-Placek, Olga Poller, Jan Woleński (eds.), London: College Publications, pp. 263-300.

2009

- ČÍHALOVÁ Martina, CIPRICH Nikola, DUŽÍ Marie, FRYDRYCH Tomáš, MENŠÍK Marek. Deductive reasoning using TIL. In *RASLAN 2009*, Recent Advances in Slavonic Natural Language Processing. Sojka, P., Horák, A. (eds.), Brno: Masarykova universita, 2009, 25-38, ISBN 978-80-210-5048-8.
- ČÍHALOVÁ Martina, DUŽÍ Marie, MENŠÍK Marek. Tvorba ontologií z pohledu logiky. In *DATAKON 2009*, pp. 171-181, ISBN 978-80-245-1568-7.
- DUŽÍ Marie, HEIMBÜRGER Anneli, TOKUDA Takehiro, VOJTÁŠ Peter, YOSHIDA Naofumi. Multi-Agent Knowledge Modelling. In *Information Modelling and Knowledge Bases XX*, eds. Y. Kiyoki, T. Tokuda, H. Jaakkola, X. Chen, N. Yoshida. Amsterdam: IOS Press, 2009, pp. 411-428. ISBN 978-1-58603-957-8.
- DUŽÍ Marie, ČÍHALOVÁ Martina, CIPRICH Nikola, MENŠÍK Marek. Agents' reasoning using TIL-Script and Prolog. In *19th Information Modelling and Knowledge Bases*, T. Tokuda, Y. Kiyoki, H. Jaakkola, T. Welzer (eds.), Družovec, Slovenia: University of Maribor, 2009, pp. 137-156, ISBN 978-961-248-162-9.
- DUŽÍ Marie, CIPRICH Nikola, KOŠINÁR Michal. TIL-Script Language. In *Information Modelling and Knowledge Bases XX*. Ed. Y. Kiyoki, T. Tokuda, H. Jaakola, X. Chen, N. Yoshida, Amsterdam: IOS Press, 2009, pp. 166-179, ISBN 978-1-58603-957-8.
- DUŽÍ Marie, CIPRICH Nikola, KOŠINÁR Michal, KOHUT Ondřej, FRYDRYCH Tomáš. The Architecture of an Intelligent Agent in MAS. In *Information Modelling and Knowledge Bases XX*, Y. Kiyoki, T. Tokuda, H. Jaakkola, X. Chen, N. Yoshida (eds.). Amsterdam: IOS Press, 2009, pp. 261-269. ISBN 978-1-58603-957-8.
- DUŽÍ Marie and JESPERSEN Bjørn. Procedural semantics for mathematical constants. In *The Logica Yearbook 2008*. Ed. Peliš, M., London: College Publications, 2009, pp. 57-70, ISBN 978-1-904987-46-8.
- DUŽÍ Marie and MATERNA Pavel. Concepts and Ontologies. In *Information Modelling and Knowledge Bases XX*. Ed. Y. Kiyoki, T. Tokuda, H. Jaakola, X. Chen, N. Yoshida, Amsterdam: IOS Press, 2009, pp. 45-64, ISBN 978-1-58603-957-8.

2008

- Duží Marie. Semantic Information and the Paradox of Inference. In *Jednotliviny, všeobecniny, významy*. Ed. Marián Zouhar, Bratislava: Slovenská akadémia vied, 2008, pp. 34-59, ISBN 978-80-969770-1-7.
- Duží Marie and VOJTÁŠ Peter. Multi-Criterion Search from the Semantic Point of View. In *Information Modelling and Knowledge Bases XIX*, eds. Jaakkola Hannu, Kiyoki Yasushi, Tokuda Takahiro, Amsterdam: IOS Press, vol. XIX, 2008, pp. 21-39, ISBN 978-1-58603-812-0.
- Duží Marie, CIPRICH Nikola, FRYDRYCH Tomáš, KOHUT Ondřej, KOŠINÁR Michal. The Architecture of an Intelligent Agent in MAS. In *the 18th European Japanese Conference on Information Modelling and Knowledge Bases (EJC 2008)*, Tsukuba, Japan 2008, pp. 267-276.

- DUŽÍ Marie, CIPRICH Nikola, KOŠINÁR Michal. The TIL-Script Language. In *Information Modelling and Knowledge Bases XX*, eds. Y. Kiyoki, T. Tokuda, H. Jaakkola, X. Chen, N. Yoshida. Amsterdam: IOS Press, 2008, pp. 166-179. ISBN 978-1-58603-957-8.
- DUŽÍ Marie, CIPRICH Nikola, MENŠÍK Marek, ČÍHALOVÁ Martina. TIL and Logic Programming. In *Raslan 2008*. Ed. Petr Sojka, Brno: Masarykova universita, 2008, pp. 17-30. ISBN 978-80-210-4741-9.
- DUŽÍ Marie, DOSTÁLOVÁ Ludmila, LANG J., ČÍHALOVÁ Martina, MENŠÍK Marek, Raclavský Jiří, Šebela Karel. *Elektronická databáze příkladů z logiky*. In *Pedagogický software 2008*. Ed. Řehout, Václav, České Budějovice: Scientific Publishing, 147-149. ISBN 80-85645-59-9.

2007

- DUŽÍ Marie. Properties on the Edge. In: *Svet jazyka a svet za jazykom*, Marvan, T. and Zouhar, M. (eds). Bratislava: Filosofický ústav SAV, 2007, ISBN 978-80-967225-9-4, pp. 42-68.
- DUŽÍ Marie, ĎURÁKOVÁ Daniela, DĚRGEL Pavel, GAJDOŠ Petr, MÜLLER Jaroslav. Logic and Artificial Intelligence for Multi-Agent Systems. In *Information Modelling and Knowledge Bases XVII*, M. Duží, Y. Kiyoki, H. Jaakkola, Kangassalo, (eds.), Amsterdam: IOS Press, 2007, pp. 236-244, ISBN 978-1-58603-710-9.
- DUŽÍ Marie and VOJTÁŠ Peter. Multi-Criterion Search from the semantic Point of View. In *17th European-Japanese Conference on Information Modelling and Knowledge Bases*. Ed. Hannu Jaakkola, Yasushi Kiyoki, Takahiro Tokuda, Pori, Finland: Tampere University of Technology, 2007, pp. 21-39, ISBN 978-952-15-1786-0.
- DUŽÍ Marie. Semantic pre-processing of anaphoric references. In *RASLAN 2007*. Ed. Sojka, P., Horák, A., Brno: Masaryk University, 2007, pp. 43-56, ISBN 978-80-210-4471-5.
- DUŽÍ Marie. The Use-Mention Distinction. In *The Logica Yearbook 2006*. Ed. O. Tomala, R. Honzik, Prague: Filosofia, 2007, pp. 33-50, ISBN 978-80-7007-254-7.
- DUŽÍ Marie, CIPRICH Nikola, KOŠINÁR Michal. TIL-Script: Functional Programming Based on Transparent Intensional Logic. In *RASLAN 2007*. Ed. Sojka, P., Horák, A., Brno: Masaryk University, 2007, pp. 37-42, ISBN 978-80-210-4471-5. (Web of Science)

2006 and older:

- DUŽÍ Marie. Anafora a význam. In: *Jazyk z pohľadu sémantiky, pragmatiky a filozofie vedy*. Zouhar, M. (ed.), Bratislava: Filosofický ústav SAV, 2006, ISBN 80-967225-6-5, pp. 99-136.
- DUŽÍ Marie and HEIMBÜRGER Anneli. Web Ontology Languages: Theory and practice, will they ever meet? In *Information Modelling and Knowledge Bases XVII*. Ed. Y. Kiyoki, J. Hanno, H. Jaakkola, H. Kangassalo, Amsterdam: IOS Press, 2006, vol. XVII, pp. 20-37, ISBN 1-58603-591-6.
- DUŽÍ Marie, ĎURÁKOVÁ Daniela, DĚRGEL Pavel, GAJDOŠ Petr, MÜLLER Jaroslav. Logic and Artificial Intelligence for Multi-Agent Systems. In *Proc. of the 16th European-Japanese Conference on Information Modelling and Knowledge Bases (EJC2006)*. Ed. Y. Kiyoki, H. Kangassalo, M. Duží, Ostrava: VSB-TU, 2006, pp. 308-313, ISBN 80-248-1023-9.
- DUŽÍ Marie, JESPERSEN Bjørn, MÜLLER Jaroslav. Epistemic Closure and inferable Knowledge. In the *Logica Yearbook 2004*, ed. L. Běhounek, M. Bílková, Prague: Filosofia, 2005, 1-15.
- DUŽÍ Marie and NIEDERLE Rostislav. Explikace pojmu krásy. In: *Jazyk – logika – věda*, ed. by Prokop Sousedík, Prague: Filosofia, 2005, pp. 205-222, ISBN 80-7007-212-1.
- DUŽÍ Marie and MATERNA Pavel. Synthetic concepts a priori. In: *Jazyk – logika – věda*, ed. by Prokop Sousedík, Prague: Filosofia, 2005, pp. 181-204, ISBN 80-7007-212-1.
- DUŽÍ Marie, ĎURÁKOVÁ Daniela, MENŠÍK Marek. Concepts are Structured Meanings. In: *Information Modelling and Knowledge Bases XVI*. Amsterdam: IOS Press, 2005, pp. 258-276. ISBN 1 58603 497 9.
- DUŽÍ Marie and HEIMBÜRGER Anneli. Web Ontology Languages: Theory and practice, will they ever meet? In: *15th European-Japanese Conference on Information modelling and Knowledge Bases*. Ed. by Y. Kiyoki, H. Kangassalo, H. Jaakkola, Jaak Henno, Tallinn: University of Tallinn, 2005, pp. 74-92. ISBN 9985-59-530-0.
- DUŽÍ Marie. Jazyk a pojmy (aneb o čem a jak mluvíme). In: *Používanie, interpretácia a význam jazykových výrazů*. Zouhar M. (ed.), Bratislava: Filosofický ústav SAV, 2004, ISBN 80-967225-1-4, pp. 20-34.
- DUŽÍ Marie and MATERNA Pavel. Konceptuální modelování a ontologie z pohľadu logiky. Zvaná přednáška: *Datakon 2004*, Proceedings of the Annual Database Conference. Brno: Masaryk University, 2004, pp. 99-119, ISBN 80-210-3516-1.
- DUŽÍ Marie and JIRKŮ Petr. Znalosti z pohľadu logiky. In *Znalosti 2004*, ed. V. Snášel, Brno: Masaryk University, 2004, pp. 85-113. ISBN 80-248-0456-5.

- DUŽÍ Marie, ĎURÁKOVÁ Daniela, MENŠÍK Marek. Concepts are Structured meanings. In: *13th European-Japanese Conference on Information Modelling and Knowledge Bases*, ed. by Y. Kiyoki, H. Kangassalo, E Kawaguchi. Skövde: University of Skövde, 2004, pp. 245-263.
- DUŽÍ Marie. Concepts, Language and Ontologies (from the logical point of view). In *12th European-Japanese Conference on Information Modelling and Knowledge Bases*, ed. by Y. Kiyoki, H. Kangassalo, E Kawaguchi. Kitakyushu: Japan, 2003, pp. 197-212.
Revised version in: *Information Modelling and Knowledge Bases XV*. Amsterdam: IOS Press 2004, pp. 193-209. ISBN 1 58603 396 4.
- DUŽÍ Marie and SNÁŠEL Václav. Teorie pojmu a inteligentní ontologie. In: *Znalosti 2003*, ed. by Tomas Skopal, Ostrava: VSB-TU, 2003, pp. 222-231. ISBN 80-248-0229-5.
- DUŽÍ Marie and MATERNA Pavel. Reprezentace znalostí, analýza tázacích vět a specifikace dotazů nad konceptuálním schématem HIT. In *Datakon 2002*, Dušan Chlápek (ed.), Brno: Masaryk University, 2002, pp. 195-208, ISBN 80-210-2958-7.
- DUŽÍ Marie and MATERNA Pavel. Parmenides Principle (An analysis of aboutness). In: *The Logica Yearbook 2002*, Prague: FILOSOFIA, ed. by T.Childers, 2002, pp. 159-178.
- DUŽÍ Marie and MATERNA Pavel. Intensional Logic as a Medium of Knowledge Representation and Acquisition in the HIT Conceptual Model. In *12th European-Japanese Conference on Information Modelling and Knowledge Bases*, H. Kangassalo and E. Kawaguchi (eds.), Krippen: Germany, 2002, pp. 62-76.
Revised version in: *Information Modelling and Knowledge Bases XIV*. Ed. Hannu Kangassalo, Eiji Kawaguchi, Amsterdam: IOS Press, 2003, vol. 94, pp. 51-65, ISBN 1 58603 318 2.
- DUŽÍ Marie. Logical Foundations of Conceptual Modelling using HIT Data Model. In *10th European-Japanese Conference on Information Modelling and Knowledge Bases* (ed. by H. Jaakkola, H. Kangassalo), Tampere: University of Technology, Finland, 2000, pp. 161-176. ISBN 952-9607-32-6.
Revised version in: *Information Modelling and Knowledge Bases XII*, H. Jaakkola, H. Kangassalo, E. Kawaguchi (eds.), Amsterdam: IOS Press, 2001, pp. 65-80, ISBN 1-59603-163-5.
- DUŽÍ Marie. Existential quantification into intentional contexts. In: *The Logica Yearbook 1999*, ed. by T.Childers, Prague: FILOSOFIA, 2000, pp. 258-272.
- DUŽÍ Marie. A Contribution to the Discussion on Concept Theory. *Information Modelling and Knowledge Bases XII*, H. Jaakkola, H. Kangassalo, E. Kawaguchi (eds.), Amsterdam: IOS Press, 2001, pp. 346-351, ISBN 1-59603-163-5.
- DUŽÍ Marie and MATERNA Pavel. Propositional attitudes revised. In: *The LOGICA Yearbook 2000*, FILOSOFIA, ed. by T.Childers, Prague: FILOSOFIA, 2001, pp. 163-173.
- DUŽÍ Marie. Propositional/notional attitudes and the problem of polymorphism. In: *The Logica Yearbook 1998*, Prague: FILOSOFIA, ed. by T.Childers, 1999, pp. 50-60, ISBN 80-7007-123-0.
- DUŽÍ Marie and POKORNÝ Jaroslav. Semantics of general data structures. In: *Information Modelling and Knowledge Bases IX*, P.-J.Charrel et al (Eds), Amsterdam: IOS Press 1998, pp. 115-130, ISBN 90 5199 396 X.
- DUŽÍ Marie. Propositional Attitudes & Synonymous Expressions. In: *LOGICA '96*, T.Childers, P.Kolář, V.Svoboda (eds.), Prague: Filosofia, 1996, pp. 309-321.
- DUŽÍ Marie. Frege, Notional Attitudes, and the Problem of Polymorphism. In *LOGIC UND MATHEMATIK*, I.Max, W.Stelzner (eds.), Frege-Kolloquium Jena 1993, Berlin: de Gruyter, 1995, pp. 314-323, ISBN 3-11-014545-6.
- DUŽÍ Marie and MATERNA Pavel. Belief Sentences. In *LOGICA'95*. Prague: Filosofia, 1995.
- DUŽÍ Marie and MATERNA Pavel. Non-reasonable sentences. In: *LOGICA '94*, T.Childers, O.Majer (eds.), Prague: Filosofia, 1994, pp. 107-124.
- DUŽÍ Marie. Semantic Information Connected with Data. In *Database Theory - ICDT'92*, J. Biskup and R. Hull (eds.), Lecture Notes in Computer Science, Berlin: Springer-Verlag, 1992, pp. 376-390, ISBN 3-540-56039-4.
- DUŽÍ Marie. Semantic Information Connected with Data. In *LOGICA'91*. Prague: Filosofia 1991, pp.121-157.
- DUŽÍ Marie. QUICK-BUILD as a CASE product for ICL mainframe. In: *DATASEM'90*, CSVTS Praha 1990, pp. 100-125.
- BENEŠOVSKÝ Miroslav, DUŽÍ Marie, SOJKA Petr, ŠMÍDEK Martin. WANDER - a graph handling tool. In *13th ISDBMS*, Mamaia (Romania), 1990, pp. 110-121.
- DUŽÍ Marie. Functional Approach to the Specification of Distributed Database Systems. In *12th ISDBMS*, Suzdal (USSR), 1989, pp. 77-88.
- DUŽÍ Marie. Applying HIT Approach to an Application System Design. In: *Proc. KNVVT WG-25*, Problems and Tools of the Integration of Information Systems. Vol.1, 1989, pp. 113-128.
- DUŽÍ Marie and STANIČEK Zdenko. Project UNIS: A Contribution to the CASE Technology. In *11th ISDBMS*, Seregelyes (Hungary), 1988, pp. 117-130.

- Duží Marie and STANIČEK Zdenko. Functional Specification of Distributed Systems. In *DATASEM'88*, CSVTS Praha 1988, pp. 23-32.
- Duží Marie and STANIČEK Zdenko. How to HIT Chen? (Conceptual modelling from the HIT point of view). In *DATASEM'87*, CSVTS Praha, 1987, pp. 19-31.
- Duží Marie. HIT Method of Database Design. In *10th ISDBMS*, Cedzyna (Poland), 1987.
- Duží Marie and STANIČEK Zdenko. Functional Approach to the Representation of Information using HIT Method. In *DATASEM'86*, CSVTS Brno, 1986, pp. 20-28.
- Duží Marie and JOŠKOVÁ Vlasta. Spolehlivost počítačů EC 1045, I102-F, SM 4/10. In *Spolehlivost'86*, ČSVTS Praha, 1986.
- Duží Marie and KOBERT Petr. Systémové předpoklady spolehlivosti Automatizovaného systému řízení. In *Spolehlivost'85*, ČSVTS Praha, 1985.
- Duží Marie. Typové algoritmy zpracování dat. In *Programování v COBOLu*, ÚVT Tesla, 1979.
- Duží Marie and DUŽÍ Ilja. Principy strukturování a modularity programových systémů. In *Programování v COBOLu*, ÚVT Tesla, 1979.
- Duží Marie and DUŽÍ Ilja. Modulární a segmentované strukturované programy v COBOL TESLA 200. In *Programování v COBOLu*, ÚVT Tesla, 1977.

Non-reviewed papers

- M. Duží: Problems of the Data Kernel in the HIT Method. Research Report, Technical University of Brno, 1986.
- M. Duží, Z. Staníček: Mathematical Foundations of the HIT Method and its Facilities for Computer Aided Design. Research Report, Praha 1987 (in Czech).
- M. Duží: Using Materna's Theory of Concepts in Conceptual Modelling. In: *Between Words and Worlds* (A Festschrift for Pavel Materna), ed. by T.Childers, J.Palomaki. Filosofia Prague 2000, pp. 111-129.
- M. Duží: Intensional *Logic and the Irreducible Contrast between de dicto and de re*. Technical Report University of Ostrava. http://www.cs.vsb.cz/tech_reports/

Published reviews in journals

- M. Duží: František Gahér: Logika pre každého (IRIS Bratislava 1994, 269 s.). *Organon F*, III, č. 1, SAV Bratislava, 1996, pp. 94-96.
- M. Duží: František Gahér: Stoická sémantika a logika z pohľadu intenzionálnej logiky (Stimul Bratislava 2000, 281 s.). *Organon F*, VIII, č. 1, SAV Bratislava, 2001, pp. 104-107.
- M. Duží: Ján Šefránek: Inteligencia ako výpočet (IRIS Bratislava 2000, 427 s.). *Organon F*, IX, č. 1, SAV Bratislava, 2002, pp.110-115.
- Duží, M. (2008): R. Carnap, Význam a nevyhnutnosť. In *Organon F*, Philosophical Journal, vol. XV, No. 2, 261-273.