Jørgen Villadsen - DTU Orbit (07/02/2019)
Villadsen, Jørgen
jovi@dtu.dk
Department of Applied Mathematics and Computer Science - Associate Professor
Algorithms and Logic

Research outputs:

A Verified Simple Prover for First-Order Logic
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Drawing Trees
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Engineering a Multi-Agent System in Jason and CArtAgO
Research output: Research - peer-review › Journal article – Annual report year: 2018

Formalization of First-Order Syntactic Unification
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Leading the Teacher Team - Balancing Between Formal and Informal Power in Program Leadership
Research output: Research - peer-review › Journal article – Annual report year: 2017

Multi-Agent Programming Contest 2016 – The Python-DTU Team
Villadsen, J., From, A. H., Jacobi, S. & Larsen, N. N. 2018 In : International Journal of Agent-Oriented Software Engineering. 6, 1, p. 86-100
Research output: Research - peer-review › Journal article – Annual report year: 2018

Natural Deduction and the Isabelle Proof Assistant
Research output: Research - peer-review › Journal article – Annual report year: 2018

Natural Deduction Assistant (NaDeA)
Research output: Research - peer-review › Paper – Annual report year: 2018

Programming and Verifying a Declarative First-Order Prover in Isabelle/HOL
Research output: Research - peer-review › Journal article – Annual report year: 2018

Proving in the Isabelle Proof Assistant that the Set of Real Numbers is not Countable
Research output: Research - peer-review › Paper – Annual report year: 2018
Multi-Agent Programming Contest 2013: The Teams and the Design of Their Systems
Ahlbrecht, T., Bender-Saebelkamp, C., Brito, M., Christensen, N. C., Dix, J., Franco, M. R., Heller, H., Hess, A. V.,
Heßler, A., Hübner, J. F., Jensen, A. S., Johnsen, J. B., Köster, M., Li, C., Liu, L., Morato, M. M., Ørum, P. B., Schlesinger,
Research output: Research - peer-review › Article in proceedings – Annual report year: 2013

Program Leadership from a Nordic Perspective - Program Leaders’ Power to Influence Their Program
Högfeldt, A-K., Strömberg, E., Jerbrant, A., Berglund, A., Hussmann, P. M., Villadsen, J., Kinnunen, P., Malmi, L.,
Malmqvist, J. & Baggerud, B. 2013 Proceedings of 9th International CDIO Conference. 11 p. 186
Research output: Research - peer-review › Article in proceedings – Annual report year: 2013

Reimplementing a Multi-Agent System in Python
Universität Clausthal, p. 67-84 (IfI Technical Report Series; No. IfI-13-01).
Research output: Research - peer-review › Report chapter – Annual report year: 2013

Reimplementing a Multi-Agent System in Python
Systems: 10th International Workshop, ProMAS 2012, Valencia, Spain, June 5, 2012, Revised Selected Papers. Dastani,
Research output: Research - peer-review › Article in proceedings – Annual report year: 2013

Engineering Multiagent Systems - Reflections
Villadsen, J. 2012 In : Dagstuhl Reports. 2, 8, p. 87 1 p.
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2012

Implementing a Multi-Agent System in Python
Descriptions. Behrens, T., Dix, J., Köster, M. & Schlesinger, F. (eds.). Technische Universität Clausthal, p. 147-179 (IfI
Technical Report Series; No. IfI-12-02).
Research output: Research - peer-review › Report chapter – Annual report year: 2012

Implementing a Multi-Agent System in Python with an Auction-Based Agreement Approach
2011 Taipei, Taiwan, May 3, 2011 Revised Selected Papers. Springer, p. 185-196 (Lecture Notes in Artificial Intelligence,
Vol. 7217).
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Multi-Agent Programming Contest 2012 - The Python-DTU Team
Villadsen, J., Jensen, A. S., Ettienne, M. B., Vester, S., Balsiger Andersen, K. & Frøsig, A. 2012 Technical University of
Denmark (DTU). 4 p.
Research output: Research - peer-review › Report – Annual report year: 2012

Paraconsistent Computational Logic
N. & Palmgren, E. (eds.). p. 59-61
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Program Leadership from a Nordic Perspective - Managing Education Development
Hussmann, P. M., Villadsen, J., Brattebø, H. & Torvatn, T. 2012 Proceedings of the 8th International CDIO Conference.
20 p.
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012
Improving Multi-Agent Systems Using Jason
Research output: Research - peer-review › Journal article – Annual report year: 2011

Multi-Agent Programming Contest 2011 - The Python-DTU Team
Research output: Research - peer-review › Report – Annual report year: 2011

Proceedings of the 6th International Workshop on Constraints and Language Processing: Preface
Research output: Research › Book chapter – Annual report year: 2011

SyntaxTrain: Relieving the pain of learning syntax
Research output: Research › Article in proceedings – Annual report year: 2011

Building Multi-Agent Systems Using Jason
Research output: Research - peer-review › Journal article – Annual report year: 2010

Multi-Agent Programming Contest 2010 - The Jason-DTU Team
Research output: Research - peer-review › Report – Annual report year: 2010

Nabla: A Linguistic System Based on Type Theory
Research output: Research › Book – Annual report year: 2010

Nominalistic Logic
Villadsen, J. 2010 World Congress and School on Universal Logic. p. 84-85
Research output: Research › Conference abstract in proceedings – Annual report year: 2010

Developing Artificial Herders Using Jason
Research output: Research › Book chapter – Annual report year: 2009

Infinite-Valued Propositional Type Theory for Semantics
Research output: Research › Book chapter – Annual report year: 2009

Logik, computere og kunstig intelligens
Research output: Education › Book chapter – Annual report year: 2009

Nominalistic Logic (Extended Abstract)
Research output: Research › Article in proceedings – Annual report year: 2008
A Paraconsistent Higher Order Logic
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

A Paraconsistent Higher Order Logic
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Paraconsistent Assertions
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Operational Semantics of an Imperative Language in Definite Clauses
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

User Interfaces for Automated Reasoning Systems
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

International Workshop on Paraconsistent Computational Logic
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Paraconsistent Knowledge Bases and Many-Valued Logic
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Paraconsistent Query Answering Systems
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Combinators for Paraconsistent Attitudes
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Meaning and Partiality Revised
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

On Programs in Rational Agents
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001
Projects:

**Logical Foundations of AI Algorithms**
Jensen, A. B., Villadsen, J. & Mödersheim, S. A.
01/02/2019 → 31/01/2022
Project: PhD

**Hospital Staff Planning with Multi-Agent Goals**
Larsen, J. B., Villadsen, J., Carstens, N. & Holst, C. K.
Industrial PhD
01/09/2016 → 31/08/2019
Project: PhD

**Composoc: Secure Composition of Distributed Systems**
Forskningsrådsfinansiering
01/10/2015 → 12/12/2018
Project: PhD

**Formalization of Algorithms and Logical Inference Systems in Proof Assistants**
Institut stipendie (DTU)
15/09/2015 → 14/11/2018
Project: PhD

**Geodata-Infrastruktur**
Ansat eksternt
01/02/2002 → 01/08/2007
Project: PhD

**Meta-logiske teorier i datalogien**
DTU-stipendium
01/09/1989 → 06/09/1995
Project: PhD

**Formal Ontologies + Natural language semantics = Ontological semantics**
DTU, Samfinansiering
01/10/2007 → 22/06/2011
Project: PhD

**Organization-Oriented Programming in Multi-Agent Systems**
Jensen, A. S., Villadsen, J., Bolander, T., Christiansen, H. & Hindriks, K. V.
Institut stipendie (DTU)
15/03/2012 → 21/09/2015
Project: PhD