Thomas Bolander - DTU Orbit (23/05/2019)

Bolander, Thomas
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Department of Applied Mathematics and Computer Science - Associate Professor
Algorithms and Logic

Research outputs:

**Implicitly coordinated multi-agent path finding under destination uncertainty: Success guarantees and computational complexity**
Nebel, B., Bolander, T., Engesser, T. & Mattmüller, R., 2019, In : Journal of Artificial Intelligence Research. 64, p. 497-527

Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

**Many-valued hybrid logic**

Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**A gentle introduction to epistemic planning: The DEL approach**

Research output: Contribution to journal › Conference article – Annual report year: 2017 › Research › peer-review

**Cooperative epistemic multi-agent planning for implicit coordination**

Research output: Contribution to journal › Conference article – Annual report year: 2017 › Research › peer-review

**Epistemic Planning: (Dagstuhl Seminar 17231)**

Research output: Book/Report › Report – Annual report year: 2017 › Research › peer-review

**Learning to Act: Qualitative Learning of Deterministic Action Models**

Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**Announcements to Attentive Agents**

Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

**Better Eager Than Lazy? How Agent Types Impact the Successfulness of Implicit Coordination**

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

**Bisimulation and expressivity for conditional belief, degrees of belief, and safe belief**

Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

**Synthetic Completeness Proofs for Seligman-style Tableau Systems**

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review
Completeness and Termination for a Seligman-style Tableau System
Blackburn, P. R., Bolander, T., Braüner, T. & Jørgensen, K. F., 2015, In : Journal of Logic and Computation. 27, 1, p. 81-107
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Complexity Results in Epistemic Planning
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Cooperative Epistemic Multi-Agent Planning With Implicit Coordination
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Don't Plan for the Unexpected: Planning Based on Plausibility Models
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Hvornår skal vi blive bange?
Research output: Contribution to journal › Contribution to newspaper - Newspaper article – Annual report year: 2016 › Communicaiton

Kursusudvikling gennem systematisk evaluering
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2015 › Research › peer-review

Learning Actions Models: Qualitative Approach
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

Seeing is Believing: Formalising False-Belief Tasks in Dynamic Epistemic Logic
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

A Seligman-Style Tableau System
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Bisimulation for Single-Agent Plausibility Models
Undecidability in Epistemic Planning
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Advances in Modal Logic: Volume 9
Research output: Book/Report › Book – Annual report year: 2012 › Research

Conditional Epistemic Planning
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

CDIO Projects in DTU's B.Eng. in IT Study Program
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Epistemic planning for single- and multi-agent systems
Bolander, T. & Andersen, M. B., 2011, In : Journal of Applied Non-Classical Logics. 21, 1, p. 9-34
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

From Frustration to Success: A Case-Study in Advanced Design-Build Experiences
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2011 › Research › peer-review

Hybrid Logical Analyses of the Ambient Calculus
Research output: Contribution to journal › Conference article – Annual report year: 2010 › Research › peer-review

Prefab
Research output: Contribution to journal › Conference article – Annual report year: 2011 › Research

Proceedings of the 6th workshop on Methods for Modalities (M4M-6 2009), Copenhagen, Denmark 12-14 November 2009
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2010 › Research › peer-review

Two approaches to termination and completeness of hybrid tableaus
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research › peer-review
Hybrid Logic: Dedicated to the Memory of Volker Weber
Research output: Book/Report › Book – Annual report year: 2009 › Research › peer-review

Logik, computere og kunstig intelligens
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2009 › Education

Preface: Hybrid Logic: Dedicated to the Memory of Volker Weber
Research output: Contribution to journal › Editorial – Annual report year: 2009 › Research › peer-review

Terminating Tableau Calculi for Hybrid Logics extending K
Research output: Contribution to journal › Conference article – Annual report year: 2009 › Research › peer-review

Many-Valued Hybrid Logic
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Self-reference
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2008 › Research › peer-review

Decidability of a Hybrid Duration Calculus
Research output: Contribution to journal › Conference article – Annual report year: 2007 › Research › peer-review

Hybrid Logical Analyses of the Ambient Calculus
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review

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

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

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

Termination for Hybrid Tableaus
Introduction to self-reference
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2006 › Research › peer-review

Proceedings of the International Workshop on Hybrid Logic: Federated Logic Conference, Seattle, USA
Research output: Book/Report › Book – Annual report year: 2006 › Research › peer-review

Self-Reference
Research output: Book/Report › Book – Annual report year: 2006 › Research › peer-review

Tableau-Based Decision Procedures for Hybrid Logic
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Two Tableau-Based Decision Procedures for Hybrid Logic
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research › peer-review

Logical Theories for Agent Introspection

Chapter 7 of the ESGI 04 (European Study Group with Industry) report on the LEGO Digital Designer problem
Research output: Book/Report › Report – Annual report year: 2004 › Research › peer-review

From Logic Programming Semantics to the Consistency of Syntactical Treatments of Knowledge and Belief
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research › peer-review

Maximal Introspection of Agents
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Om Gödels sætning
Jensen, H. E. & Bolander, T., 2002
Research output: Book/Report › Report – Annual report year: 2002 › Research › peer-review

Om Gödels sætning
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Restricted Truth Predicates in First-Order Logic
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research › peer-review
Self-Reference and Logic
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Projects:

Planning and learning a machine learning meets AI approach
Dittadi, A., Winther, O. & Bolander, T.
Technical University of Denmark
15/03/2018 → 14/03/2021
Project: PhD

Action Model Learning for Multi-agent Systems
Occhipinti Liberman, A., Bolander, T. & Gierasimczuk, N.
Technical University of Denmark
01/02/2017 → 31/01/2020
Project: PhD

Logiske teorier for datamaskinel introspektion og selv-reference med henblik på autonome agenter
Bolander, T., Nilsson, J. F., Jensen, H. E., Pedersen, S. A., Fitting, M. & Gehrke, M.
DTU-lønnet stipendie
01/09/1999 → 16/02/2004
Project: PhD

Formalization of Algorithms and Logical inference Systems in Proof Assistants
Technical University of Denmark
15/09/2015 → 14/11/2018
Project: PhD

Multi-agent Story Planning
Technical University of Denmark
01/02/2011 → 23/01/2015
Project: PhD

Epistemic Planning for Multi-Agent Systems
Jensen, M. H., Bolander, T., Goranko, V., Herzig, A. & Ågotnes, T.
Technical University of Denmark
15/09/2010 → 25/04/2014
Project: PhD

Organization-Oriented Programming in Multi-Agent Systems
Jensen, A. S., Villadsen, J., Bolander, T., Christiansen, H. & Hindriks, K. V.
Technical University of Denmark
15/03/2012 → 21/09/2015
Project: PhD

Press clippings:

Google-computers triumf er et lille skridt mod store samfundsomvæltninger
Thomas Bolander
16/03/2016
1 media contribution
Press/Media: Press / Media
De fleste har jo tre-fire milliarder linjer kunstig intelligens-kode i lommen
Thomas Bolander
15/02/2016
1 media contribution
Press/Media: Press / Media

Dagen gryr for kunstig intelligens på de finansielle markeder
Thomas Bolander
08/02/2016
1 media contribution
Press/Media: Press / Media

Nu tager robotterne også specialistjob
Thomas Bolander
29/01/2016
1 media contribution
Press/Media: Press / Media

Om Star Wars, robotter og kunstig intelligens
Thomas Bolander
16/12/2015
1 media contribution
Press/Media: Press / Media

Har din robot forstået dig i dag?
Thomas Bolander
30/10/2015
1 media contribution
Press/Media: Press / Media

Skal vi frygte robotter?
Thomas Bolander
02/08/2015
1 media contribution
Press/Media: Press / Media

Memristor-hjerne kan revolutionere kunstig intelligens
Thomas Bolander
15/05/2015
1 media contribution
Press/Media: Press / Media

Om Blade Runner og menneskelig vs. kunstig intelligens
Thomas Bolander
07/05/2015
1 media contribution
Press/Media: Press / Media

Kunstig intelligens får højere IQ
Thomas Bolander
07/04/2015
1 media contribution
Press/Media: Press / Media

Skal vi bekymrede for udviklingen indenfor kunstig intelligens?
Thomas Bolander
Om DeepMind og kunstig intelligens
Thomas Bolander
03/03/2015
1 media contribution
Press/Media: Press / Media

Glem dommedagsprofetierne om kunstig intelligens
Thomas Bolander
13/02/2015
1 media contribution
Press/Media: Press / Media

Når våben bestemmer over liv og død
Thomas Bolander
19/12/2014
1 media contribution
Press/Media: Press / Media

DR2 Dagen
Thomas Bolander
20/10/2014
1 media contribution
Press/Media: Press / Media

Kunstig intelligens og fremtidens robotter
Thomas Bolander
20/10/2014
1 media contribution
Press/Media: Press / Media

Kulturen på NEWS: Computeren har narret mennesket
Thomas Bolander
06/10/2014
1 media contribution
Press/Media: Press / Media

AK24syv på Radio 24syv: Om sociale robotter og etik
Thomas Bolander
17/09/2014
1 media contribution
Press/Media: Press / Media

Om sociale robotter og etik
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17/09/2014
1 media contribution
Press/Media: Press / Media

Om fremtidens dræberrobotter
Thomas Bolander
09/09/2014
1 media contribution
Press/Media: Press / Media
Ghandi på P3: Om fremtidens dræberrobotter
Thomas Bolander
09/09/2014
1 media contribution
Press/Media: Press / Media

Computeren har narrer mennesket
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10/06/2014
1 media contribution
Press/Media: Press / Media

Computer består afgørende mennesketest
Thomas Bolander
10/06/2014
1 media contribution
Press/Media: Press / Media

Supercomputer narrer menneske
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10/06/2014
1 media contribution
Press/Media: Press / Media

24syv Morgen: Supercomputer narrer menneske
Thomas Bolander
10/06/2014
1 media contribution
Press/Media: Press / Media

Thomas Bolander on self-reference and agent introspection
Thomas Bolander
13/04/2014
1 media contribution
Press/Media: Press / Media

Hvordan bestemmes sudokuers sværhedsgrad?
Thomas Bolander
16/03/2014
1 media contribution
Press/Media: Press / Media

IBM satser på kommersiel kunstig intelligens
Thomas Bolander
Orientering på P1: IBM satser på kommerciel kunstig intelligens
Thomas Bolander
11/03/2014
1 media contribution
Press/Media: Press / Media

Intelligens og maskiner
Thomas Bolander
05/03/2014
1 media contribution
Press/Media: Press / Media

Apropos på P1: Intelligens og maskiner
Thomas Bolander
05/03/2014
1 media contribution
Press/Media: Press / Media

Når robotten bliver en ven
Thomas Bolander
28/02/2014
1 media contribution
Press/Media: Press / Media

DR2 Dagen: Når robotten bliver en ven
Thomas Bolander
28/02/2014
1 media contribution
Press/Media: Press / Media

Drop kæresten - elsk dit styresystem i stedet
Thomas Bolander
27/02/2014
1 media contribution
Press/Media: Press / Media

Kan man elske sit styresystem
Thomas Bolander
26/02/2014
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Press/Media: Press / Media

Kan man elske sit styresystem?
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26/02/2014
1 media contribution
Press/Media: Press / Media
Dagens citat
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16/02/2014
1 media contribution
Press/Media: Press / Media

Dagens Citat i Politiken
Thomas Bolander
16/02/2014
1 media contribution
Press/Media: Press / Media

Nye robotter udfordrer etikken
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14/02/2014
1 media contribution
Press/Media: Press / Media

Kultursøndag på P1: Om kunstig intelligens i sociale medier
Thomas Bolander
10/02/2014
1 media contribution
Press/Media: Press / Media

AK 24syv
Thomas Bolander
03/02/2014
1 media contribution
Press/Media: Press / Media

Videnskabens Verden på P1
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22/10/2013
1 media contribution
Press/Media: Press / Media

Hjemekassen på P1
Thomas Bolander
15/04/2013
1 media contribution
Press/Media: Press / Media

Vitek
Thomas Bolander
20/03/2013
1 media contribution
Press/Media: Press / Media

AK24syv
Thomas Bolander
29/11/2012
1 media contribution
Press/Media: Press / Media

Videnskabernes Verden på P1
Thomas Bolander
06/03/2012
1 media contribution
Press/Media: Press / Media

Deadline 17 på DR2
Thomas Bolander
10/01/2012
1 media contribution
Press/Media: Press / Media

Kunstig intelligens: Danskernes Akademi på P1
Thomas Bolander
08/08/2011
1 media contribution
Press/Media: Press / Media

Sprog, intelligens og kunstig intelligens: Interview på DR P1, Sproglaboratoriet
Thomas Bolander
28/04/2011
1 media contribution
Press/Media: Press / Media

Har du talt med din computer i dag?: Sproglaboratoriet på DR P1
Thomas Bolander
28/04/2011
1 media contribution
Press/Media: Press / Media

Kunstig intelligens: Foredrag i Danskernes Akademi på DR2
Thomas Bolander
11/04/2011
1 media contribution
Press/Media: Press / Media

Sociale robotter i støbeskeen: Artikel om min forskning på videnskab.dk
Thomas Bolander
02/09/2010
1 media contribution
Press/Media: Press / Media