Jørgen Villadsen
Associate Professor
Department of Applied Mathematics and Computer Science
Algorithms and Logic

Postal address:
Richard Petersens Plads
322, 020
2800
Kgs. Lyngby
Denmark
Email: jovi@dtu.dk
Phone: 45253733
Web address: http://people.compute.dtu.dk/jovi
Web: http://people.compute.dtu.dk/jovi

Publications:

A Framework for Organization-Aware Agents
Publication: Research - peer-review › Journal article – Annual report year: 2016

An Approach for Hospital Planning with Multi-Agent Organizations
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

First-Order Logic According to Harrison
Publication: Research - peer-review › Journal article – Annual report year: 2017

Formalization of Many-Valued Logics
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Formalizing a Paraconsistent Logic in the Isabelle Proof Assistant
Publication: Research - peer-review › Journal article – Annual report year: 2017

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

Logical Entity Level Sentiment Analysis
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

NaDeA: A Natural Deduction Assistant with a Formalization in Isabelle
Publication: Research - peer-review › Journal article – Annual report year: 2017

A Framework for Organization-Aware Agents: JAAMAS Extended Abstract
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Code Generation for a Simple First-Order Prover
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Paraconsistency
Publication: Research - peer-review › Journal article – Annual report year: 2016
ProofJudge: Automated Proof Judging Tool for Learning Mathematical Logic
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Running a Prover in a Prover - Isabelle as a Meta-Logic
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Verification of an LCF-Style First-Order Prover with Equality
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Interfacing Agents to Real-Time Strategy Games
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Meta-Logical Reasoning in Higher-Order Logic
Publication: Research - peer-review › Poster – Annual report year: 2015

NaDeA: A Natural Deduction Assistant with a Formalization in Isabelle
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Plan-Belief Revision in Jason
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

ProofJudge: Automated Proof Judging Tool for Learning Mathematical Logic
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

The AORTA Reasoning Framework - Adding Organizational Reasoning to Agents
Publication: Research › Ph.D. thesis – Annual report year: 2015

Combining Formal Logic and Machine Learning for Sentiment Analysis
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Constraints and Language
Publication: Research - peer-review › Book – Annual report year: 2014

Constraints in (Computational) Linguistics
Publication: Research - peer-review › Book chapter – Annual report year: 2014

Multi-dimensional Type Theory: Rules, Categories and Combinators for Syntax and Semantics
Publication: Research - peer-review › Book chapter – Annual report year: 2014

The AORTA Architecture: Integrating Organizational Reasoning in Jason
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

The AORTA Architecture: Integrating Organizational Reasoning in Jason
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

A Comparison of Organization-Centered and Agent-Centered Multi-Agent Systems
Publication: Research - peer-review › Journal article – Annual report year: 2013

Belief Revision in the GOAL Agent Programming Language
Publication: Research - peer-review › Journal article – Annual report year: 2013
Engineering a Multi-Agent System in GOAL
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Formalizing Theatrical Performances Using Multi-Agent Organizations
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Java to C: A Primer
Publication: Research › Book – Annual report year: 2013

Multi-Agent Programming Contest 2013: The Teams and the Design of Their Systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Program Leadership from a Nordic Perspective - Program Leaders' Power to Influence Their Program
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Reimplementing a Multi-Agent System in Python
Publication: Research - peer-review › Report chapter – Annual report year: 2013

Reimplementing a Multi-Agent System in Python
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Engineering Multiagent Systems - Reflections
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2012

Implementing a Multi-Agent System in Python
Publication: Research - peer-review › Report chapter – Annual report year: 2012

Implementing a Multi-Agent System in Python with an Auction-Based Agreement Approach
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Multi-Agent Programming Contest 2012 - The Python-DTU Team
Publication: Research - peer-review › Report – Annual report year: 2012

Paraconsistent Computational Logic
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Program Leadership from a Nordic Perspective - Managing Education Development
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Improving Multi-Agent Systems Using Jason
Publication: Research - peer-review › Journal article – Annual report year: 2011

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

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

SyntaxTrain: Relieving the pain of learning syntax
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011
Building Multi-Agent Systems Using Jason
Publication: Research - peer-review › Journal article – Annual report year: 2010

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

Nabla: A Linguistic System Based on Type Theory
Publication: Research - peer-review › Book – Annual report year: 2010

Nominalistic Logic
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2010

Developing Artificial Herders Using Jason
Publication: Research - peer-review › Book chapter – Annual report year: 2009

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

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

Nominalistic Logic (Extended Abstract)
Publication: Research - peer-review › Report – Annual report year: 2008

Nominalistic Logic: From Naive Set Theory to Intensional Type Theory
Publication: Research - peer-review › Book chapter – Annual report year: 2008

Proceedings of the 5th International Workshop on Constraints and Language Processing (CSLP 2008)
Publication: Research - peer-review › Report – Annual report year: 2008

Many-Valued Modal Logic
Publication: Research › Sound/Visual production (digital) – Annual report year: 2007

Preface: For the proceedings of the International Workshop on Hybrid Logic 2006 (HyLo)
Publication: Research - peer-review › Editorial – Annual report year: 2007

Proceedings of the 4th International Workshop on Constraints and Language Processing (CSLP 2007)
Publication: Research - peer-review › Book – Annual report year: 2007

Proceedings of the International Workshop on Hybrid Logic (HyLo 2006)
Publication: Research - peer-review › Book – Annual report year: 2007

Proceedings of the International Workshop on Hybrid Logic (HyLo 2007)
Publication: Research - peer-review › Book – Annual report year: 2007

Natural Language Processing Using Lexical and Logical Combinators
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

Nominalization in Intensional Type Theory
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006
Proceedings of the International Workshop on Hybrid Logic: Federated Logic Conference, Seattle, USA
Publication: Research - peer-review › Book – Annual report year: 2006

Constraint Solving and Language Processing: First International Workshop, CSLP 2004, Roskilde, Denmark, September 1-3, 2004, Revised Selected and Invited Papers
Publication: Research - peer-review › Book – Annual report year: 2005

Supra-logic: using transfinite type theory with type variables for paraconsistency
Publication: Research - peer-review › Book – Annual report year: 2005

A Paraconsistent Higher Order Logic
Publication: Research - peer-review › Journal article – Annual report year: 2005

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

Parasistent Assertions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

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

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

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

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

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

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

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

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

Projects:

Hospital Staff Planning with Multi-Agent Goals
Project: PhD

Composec: Secure Composition of Distributed Systems
Project: PhD
Formalization of Algorithms and Logical inference Systems in Proof Assistants
Project: PhD

Organization-Oriented Programming in Multi-Agent Systems
Project: PhD

Formal Ontologies + Natural language semantics = Ontological semantics
Project: PhD

Geodata-Infrastruktur
Project: PhD

Meta-logiske teorier i datalogien
Project: PhD