List of Publications
(2004–2016)
Computational Intelligence Group
(Clausthal University of Technology)
Chair: Prof. Dr. J. Dix

August 4, 2016

Starting in 2004, when the Chair for Computational Intelligence in Clausthal was founded, this list shows the publications of Prof. Dr. Jürgen Dix and his group members as well as theses (Habilitation, PhD, Diploma, Master and Bachelor) written under his supervision.

In total (2004–2016):

22 Edited Books;
13 Edited Special Journal Issues;
11 Invited Chapters in Books;
51 Journal Articles;
101 Workshop/Conference papers (refereed);
49 Technical Reports;
2 Habilitations;
10 PhD’s;
33 Diploma/Master/Bachelor theses.

Forthcoming in 2016:
(1 Journal, 1 Special Issue, 1 PhD, 3 BSc/MSc/Diploma)

Journal Articles (1)


Special Issue (1)


PhD thesis (1)


BSc theses (2), MSc thesis (1)

Publications in 2015:
(3 Journal, 3 Books, 4 Conf, 1 Habil, 6 BSc/MSc/Diploma)

Journal Articles (3)

Books (3)
282. Michaela Huhn, Jan Philipps, Matthias Riebisch, and Bernhard Schätz, editors. Tagungsband des Dagstuhl-Workshops Modellbasierte Entwicklung eingebetteter Systeme (MBEES XI), volume 2015-01 of fortiss Bericht, 2015

Workshop/Conference Papers (4)

Habilitation thesis (1)
Diploma theses (3), BSc thesis (1), MSc theses (2)

274. Marc Sebastian Lucksch. Modellgetriebene Entwicklung von textuellen Editoren für die Strukturmodellierung von Bahnsicherungsanlagen, April 2015

273. Timo Rienäcker. Weiterentwicklung eines Werkzeugs zur Verifikation von SCADE-Programmen mit SMT Model Checking, October 2015


270. Naghmeh Fannipour. Adaptation of Systems Theoretic Process Analysis (STPA) for SCADE-based designs, October 2015


Publications in 2014:

(9 Journal, 6 (3+1+2) Books, 6 Conf, 2 MSc, 1 TR)

Journal Articles (9)


Books (3), Special Issue (1), Chapters in books (2)


256. Holger Giese, Michaela Huhn, Jan Philipp, and Bernhard Schätz, editors. *Tagungsband des Dagstuhl-Workshops Modellbasierte Entwicklung eingebetteter Systeme (MBEES X)*, volume 2014-01 of *fortiss Bericht*, 2014


254. Koen Hindriks and Jürgen Dix. *Goal: A multi-agent programming language applied to an exploration game*. In Onn Shehory and Arnon...


Workshop/Conference Papers (6)


Technical report (1)


MSc theses (2)


245. Sara Mahvi. Model-Based Safety Analysis of a Medical Device using SCADE Modeling Tool, October 2014

Publications in 2013:

(6 Journal, 2 Chapters in books, 11 Conf, 1 BSc/MSc, 2 TR)

Journal Articles (6)


Chapters in books (2)


Workshop/Conference Papers (11)


228. Pietro Galliani, Miika Hannula, and Juha Kontinen. Hierarchies in independence logic. In Simona Ronchi Della Rocca, editor, *Computer Sci-


BSc thesis (1)


Technical reports (2)


Publications in 2012:
(2 Journal, 1 Book, 1 Chapter in Book, 4 Conf, 1 PhD’s, 2 Dipl/BSc, 2 TR)

Journal Articles (2)

222. Jürgen Dix, Koen V. Hindriks, Brian Logan, and Wayne Wobcke. Engineering multi-agent sys-
tems (Dagstuhl seminar 12342). Dagstuhl Reports, 2(8):74–98, 2012


Book (1), Chapters in books (1)


Workshop/Conference Papers (4)


Technical reports (2)


PhD thesis (1)


Diploma thesis (1), BSc thesis (1)


Publications in 2011:
(7 Journal, 2 Special Journal issues, 8 Conf)

Journal Articles (7)


Special Issues (2)


Workshop/Conference Papers (8)


**Publications in 2010:**

(5 Journal, 7 (3+3+1) Books, 5 Conf, 1 PhD’s, 7 TR)

**Journal Articles (5)**


**Books (3), Special Issues (3), Chapters in books (1)**

187. Nick Bassiliades, Guido Governatori, Adrian Paschke, and Jürgen Dix, editors. *Special Issue on Rule Representation, Interchange, and Reasoning in Distributed, Heterogeneous Environments*, volume 22 of *IEEE Transactions of Knowledge and Data Engineering*. IEEE, 2010


185. Jürgen Dix, Michael Fisher, and Peter Novák, editors. *Computational Logic and Multi-Agent*


PhD thesis (1)


Technical reports (7)

174. Tristan M. Behrens, Koen Hindriks, Jomi Hübner, and Mehdi Dastani. Putting apl platforms to the test: Agent similarity and execution performance. Technical Report IfI-10-09, Clausthal University of Technology, 2010

173. Nils Bulling. Model checking coalition logic on implicit models is delta3-complete. Technical Report IfI-10-02, Clausthal University of Technology, February 2010


169. Michael Köster and Peter Lohmann. Abstraction for model checking modular interpreted systems over ATL. Technical Report IfI-10-13, Clausthal University of Technology, 2010


Publications in 2009:

(7 Journal, 1 Book, 2 Chapters in books, 17 Conf, 1 Habil, 2 PhD’s, 5 Dipl, 7 TR)

Journal Articles (7)


Books (1), Chapters in books (2)


158. Michael Köster, Peter Novák, David Mainzer, and Bernd Fuhrmann. Two Case Studies for Jazzyk BSM. In Frank Dignum, Jeff Bradshaw, Barry Silverman, and Willem van Doesburg, editors, Agents for Games and Simulations, volume 5920 of Lecture Notes in Computer Science, pages 33–47. Springer Berlin / Heidelberg, 2009

Workshop/Conference Papers (17)


156. N. Bulling and B. Farwer. Expressing properties of resource-bounded systems: The logics RBTL and RBTL*. In J. Dix et al., editor, Pre-Proceedings of CLIMA ’09, pages 2–19, Hamburg, Germany, September 2009


154. T. Behrens and B. Farwer. An infrastructure of hierarchy and processes for multiple agents in games AI. In Berndt Farwer, editor, Pre-Proceedings of LAM ’09, Durham, United Kingdom, August 2009


Habilitation thesis (1)


PhD theses (2)


Diploma theses (5)


Technical reports (7)

132. Nils Bulling and Wojciech Jamroga. Model checking ATL+ is harder than it seemed. Technical Report IfI-09-13, Clausthal University of Technology, November 2009

131. J. C. Acosta Guadarrama. Maintaining sequences of knowledge bases in ASP. Technical Report IfI-09-11, Clausthal University of Technology, October 2009

130. Tristan M. Behrens, Jürgen Dix, and Koen V. Hindriks. The environment interface standard for agent-oriented programming platform integration guide and interface implementation guide. Technical Report IfI-09-10, Clausthal University of Technology, December 2009


Publications in 2008:

(2 Journal, 1 Book, 15 Conf, 3 Dipl, 6 TR)

Journal articles (2)


Book (1)


Workshop/Conference Papers (15)


**Diploma theses (3)**


**Technical reports (6)**


100. Juan Carlos Acosta Guadarrama. Update operation in asp revisited. Technical Report IfI-08-12, Clausthal University of Technology, December 2008


Publications in 2007:

(2 Journal, 1 Book, 2 Special Journal issues, 10 Conf, 2 Dipl, 8 TR)

Journal Articles (2)


Book (1), Special Journal Issues (2)


Workshop/Conference Papers (10)


Diploma theses (2)


82. Michael Lesniak. Communicating over conflicts in evolving, distributed ontologies, June 2007. Diplomarbeit

Technical reports (8)


Publications in 2006:

(2 Journal, 5 Books, 2 Special Journal issues, 5 Conf, 2 PhD, 4 Dipl, 7 TR)

Journal articles (2)


Books (5), Special Journal Issues (2)


**Workshop/Conference Papers (5)**


**PhD theses (2)**


**Diploma theses (4)**


**Technical reports (7)**


Publications in 2005:
(1 Journal, 1 Book, 3 Chapters in Books, 12 Conf, 2 PhD’s, 2 Dipl, 9 TR)

Journal Articles (1)


Books (1), Chapters in books (3)


Workshop/Conference Papers (12)


PhD theses (2)


Diploma theses (2)

Technical reports (9)


17. Peter Novák. Stable model semantics algorithm - approach based on relation of blocking between sets of defaults. Technical Report IfI-05-04, Clausthal University of Technology, February 2005

Publications in 2004:

(4 Journals, 3 Books, 2 Special journal issues, 4 Conf, 1 PhD, 2 Dipl)

Journal articles (4)


13. Wojciech Jamroga and Wiebe van der Hoek. Agents that know how to play. Fundamenta Informaticae, 63(2–3):185–219, 2004

Books (3), Special Journal Issues (2)


19
Workshop/Conference Papers (4)


PhD thesis (1)


Diploma theses (2)
