

# CV 2012-09-13 - Jørgen Villadsen - DTU Informatics

**Associate Professor - Director of Studies (MSc in Computer Science and Engineering)**

**Department of Informatics and Mathematical Modelling - Technical University of Denmark (DTU)**

Private: Alsikemarken 5, 2860 Søborg - Born 1965-10-01 - Mail [jv@imm.dtu.dk](mailto:jv@imm.dtu.dk) - Homepage <http://imm.dtu.dk/~jv>

**Main Research Areas: Logic, Automated Reasoning, Constraint Based Tools, Natural Language Processing, Security**

## Diplomas

Training Course for Directors of Studies, Technical University of Denmark, 2010.

English Course for Teachers, Technical University of Denmark, 2008.

Course in Project Supervision, Roskilde University, 2003.

Education in Didactics and Teaching Methodology, Technical University of Denmark, 2001.

Basic Course in Teaching and Learning, Technical University of Denmark, 2000.

PhD in Computer Science, Technical University of Denmark, 1995.

MSc in Computer Science, Technical University of Denmark, 1989.

## Positions

Associate Professor, Department of Informatics and Mathematical Modelling, Technical University of Denmark, 2006...

Associate Professor, Computer Science, Roskilde University, 2002-2006.

Assistant Professor, Department of Informatics and Mathematical Modelling, Technical University of Denmark, 1999-2002.

Software Engineer, Prolog Development Center A/S, 1999.

Senior Scientist (Government Research Institute), Computer Science, Danish Defence Research Establishment, 1997-1999.

Systems Specialist (Project Leader), Computer Systems Department, Tryg-Baltica A/S (Insurance Company), 1994-1996.

Scientist (Government Research Institute), Centre for Language Technology, 1992-1994.

PhD State Scholarship, Department of Computer Science, Technical University of Denmark, 1989-1992.

Student Jobs, UNI-C, Technical University of Denmark & Copenhagen Business School, 1985-1989.

## Selected Visits Abroad

Centre for Mathematics and Computer Science (CWI), Amsterdam (6 months).

Dae Duck Electronics (IAESTE), South Korea (2 months).

European Organization for Nuclear Research (CERN), Geneva (3 months).

Davies's School of English (EUROCENTRES), London (1 month).

Institute of National Research Council of Italy (CNUCE), Pisa (2 months).

## Selected Program Committees

Constraint Solving and Language Processing 2012, Orléans, France.

Intelligent Systems and Agents 2012, Lisbon, Portugal.

Programming Multi-Agent Systems 2012, Valencia, Spain.

Constraints and Language Processing 2011 (Co-Chair), Karlsruhe, Germany.

Intelligent Systems and Agents 2011, Rome, Italy.

Data, Logic and Inconsistency 2011, Toulouse, France.

Programming Multi-Agent Systems 2011, Taipei, Taiwan.

Computer Science and Information Engineering 2011, Changchun, China.

Intelligent Systems and Agents 2010, Freiburg, Germany.

Methods for Modalities 2009, Roskilde, Denmark.

Intelligent Systems and Agents 2009, Algarve, Portugal.

Constraints and Language Processing 2008 (Co-Chair), Hamburg, Germany.

Intelligent Systems and Agents 2008, Amsterdam, The Netherlands.

Constraints and Language Processing 2007 (Co-Chair), Roskilde, Denmark.

Hybrid Logic 2007, Dublin, Ireland.

Constraints and Language Processing 2006, Sydney, Australia.

Hybrid Logic 2006, Seattle, USA.

Constraint Solving and Language Processing 2005, Sitges, Spain.

Constraint Solving and Language Processing 2004, Roskilde, Denmark.

## Book Announcement

Jørgen Villadsen: *Nabla: A Linguistic System Based on Type Theory*.

Volume 3 in Foundations of Communication and Cognition, LIT Verlag, 2010. <http://www.lit-verlag.de/isbn/3-8258-9275-3>

Summary: More than three decades ago Richard Montague presented a formal description of the syntax and semantics of a fragment of English that included verbs, nouns, negation, coordination and quantification as well as propositional attitudes like assertion, knowledge and belief. Nabla improves the syntactical part of this approach by following modern lexicalist trends and, most importantly, enriches the type system underlying the semantics by several innovations. By this it meets the current on-going debate about extensions of type theory recently discussed in computer science, logic and linguistics.

# Selected Recent Publications - Jørgen Villadsen - DTU Informatics

Sole author unless otherwise stated

*Implementing a Multi-Agent System in Python with an Auction-Based Agreement Approach.*

With Mikko Berggren Ettienné & Steen Vester.

Springer Lecture Notes in Computer Science 7217:185-196 2012.

*Implementing a Multi-Agent System in Python.*

With Mikko Berggren Ettienné & Steen Vester.

Technical Report IfI-12-02 Clausthal University of Technology p. 147-179 2012.

*Improving Multi-Agent Systems Using Jason.*

With Steen Vester, Niklas Skamriis Boss & Andreas Schmidt Jensen.

Annals of Mathematics and Artificial Intelligence 61: 297-307 2011.

*SyntaxTrain: Relieving the Pain of Learning Syntax.*

With Andreas Leon Aagaard Moth & Mordechai Ben-Ari.

ACM SIGCSE Conference on Innovation and Technology in Computer Science Education (ITiCSE) p. 387 2011.

*International Workshop on Constraints and Language Processing.*

Editors Philippe Blache, Henning Christiansen, Verónica Dahl & Jørgen Villadsen - Proceedings 68 p. Karlsruhe 2011.

*Nabla: A Linguistic System Based on Type Theory.*

Monograph 232 p. Book Series: Foundations of Communication and Cognition, LIT Verlag, 2010.

*Building Multi-Agent Systems Using Jason.*

With Niklas Skamriis Boss & Andreas Schmidt Jensen.

Annals of Mathematics and Artificial Intelligence 59:373-388 2010.

*Nominalistic Logic.*

In Handbook of the Third World Congress and School on Universal Logic p. 84-85 Portugal 2010.

*Infinite-Valued Propositional Type Theory for Semantics.*

In Dimensions of Logical Concepts, UNICAMP, Campinas, Brazil, p. 277-297, 2009.

*Developing Artificial Herders Using Jason.*

With Niklas Skamriis Boss & Andreas Schmidt Jensen.

In Jürgen Dix, Michael Fisher & Peter Novák (Editors):

Proceedings of the 10th International Workshop on Computational Logic in Multi-Agent Systems, p. 193-197, 2009.

*Nominalistic Logic: From Naive Set Theory to Intensional Type Theory.*

In Klaus Robering, Editor, New Approaches to Classes and Concepts.

Volume 14 of Studies in Logic, p. 57-85, College Publications, London, 2008.

*International Workshop on Constraints and Language Processing.*

Editors Jørgen Villadsen & Henning Christiansen - Proceedings 94 p. Hamburg 2008.

*International Workshop on Hybrid Logic.*

Editors Patrick Blackburn, Thomas Bolander, Torben Braüner, Valeria de Paiva & Jørgen Villadsen.

Elsevier Electronic Notes in Theoretical Computer Science 174(6) p. 1-148 2007.

*International Workshop on Constraints and Language Processing.*

Editors Henning Christiansen & Jørgen Villadsen - Proceedings 101 p. Denmark 2007.

*Nominalization in Intensional Type Theory.*

Annual IEEE Symposium on Logic in Computer Science, Short Presentation 2 p. 2006.

*Notes on Data Structures and Algorithms.*

Notes in Computer Science - Roskilde University 50 p. Denmark 2006.

*Natural Language Processing Using Lexical and Logical Combinators.*

With Juan Fernández Ortiz.

Springer Lecture Notes in Computer Science 4079:444-446 2006.

*Infinite-Valued Propositional Type Theory for Semantics.*

In Handbook of the First World Congress and School on Universal Logic p. 102 Switzerland 2005.

*International Workshop on Constraint Solving and Language Processing.*

Editors Henning Christiansen & Jørgen Villadsen - Proceedings 65 p. Denmark 2005.

*Constraint Solving and Language Processing.*

Editors Henning Christiansen, Peter Rossen Skadhauge & Jørgen Villadsen

Springer Lecture Notes in Computer Science 3438 205 p. 2005.

*Supra-Logic: Using Transfinite Type Theory with Type Variables for Paraconsistency.*

Journal of Applied Non-Classical Logics 15:45-58 2005.