

## **Curriculum vitae**

**Name:** Marie Duží, Bernardová

**Born:** 11. 10. 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

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.

### **Present position (since 2001):**

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

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

### **Pedagogical practice – courses:**

Mathematical Logic; Introduction to Logic; Logic and Functional Programming;  
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. Kc per year).

### ***Invited lectures and stays*** (since 2003):

- 2003: Faculty of Informatics, University of *Klagenfurt*, Austria (March 2003).  
Technical University of *Vienna*, „*Concepts, Language and Ontologies*“.
- 2004: University of *Tuebingen*, University of *Leipzig*, Germany,  
University of *Bucharest* Romania,  
Technical University of *Tampere Pori*,  
University of *Helsinki*, Finland,  
University of *Rotterdam*, University of *Amsterdam*, University of *Gröningen*, the Netherlands.
- 2005: *Delft* University of Technology, the Netherlands.
- 2006: Komensky University *Bratislava*  
Technická universita *Tampere, Pori*.  
Université *Paris I* Pantheon-Sorbonne.
- 2007: National Institute of Communication Technologies, *Kyoto*,  
KEIO University *Tokyo*, Japan,  
*Oxford*, Balliol college, England,
- 2008: *Delft* University of Technology,  
University of *Haifa*, Israel,  
Sorbonna University *Paris*, France.
- 2009:
- Insituto Politecnico Nacional, Mexico City.
  - University of Tampere, Pori, Finland.

- Universita Komenského Bratislava, 25.5. - 26.5. 2009, „Realismus a konstruktivismus z hlediska TIL“ (spolu s P. Maternou)
- Universita Jana Pavla II, Krakow, 4.12.2009, "Anselm's Ontological Proof"
- Universita Palackého Olomouc, 2.12.2009, "Strawsonian vs Russellian Descriptions"
- 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.

#### **Other activities:**

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“.

Permanent reviewer (since 1985) for “*Zentralblatt für Mathematik*”

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

#### **LIST OF PUBLICATIONS:**

**Book:** *Procedural Semantics for Hyperintensional Logic; Foundations and Applications of Transparent Intensional Logic*. Springer series Logic, Epistemology, and the Unity of Science, vol. 17, ISBN 978-90-481-8811-6, forthcoming.

#### **Chapters in a book:**

- Duží, M., Materna, P. (2005): Logical Form. In *Essays on the Foundations of Mathematics and Logic*. Advanced Studies in Mathematics and Logic, 1, G. Sica (ed.). Polimetrica International Scientific Publisher, Monza / Italy, pp. 115-153.
- Duží, M. (2007): Properties on the Edge. In *Svet jazyka a svet za jazykom*, Marvan, T., Zouhar, M. (eds), Bratislava: Filosofický ústav SAV, pp. 42-68, ISBN 978-80-967225-9-4.
- Duží, M., Jespersen, B., Materna, P. (2009): 'Pi' in the Sky. In *Acts of Knowledge: History, Philosophy and Logic*. Essays dedicated to Göran Sundholm.. Ed. G. Primiero, S. Rahman, London: College Publications Tribute Series, 1, 357-372, ISBN 978-1-904987-92-5
- Duží, M. (2009): Presupposition vs. allegation. In *After Half a Century of Slavonic Natural Language Processing*, D. Hlaváčová, A. Horák, P. Rychlý, K. Osolsobě (eds.), Brno: Masaryk University, 1-16, ISBN 978-80-7399-815-8
- Duží, M., Heimbürger, A. and Shenghua Liu (2009): Will a cross-cultural multi-agent system be able to educate us? In: Hannakaisa Isomäki, Päivi Häkkinen, Jarmo Viteli (Eds.), *Future Educational Technologies*. University of Jyväskylä, Publications of Information Technology Research Institute 20/2009. University Printing House, Jyväskylä, 2009. (ISBN 978-951-39-3758-4, ISSN 1236-1615 total 197 p.), article in pp. 123-147.
- Duží, M. (2010): Pojmové postoje. In *Logika a přirozený jazyk*, Svoboda, V. (ed.), Praha: Filosofia.
- Duží, M., Jespersen, B., Materna, P. (2010): The Logos of Semantic Structure. In P. Stalmaszczyk (ed.): *Philosophy of Language and Linguistics*, vol. 1: The Formal Turn. Ontos Verlag. ISBN 978-3-86838-070-5.

### **University textbooks**

- Duží, M., F. Krejčí, P. Materna, Z. Staníček: *HIT Method of the Database Design*. VUT Brno, Prague 1986.
- Duží, M.: *Conceptual Modelling* (HIT data model). Silesian University of Opava, 2000, ISBN 80-7248-062-6.
- Duží, M.: *Matematická logika*. VŠB-Technical University Ostrava.  
<http://www.cs.vsb.cz/duzi/Matlogika.pdf>

### **Papers in journals**

- M. Duží, P. Materna, Z. Staníček: Information capability of a database schema. *Kybernetika*, Vol. 24, 1988, 3, pp. 216-226.
- M. Duží, F. Krejčí, Z. Staníček: Database Project UNIS (a Unified database development Support system). *Data & Knowledge Engineering* 3, 1988, North-Holland, pp. 163-172.
- M. Duží, P. Materna: Informational capability and distinguishing force of database attributes. *Database Technology*, Pergamon Press, Vol. 2, 1988, 2, pp. 4-9.
- M. Duží: P. Materna: Distinguishing Capability vs. Informational Capability of Attributes. *Computers & Artificial Intelligence*, Vol.9, 1990, 2, pp. 169-185.
- M. Duží: Z. Staníček: Project UNIS: A Contribution to the CASE Technology. *Database Technology*, Pergamon Press, Vol. 4, 1991, 2, pp. 79-86.
- M. Duží: Functional Approach to the Specification of Distributed Database Systems. *Database Technology*, Pergamon Press, Vol. 4, 1991, 1, pp. 69-76.
- M. Duží: P. Materna: Rules of Existential Quantification into Intentional Context, Belief Sentences. *Studies in Logic and Philosophy*, Institute of Philosophy, Czech Academy of Sciences Prague, 1996.
- M. Duží: Propozicní postoje, homonymie, synonymie a ekvivalence výrazů. *Organon F*, III, 1996, 2, FÚ SAV, Bratislava, pp. 101-112.
- M. Duží: Conceptual data modelling using Transparent Intensional Logic. Workshop for the grant No.: 1698/166/1998 - Conceptual representation in the Information Society, University of Tampere, Finland. In: *Studies in Logic and Philosophy*, Vol. 4, Academy of Sciences of the Czech republic, Prague, 1999, pp. 13-34.  
Repr. In: *Topics in Conceptual Analysis and Modelling*. Filosofia, Prague 2000, pp. 227-257.
- M. Duží: Propozicní / pojmové postoje: postoje ke konstrukcím nebo k intenzím? *Denotácia, referencia a význam*. *ORGANON F*, příloha, SAV Bratislava, 2000, pp. 46-57.
- M. Duží: Two approaches to conceptual data modelling. Prague International Colloquium on Conceptual Representation, Prague, 1999. In: *Topics in Conceptual Analysis and Modelling*, Institute of Philosophy, Czech Academy of Sciences, Prague 2000, pp. 305-340.
- M. Duží: De re vs. de dicto. *Organon F*, VII, n.4, SAV Bratislava, 2000, p. 365-378.
- M. Duží: Homonymie, de dicto / de re a význam. *Organon F*, VIII, n. 3, SAV Bratislava, 2001, pp. 235-251.
- M. Duží: Znovu o homonymii, *de dicto / de re* a významu. *Organon F*, VIII, n. 4, SAV Bratislava, 2001, 409-411.
- M. Duží: (Dva omyly Bělohřadovy kritiky) a ještě jedna nepřesnost. *Organon F*, X, SAV Bratislava, 2003, pp. 84-85.
- M. Duží: Notional Attitudes (On wishing, seeking and finding). *Organon F*, X, SAV Bratislava, 2003, pp. 237-260.

- M. Duží: Do we have to deal with partiality? *Miscellanea Logica*, Tom V, ed. by K. Bendová a P. Jirku, Karolinum Praha 2003, pp. 45-76. ISBN 80-246-0799-9
- M. Duží, P. Materna: A Procedural Theory of Concepts and the Problem of Synthetic *a priori*. In: *Korean Journal of Logic*, Vol. 7, No. 1, March, 2004, pp. 1-22. ISSN 1598-7493 9
- M. Duží: Intensional Logic and the Irreducible Contrast between *de dicto* and *de re*, *ProFil* (volume) 5, (number) 1, 2004, 1-34, ISSN 1212-9097  
[http://profil.muni.cz/01\\_2004/duzi\\_de\\_dicto\\_de\\_re.pdf](http://profil.muni.cz/01_2004/duzi_de_dicto_de_re.pdf)
- M. Duží: Jazyk a pojmy (aneb o čem a jak mluvíme). In *Organon F*, Veda Bratislava, Používanie, interpretácia a význam jazykových výrazů, 2004, 20-34
- P. Materna, M. Duží: Parmenides Principle. *Philosophia, Philosophical Quarterly of Israel*. Vol. 32 (1-4), May 2005, Bar-Ilan University, Israel, pp. 155-180.
- M. Duží: Kurt Gödel. Metamathematical results on formally undecidable propositions: Completeness vs. Incompleteness. *Organon F*, filozofický časopis, vol. XII, 2005, č. 4, pp. 447-474.
- M. Duží: Anafora a význam. In: *Jazyk z pohľadu sémantiky a filozofie vedy. Organon F (príloha)*. Zouhar, M. (ed.), SAV Bratislava 2006, pp. 99-136. ISBN 80-967225-6-5.
- M. Duží: Kritické připomínky ke studii Jiřího Raclavského o hledání a nalézání. *Organon F*, XIII, 2006, č.1, pp. 62-73.
- M. Duží: Hledání (a nalézání). *Organon F*, 2006, Vol. XIII, No. 2, pp. 189-206.
- M. Duží: Informativnost matematických či analyticky pravdivých tvrzení a paradox inference. *Filosofický časopis*, 2006, Vol. 54, č. 4, 501-522.
- M. Duží, B. Jespersen, P. Materna: Points of View from a Logical Perspective I. *Organon F*, 2006, Vol. XIII, No. 3, pp. 277-305.
- M. Duží, B. Jespersen, P. Materna: Points of View from a Logical Perspective II. *Organon F*, 2007, Vol. XIV, No. 1, pp. 5-31.
- Duží, M. (2008): TIL as the Logic of Communication in a Multi-Agent System. In *Research in Computing Science*, vol. 33, 27-40.
- Duží, M. (2008): R. Carnap, Význam a nevyhnutnosť. *Organon F*, XV, No 2, 261-273.
- Duží, M.: (2009): 'Topic-focus articulation from the semantic point of view'. In Gelbukh Alexander (ed), *CICLing 2009*, Springer, LNCS, vol. 5449, pp. 220-232.
- Duží, M. (2009): Strawsonian vs. Russellian definite descriptions. *Organon F*, vol. XVI, No. 4, 587-614.
- Duží, M.: The paradox of inference and the non-triviality of analytic information. *Journal of Philosophical Logic*, forthcoming.

### ***Reviewed papers in the proceedings of conferences***

- M. Duží, I. Duží: Modulární a segmentované strukturované programy v COBOL TESLA 200. Proc. *Programování v COBOLu*, ÚVT Tesla, 1977.
- M. Duží: Typové algoritmy zpracování dat. Proc. *Programování v COBOLu*, ÚVT Tesla, 1979.
- M. Duží, I. Duží: Principy strukturování a modularity programových systémů. Proc. *Programování v COBOLu*, ÚVT Tesla, 1979.
- M. Duží, P. Kobert: Systémové předpoklady spolehlivosti Automatizovaného systému řízení. Proc. *Spolehlivost'85*, ČSVTS Praha, 1985.
- M. Duží, V. Jošková: Spolehlivost počítačů EC 1045, I102-F, SM 4/10. Proc. *Spolehlivost'86*, ČSVTS Praha, 1986.
- M. Duží, Z. Staníček: Functional Approach to the Representation of Information using HIT Method. Proc. *DATASEM'86*, CSVTS Brno, 1986, pp. 20-28.

- M. Duzí, Z. Staníček: How to HIT Chen? (Conceptual modelling from the HIT point of view). Proc. *DATASEM'87*, CSVTS Praha, 1987, pp. 19-31.
- M. Duží: *HIT Method of Database Design*. Proc. 10th *ISDBMS*, Cedzyna (Poland), 1987.
- M. Duzí, Z. Staníček: Functional Specification of Distributed Systems. *DATASEM'88*, CSVTS Praha 1988, pp. 23-32.
- M. Duzí, Z. Staníček: Project UNIS: A Contribution to the CASE Technology. Proc. 11th *ISDBMS*, Seregélyes (Hungary), 1988, pp. 117-130.
- M. Duzí: Functional Approach to the Specification of Distributed Database Systems. 12th *ISDBMS*, Suzdal (USSR), 1989, pp. 77-88.
- M. Duzí: Applying HIT Approach to an Application System Design. In: *Proc. KVVVT WG-25*, Problems and Tools of the Integration of Information Systems. Vol.1, 1989, pp. 113-128.
- M. Benešovský, M. Duzí, P. Sojka, M. Šmídek: WANDER - a graph handling tool. In: Proc. 13<sup>th</sup> *ISDBMS*, Mamaia (Romania), 1990, pp. 110-121.
- M. Duzí: QUICK-BUILD as a CASE product for ICL mainframe. In: *DATASEM'90*, CSVTS Praha 1990, pp. 100-125.
- M. Duzí: Semantic Information Connected with Data. Proc. *LOGICA'91*. Institute of Philosophy CSAV, Prague 1991, pp.121-157.
- M. Duzí: Semantic Information Connected with Data. In: Proc. *Database Theory - ICDT'92*, Lecture Notes in Computer Science, Springer-Verlag, Berlin, pp. 376-390.
- M. Duzí: Frege, Notional Attitudes, and the Problem of Polymorphism. In: Proc. *LOGIC UND MATHEMATIK*, I.Max, W.Stelzner (eds.), Frege-Kolloquium Jena 1993, de Gruyter, Berlin, pp. 314-323.
- M. Duzí: P. Materna: Non-reasonable sentences. In: *LOGICA'94*, T.Childers, O.Majer (eds.), Institute of Philosophy, Czech Academy of Sciences, Prague, 1994, pp. 107-124.
- M. Duzí, P. Materna: Belief Sentences. Proc. *LOGICA'95*. Institute of Philosophy, Czech Academy of Sciences, Prague.
- M. Duzí: Propositional Attitudes & Synonymous Expressions. In: *LOGICA'96*, T.Childers, P.Kolář, V.Svoboda (eds.), Institute of Philosophy, Academy of Sciences of the Czech Republic, Prague, 1996, pp. 309-321.
- M. Duzí, J. Pokorný: Semantics of general data structures. In: *Information Modelling and Knowledge Bases IX*, P.-J.Charrel et al (Eds), IOS Press 1998, pp. 115-130.
- M. Duzí: Propositional/notional attitudes and the problem of polymorphism. In: *The Logica Yearbook 1998*, FILOSOFIA, ed. by T.Childers, Institute of Philosophy, Academy of Sciences of the Czech Republic, Prague, 1999, pp. 50-60, ISBN 80-7007-123-0.
- M. Duzí: Knowing that ... . Abstract in: *Volume of Abstracts of 11<sup>th</sup> International Congress of Logic, Methodology and Philosophy of Science*, Cracow 1999, p. 101.
- M. Duzí: Existential quantification into intentional contexts. In: *The Logica Yearbook 1999*, FILOSOFIA, ed. by T.Childers, Institute of Philosophy, Academy of Sciences of the Czech Republic, Prague, 2000, 258-272.
- M. Duzí: Logical Foundations of Conceptual Modelling using HIT Data Model. In: *Proc. of the 10<sup>th</sup> European-Japanese Conference on Information Modelling and Knowledge Bases* (ed. by H. Jaakkola, H. Kangassalo), Tampere University of Technology, Finland, 2000, pp. 161-176.  
Reprinted in: *Information Modelling and Knowledge Bases XII*, IOS Press, pp. 65-80
- M. Duzí: A Contribution to the Discussion on Concept Theory. *Information Modelling and Knowledge Bases XII*, IOS Press, pp. 346-351.
- M. Duzí, P. Materna: Propositional attitudes revised. In: *The LOGICA Yearbook 2000*, FILOSOFIA, ed. by T.Childers, Institute of Philosophy, Academy of Sciences of the Czech Republic, Prague, 2000, pp. 163-173.
- M. Duzí, P. Materna: Intensional Logic as a Medium of Knowledge Representation and Acquisition in the HIT Conceptual Model. In: Proc. of the 12<sup>th</sup> *European-Japanese*

- Conference on Information Modelling and Knowledge Bases*, Germany, 2002, pp.62-76.  
Repr. in: *Information Modelling and Knowledge Bases XIV*. Ed. Hannu Kangassalo, Eiji Kawaguchi, Amsterdam, Netherlands. IOS Press, 2003, Vol. 94, p.51-65, ISBN 1 58603 318 2
- M. Duží, P. Materna: Reprezentace znalostí, analýza tázacích vět a specifikace dotazů nad konceptuálním schématem HIT. In: *Datakon 2002*, Masaryk University of Brno, pp.195-208.
- M. Duží, P. Materna: Parmenides Principle (An analysis of aboutness). In: *The Logica Yearbook 2002*, FILOSOFIA, ed. by T. Childers, Institute of Philosophy, Academy of Sciences of the Czech Republic, Prague, pp. 159-178.
- M. Duží, V. Snášel: Teorie pojmu a inteligentní ontologie. In: *Znalosti 2003*, ed. by Tomas Skopal, pp. 222-231. ISBN 80-248-0229-5
- M. Duží: Concepts, Language and Ontologies (from the logical point of view). In: *Proc. of the 12<sup>th</sup> 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*. IOS Press 2004, pp. 193-209. ISBN 1 58603 396 4.
- M. Duží, P. Jirků: Znalosti z pohledu logiky. *Znalosti 2004*, ed. V. Snášel, Brno 2004, pp. 85-113. ISBN 80-248-0456-5
- M. Duží, D. Ďuráková, M. Menšík: Concepts are Structured meanings. In: *Proc. of the 13<sup>th</sup> European-Japanese Conference on Information Modelling and Knowledge Bases*, ed. by Y. Kiyoki, H. Kangassalo, E Kawaguchi. Sweden 2004, forthcoming.
- M. Duží, P. Materna: Konceptuální modelování a ontologie z pohledu logiky. Zvaná přednáška: *Datakon 2004*, Proceedings of the Annual Database Conference. Masarykova universita v Brně, pp. 99-119, ISBN 80-210-3516-1
- M. Duží, D. Ďuráková, M. Menšík: Concepts are Structured Meanings. In: *Information Modelling and Knowledge Bases XVI*. IOS Press 2005, pp. 258-276. ISBN 1 58603 497 9.
- M. Duží, B. Jespersen, J. Müller: Epistemic Closure and inferable Knowledge. In the *Logica yearbook 2004*, ed. L. Běhounek, M. Bílková, Filosofia Praha, 2005, 1-15.
- M. Duží, A. Heimburger (2005): Web Ontology Languages: Theory and practice, will they ever meet? In: *proc. Of the 15<sup>th</sup> European-Japanese Conference on Information modelling and Knowledge Bases*. Ed. by Y. Kiyoki, H. Kangassalo, H. Jaakkola, Jaak Henno, Tallinn, May 2005, pp. 74-92. ISBN 9985-59-530-0
- M. Duží, P. Materna: Synthetic concepts *a priori*. In: *Jazyk – logika – věda*, ed. by Prokop Sousedík, Filosofia Praha, 2005, pp. 181-204
- M. Duží, R. Niederle: Explikace pojmu krásy. In: *Jazyk – logika – věda*, ed. by Prokop Sousedík, Filosofia Praha, 2005, pp. 205-222
- Duží, M., Heimburger, A.: 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, IOS Press Amsterdam, 2006, vol. XVII, 20-37, ISBN 1-58603-591-6
- Duží, M., Ďuráková, D., Děrgel, P., Gajdoš, P., Müller, J.: 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, VSB-TU Ostrava, 2006, 308-313, ISBN 80-248-1023-9

- Duží, M., Ďuráková, D., Děrgel, P., Gajdoš, P., Müller, J. (2007): Logic and Artificial Intelligence for Multi-Agent Systems. In *Information Modelling and Knowledge Bases XVII*, M. Duží, Y. Kiyoki, H. Jaakkola, Kangassalo, (eds.), IOS Press Amsterdam, 236-244.
- Duží, M., Vojtáš, P. (2007): Multi-Criterion Search from the semantic Point of View, Pori, Finland, Tampere University of Technology. In: *17<sup>th</sup> European-Japanese Conference on Information Modelling and Knowledge Bases*. Ed. Hannu Jaakkola, Yasushi Kiyoki, Takahiro Tokuda, pp. 21-39. ISBN 978-952-15-1786-0
- Duží, M. (2007): Knowledge Representation and Communication in the Multi-Agent World, Kyoto Japan: NICT, 40 pp.
- Duží, M. (2007): Semantic pre-processing of anaphoric references. In sborníku z konference *RASLAN 2007*. Ed. Sojka, P., Horák, A., Brno, pp. 43-56, ISBN 978-80-210-4471-5.
- Duží, M. (2007): The Use-Mention Distinction. In *The Logica Yearbook 2006*. Ed. O. Tomala, R. Honzík, Prague: Filosofia, pp. 33-50, ISBN 978-80-7007-254-7.
- Duží, M., Ciprich, N., Košinár, M. (2007): TIL-Script: Functional Programming Based on Transparent Intensional Logic. In sborníku z konference *RASLAN 2007*. Ed. Sojka, P., Horák, A., MUNI Brno, 37-42, ISBN 978-80-210-4471-5

## 2008

- Duží, M. (2008): Semantic Information and the Paradox of Inference. In *Jednotliviny, všeobecniny, významy*. Ed. Marián Zouhar, Bratislava: Slovenská akademie vied, 34-59, ISBN 978-80-969770-1-7.
- Duží, M. (2008): Transparent Intensional Logic as a partial, hyperintensional lambda calculus. World Congress *LMPS Beijing*, China, 196-197.
- Duží, M., Vojtáš Peter (2008): 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, 21-39, ISBN 978-1-58603-812-0
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and intensional features in conceptual modelling. **Duzi** in [Duz00b] discusses the criteria for conceptual

and CONCEPT D can be raised, like those of **Duzi** in [Duz00c] These objections can concern both the

[acta.uta.fi/pdf/951-44-5910-5.pdf](http://acta.uta.fi/pdf/951-44-5910-5.pdf)

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