

List of Publications

(2004–2021)

Computational Intelligence Group

(Clausthal University of Technology)

Chair: Prof. Dr. J. Dix

November 18, 2021

This list, starting in 2004, when the *Chair for Computational Intelligence* in Clausthal was founded, 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 (2004–2021):

- 27 Edited Books;**
- 19 Edited Special Journal Issues;**
- 11 Invited Chapters in Books;**
- 66 Journal Articles;**
- 113 Workshop/Conference papers (refereed);**
- 51 Technical Reports;**
- 2 Habilitations;**
- 9 PhD;**
- 45 Diploma/Master/Bachelor theses.**

Publications in 2021:

(3 Journal, 3 Books, 3 Conf)

Journal Articles (3)

- 343. Tobias Ahlbrecht, Jürgen Dix, Niklas Fiekas, and Tabajara Krausburg. The 15th multi-agent programming contest. In *The Multi-Agent Programming Contest 2021*, volume 12947 of *LNCS/LNAI*, pages 3–20. Springer, 2021
- 342. Rafael C. Cardoso, Angelo Ferrando, Daniela Briola, Claudio Menghi, and Tobias Ahlbrecht. Agents and robots for reliable engineered autonomy: A perspective from the organisers of AREA 2020. *J. Sens. Actuator Networks*, 10(2):33, 2021
- 341. Jürgen Dix, Brian Logan, and Michael Winikoff. Preface to the special issue on engineering reliable multi-agent systems. *Auton. Agents Multi Agent Syst.*, 35(2):37, 2021

Book (1), Special Issues(2)

- 340. Tobias Ahlbrecht, Jürgen Dix, Niklas Fiekas, and Tabajara Krausburg, editors. *The Multi-Agent Programming Contest 2021*, volume 12947 of *LNCS/LNAI*. Springer, Cham, 2021
- 339. Jürgen Dix, Brian Logan, and Michael Winikoff, editors. *Special Issue on engineering reliable multi-agent systems*, volume 35 of *Autonomous Agents and Multi-Agent Systems*. Springer, 2021

338. Rafael C. Cardoso, Angelo Ferrando, Daniela Briola, Claudio Menghi, and Tobias Ahlbrecht. Special issue: Agents and robots for reliable engineered autonomy. *J. Sens. Actuator Networks*, 10(3):47, 2021

Workshop/Conference Papers (3)

337. Débora C. Engelmann, Juliana Damasio, Tabajara Krausburg, Olimar Teixeira Borges, Lucca Dornelles Cezar, Alison R. Panisson, and Rafael H. Bordini. Dial4jaca - A demonstration. In Frank Dignum, Juan Manuel Corchado, and Fernando de la Prieta, editors, *Advances in Practical Applications of Agents, Multi-Agent Systems, and Social Good. The PAAMS Collection - 19th International Conference, PAAMS 2021, Salamanca, Spain, October 6-8, 2021, Proceedings*, volume 12946 of *Lecture Notes in Computer Science*, pages 346–350. Springer, 2021
336. Débora C. Engelmann, Juliana Damasio, Tabajara Krausburg, Olimar Teixeira Borges, Mateus da Silveira Colissi, Alison R. Panisson, and Rafael H. Bordini. Dial4jaca - A communication interface between multi-agent systems and chatbots. In Frank Dignum, Juan Manuel Corchado, and Fernando de la Prieta, editors, *Advances in Practical Applications of Agents, Multi-Agent Systems, and Social Good. The PAAMS Collection - 19th International Conference, PAAMS 2021, Salamanca, Spain, October 6-8, 2021, Proceedings*, volume 12946 of *Lecture Notes in Computer Science*, pages 77–88. Springer, 2021
335. Tabajara Krausburg, Jürgen Dix, and Rafael H. Bordini. Feasible coalition sequences. In Frank Dignum, Alessio Lomuscio, Ulle Endriss, and Ann Nowé, editors, *AAMAS '21: 20th International Conference on Autonomous Agents and Multiagent Systems, Virtual Event, United Kingdom, May 3-7, 2021*, pages 719–727. ACM, 2021

Publications in 2020:

(2 Journal, 3 Books, 5 Conf, 2 BSc/MSc)

Journal Articles (2)

334. Dimitrios I. Diochnos, Jürgen Dix, and Guillermo Ricardo Simari. Foreword to special issue for ISAIM 2018. *Ann. Math. Artif. Intell.*, 88(7):687–689, 2020
333. Tobias Ahlbrecht, Jürgen Dix, Niklas Fiekas, and Tabajara Krausburg. The multi-agent programming contest: A résumé. In *The Multi-Agent Programming Contest 2019*, volume 12381 of *Lecture Notes in Computer Science*, pages 3–27. Springer, Cham, 2020

Books (2), Special Issues(1)

332. Rafael C. Cardoso, Angelo Ferrando, Daniela Briola, Claudio Menghi, and Tobias Ahlbrecht, editors. *Proceedings of the First Workshop on Agents and Robots for reliable Engineered Autonomy, AREA@ECAI 2020, Virtual event, 4th September 2020*, volume 319 of *EPTCS*, 2020
331. Tobias Ahlbrecht, Jürgen Dix, Niklas Fiekas, and Tabajara Krausburg, editors. *The Multi-Agent Programming Contest 2019*, volume 12381 of *LNCS/LNAI*. Springer, Cham, 2020
330. Dimitrios Diochnos, Jürgen Dix, and Guillermo Simari, editors. *Selected Papers from ISAIM 2018: The Fifteenth International Symposium on Artificial Intelligence and Mathematics*, volume 88 of *Annals of Mathematics and Artificial Intelligence*. Springer, 2020

Workshop/Conference Papers (3)

329. Tabajara Krausburg, Vinicius Chrisosthemos, Rafael H. Bordini, and Jürgen Dix. Disaster response simulation as a testbed for multi-agent systems. In Nick Bassiliades, Georgios Chalkiadakis, and Dave de Jonge, editors, *Multi-Agent Systems and Agreement Technologies - 17th European Conference, EUMAS 2020, and 7th International Conference, AT 2020, Thessaloniki, Greece, September 14-15, 2020, Revised Selected Papers*, volume

- 12520 of *Lecture Notes in Computer Science*, pages 67–81. Springer, 2020
328. Tobias Ahlbrecht, Jürgen Dix, Niklas Fiekas, and Tabajara Krausburg. Accept a challenge: The multi-agent programming contest - challenging tasks and how to deal with them. In Cristina Baroglio, Jomi Fred Hübner, and Michael Winikoff, editors, *Engineering Multi-Agent Systems - 8th International Workshop, EMAS 2020, Auckland, New Zealand, May 8-9, 2020, Revised Selected Papers*, volume 12589 of *Lecture Notes in Computer Science*, pages 129–143. Springer, 2020
327. Tabajara Krausburg, Vinicius Chrisosthemos, Rafael H. Bordini, and Jürgen Dix. Disaster response simulation. In Yves Demazeau, Tom Holvoet, Juan M. Corchado, and Stefania Costantini, editors, *Advances in Practical Applications of Agents, Multi-Agent Systems, and Trustworthiness. The PAAMS Collection - 18th International Conference, PAAMS 2020, L'Aquila, Italy, October 7-9, 2020, Proceedings*, volume 12092 of *Lecture Notes in Computer Science*, pages 434–438. Springer, 2020
326. Niklas Fiekas. Time in multi-agent systems. In Paulo Novais, Gianni Vercelli, Josep Lluís Larribapey, Francisco Herrera, and Pablo Chamoso, editors, *Ambient Intelligence - Software and Applications - 11th International Symposium on Ambient Intelligence, ISAmI 2020, L'Aquila, Italy, October 7 - 9, 2020*, volume 1239 of *Advances in Intelligent Systems and Computing*, pages 243–246. Springer, 2020
325. Tabajara Krausburg. Hierarchical coalition formation in multi-agent systems. In Sara Rodríguez-González, Alfonso González-Briones, Arkadiusz Gola, George Katranas, Michela Ricca, Roussanka Loukanova, and Javier Prieto, editors, *Distributed Computing and Artificial Intelligence, Special Sessions, 17th International Conference, DCAI 2020, L'Aquila, Italy, 17-19 June 2020*, volume 1242 of *Advances in Intelligent Systems and Computing*, pages 210–214. Springer, 2020
- Ein Anwendungsszenario. Master's thesis, Institut für Informatik, March 2020. Master thesis
323. Paula Böhm. Wie legt man welche Termine fest, um sein Wohlbefinden zu verbessern? Entwicklung einer Kalender-App, December 2020. Bachelor thesis

BSc/MSc theses (2)

324. Florian Heinecke. Ausgewählte Data-Mining Methoden zur Prozessoptimierung im Selektivlöten

Publications in 2019:

(2 Journal, 1 Book, 1 Conf, 1 BSc thesis)

Journal Articles (2)

322. Tobias Ahlbrecht, Jürgen Dix, and Niklas Fiekas. The Multi-Agent Programming Contest 2018 - A Third Time in the City. In *Multi-Agent Programming Contest*, pages 3–22. Springer, 2019
321. Jürgen Dix, Brian Logan, and Michael Winikoff. Engineering Reliable Multiagent Systems (Dagstuhl Seminar 19112). *Dagstuhl Reports*, 9(3):52–63, 2019

Books (1)

320. Tobias Ahlbrecht, Jürgen Dix, and Niklas Fiekas, editors. *The Multi-Agent Programming Contest 2018 - Agents Teaming Up in an Urban Environment*, volume 11957 of *Lecture Notes in Computer Science*. Springer, 2019

Workshop/Conference Papers (1)

319. Tobias Ahlbrecht and Michael Winikoff. Explaining aggregate behaviour in cognitive agent simulations using explanation. In Calvaresi et al. [143], pages 129–146

BSc thesis (1)

318. Jan Schwede. Cache-effizientes Packen überlappender Hashtabellen, October 2019. Bachelor thesis

Publications in 2018:

(3 Journal, 3 (1+2) Books, 8 BSc/MSc theses)

Journal Articles (3)

317. Tobias Ahlbrecht, Jürgen Dix, and Niklas Fiekas. Multi-agent programming contest 2016. *IJAOSE*, 6(1):58–85, 2018
316. Tobias Ahlbrecht, Jürgen Dix, and Niklas Fiekas. Multi-agent programming contest 2017 - the twelfth edition of the MAPC. *Ann. Math. Artif. Intell.*, 84(1-2):1–16, 2018
315. Mehdi Dastani, Jürgen Dix, Harko Verhagen, and Serena Villata. Normative Multi-Agent Systems (Dagstuhl Seminar 18171). *Dagstuhl Reports*, 8(4):72–103, 2018

Book (1), Special Issue (2)

314. Mirjana Ivanovic, Costin Badica, Jürgen Dix, Zoran Jovanovic, Michele Malgeri, and Milos Savic, editors. *Intelligent Distributed Computing XI - Proceedings of the 11th International Symposium on Intelligent Distributed Computing - IDC 2017, Belgrade, Serbia, October 11-13, 2017*, volume 737 of *Studies in Computational Intelligence*. Springer, 2018
313. Tobias Ahlbrecht, Jürgen Dix, and Niklas Fiekas, editors. *MAPC 2016 Agents in the City*, volume 6 of *Special Issue of International Journal of Agent-Oriented Software Engineering*. Inderscience Publishers, 2018
312. Tobias Ahlbrecht, Jürgen Dix, and Niklas Fiekas, editors. *Multi-Agent Programming Contest 2017*, volume 84 of *Annals of Math and AI*. Springer, 2018

BSc thesis (6), MSc thesis (2)

311. Jasper Sprockhoff. Kriterien und Ansätze für die Entwicklung von Spielen eines Multi-Agenten Wettbewerbs, November 2018. Bachelor thesis
310. Thomas Borgardt. Game AI Movement and Pathfinding for Battlecode 2018, October 2018. Bachelor thesis

- 309. Kyle Schwalbe. Künstliche Intelligenz in der Medizin, June 2018. Bachelor thesis
- 308. Sarah Diedrich. Modelling Software Developer Behaviour with BDI Agents, August 2018. Master thesis
- 307. Niklas Fiekas. Finding Hash Functions for Bit-board Based Move Generation, April 2018. Master thesis
- 306. Philipp Czerner. How realistic is a change coupling graph? Estimations with convolutional networks., March 2018. Bachelor thesis
- 305. Sanja Alcu. KI - Einsatzmöglichkeiten im E-Commerce, March 2018. Bachelor thesis
- 304. Hayyan Helal. An approach using neural networks on curves to determine the front of Arabic calligraphy art works, March 2018. Bachelor thesis

Publications in 2017:

(1 Journal, 3 Conf, 2 BSc/MSc/Diploma)

Journal Articles (1)

- 303. Natasha Alechina, Nils Bulling, Brian Logan, and Hoang Nga Nguyen. The virtues of idleness: A decidable fragment of resource agent logic. *Artif. Intell.*, 245:56–85, 2017

Workshop/Conference Papers (3)

- 302. Tobias Ahlbrecht, Jürgen Dix, Niklas Fiekas, Jens Grabowski, Verena Herbold, Daniel Honsel, Stephan Waack, and Marlon Welter. Agent-based simulation for software development processes. In *Multi-Agent Systems and Agreement Technologies - 14th European Conference, EUMAS 2016, and 4th International Conference, AT 2016, Valencia, Spain, December 15-16, 2016, Revised Selected Papers*, volume 10207 of *Lecture Notes in Computer Science*, pages 333–340. Springer, 2017
- 301. Tobias Ahlbrecht, Jürgen Dix, and Niklas Fiekas. Scalable multi-agent simulation based on mapreduce. In *Multi-Agent Systems and Agreement Technologies - 14th European Conference, EUMAS 2016, and 4th International Conference, AT 2016, Valencia, Spain, December 15-16, 2016, Revised Selected Papers*, volume 10207 of *Lecture Notes in Computer Science*, pages 364–371. Springer, 2017
- 300. Daniel Honsel, Niklas Fiekas, Verena Herbold, Marlon Welter, Tobias Ahlbrecht, Stephan Waack, Jürgen Dix, and Jens Grabowski. Simulating software refactorings based on graph transformations. In *Simulation Science*, pages 161–175. Springer, 2017

BSc thesis (1), MSc thesis (1)

- 299. Jonathan Pieper. Entwicklung eines BDI basierten Agententeams für den MAPC, September 2017. Bachelor thesis
- 298. Niklas Fiekas. A simulation platform for MAS, November 2017. Master thesis

Publications in 2016:

(5 Journal, 2 Special Issues, 3 BSc/MSc/Diploma, 2 TR)

Journal Articles (5)

297. Tobias Ahlbrecht, Jürgen Dix, Niklas Fiekas, Michael Köster, Philipp Kraus, and Jörg P. Müller. An architecture for scalable simulation of systems of cognitive agents. *IJAOSE*, 5(2/3):232–265, 2016
296. Jürgen Dix, Sven Ove Hansson, Gabriele Kern-Isberner, and Guillermo Ricardo Simari. Belief change and argumentation in multi-agent scenarios. *Ann. Math. Artif. Intell.*, 78(3-4):177–179, 2016
295. Nils Bulling and Wiebe van der Hoek. Special issue on logical aspects of multi-agent systems. *Studia Logica*, 104(4):593–595, 2016
294. Nils Bulling. Special issue on multi-agent systems. *Ann. Math. Artif. Intell.*, 78(1):1–2, 2016
293. Nils Bulling and Mehdi Dastani. Norm-based mechanism design. *Artif. Intell.*, 239:97–142, 2016

Special Issues (2)

292. Fabiano Dalpiaz, Jürgen Dix, and Birna van Riemsdijk, editors. *Designing, Developing and Verifying Multi-Agent System*, volume 5 of *International Journal of Agent-Oriented Software Engineering*. Inderscience Publishers, 2016
291. Jürgen Dix, Sven Ove Hansson, Gabriele Kern-Isberner, and Guillermo Ricardo Simari, editors. *Belief change and argumentation in multi-agent scenarios*, volume 78. Springer, 2016

BSc theses (2), MSc thesis (1)

290. Sarah Diedrich. Agentenbasierte Parameteroptimierung eines Multi-Agent Programming Contest-Szenarios, September 2016. Bachelor thesis
289. Aaron Sillus. Ein Genetischer Algorithmus zur Komposition von Musik, June 2016. Bachelor thesis

288. Tobias Ahlbrecht. Modular modelling support for multiagent simulation. Master’s thesis, Institut für Informatik, July 2016. Master thesis

Technical report (2)

287. Tobias Ahlbrecht, Jürgen Dix, Niklas Fiekas, Jens Grabowski, Verena Herbold, Daniel Honsel, Stephan Waack, and Marlon Welter. Agent-based simulation for software development processes. Technical report, Technical Report IfI-16-02, TU Clausthal, 2016
286. Tobias Ahlbrecht, Jürgen Dix, and Niklas Fiekas. Scalable multi-agent simulation based on mapreduce. Technical report, Technical Report IfI-16-03, TU Clausthal, 2016

Publications in 2015:

(3 Journal, 3 Books, 4 Conf, 1 Habil, 6 BSc/MSc/Diploma)

Journal Articles (3)

285. Nils Bulling and Hoang Nga Nguyen. Model checking resource bounded systems with shared resources via alternating büchi pushdown systems. *CoRR*, abs/1508.02326, 2015
284. Nils Bulling and Matei Popovici. A game-theoretic approach to compute stable topologies in mobile ad hoc networks. *J. Log. Comput.*, 25(3):639–667, 2015
283. Christoph Knieke and Michaela Huhn. Semantic foundation and validation of live activity diagrams. *Nordic Journal of Computing*, 15(2):112–140, 2015

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

281. Jörg P. Müller, Wolf Ketter, Gal A. Kaminka, Gerd Wagner, and Nils Bulling, editors. *Multi-agent System Technologies - 13th German Conference, MATES 2015, Cottbus, Germany, September 28-30, 2015, Revised Selected Papers*, volume 9433 of *Lecture Notes in Computer Science*. Springer, 2015
280. Nils Bulling, editor. *Multi-Agent Systems - 12th European Conference, EUMAS 2014, Prague, Czech Republic, December 18-19, 2014, Revised Selected Papers*, volume 8953 of *Lecture Notes in Computer Science*. Springer, 2015

Workshop/Conference Papers (4)

279. Nils Bulling and Hoang Nga Nguyen. Model checking resource bounded systems with shared resources via alternating büchi pushdown systems. In Qingliang Chen, Paolo Torroni, Serena Villata, Jane Yung-jen Hsu, and Andrea Omicini, editors, *PRIMA 2015: Principles and Practice of Multi-Agent Systems - 18th International Conference, Bertinoro, Italy, October 26-30, 2015, Proceedings*, volume 9387 of *Lecture Notes in Computer Science*, pages 640–649. Springer, 2015
278. Natasha Alechina, Nils Bulling, Brian Logan, and Hoang Nga Nguyen. On the boundary of (un)decidability: Decidable model-checking for a fragment of resource agent logic. In Qiang Yang and Michael Wooldridge, editors, *Proceedings of the Twenty-Fourth International Joint Conference on Artificial Intelligence, IJCAI 2015, Buenos Aires, Argentina, July 25-31, 2015*, pages 1494–1501. AAAI Press, 2015
277. Bas Testerink, Nils Bulling, and Mehdi Dastani. A model for collaborative runtime verification. In Gerhard Weiss, Pinar Yolum, Rafael H. Bordini, and Edith Elkind, editors, *Proceedings of the 2015 International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2015, Istanbul, Turkey, May 4-8, 2015*, pages 1781–1782. ACM, 2015
276. Natasha Alechina, Nils Bulling, Mehdi Dastani, and Brian Logan. Practical run-time norm enforcement with bounded lookahead. In Gerhard Weiss, Pinar Yolum, Rafael H. Bordini, and Edith Elkind, editors, *Proceedings of the 2015 International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2015, Istanbul, Turkey, May 4-8, 2015*, pages 443–451. ACM, 2015
275. Nils Bulling. Formal methods for analysing, coordinating, and controlling decisions in multi-agent systems. <http://d-nb.info/1077842236>, 2015. Habilitation thesis

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
272. J. Wang. Lernmaterialien zu Algorithmen und Datenstrukturen, 2015
271. Niklas Fiekas. Ein leichtgewichtiger AgentSpeak Interpreter für C++, October 2015. Bachelor thesis
270. Naghme Fannipour. Adaptation of Systems Theoretic Process Analysis (STPA) for SCADE-based designs. Master's thesis, Institut für Informatik, October 2015
269. Pierre Colin Kaptue Wafo. Graphisches Werkzeug für die Strukturmodellierung von Bahnsicherungsanlagen. Master's thesis, Institut für Informatik, March 2015

Publications in 2014:

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

Journal Articles (9)

268. Michaela Huhn and Stefan Milius. Observations on formal safety analysis in practice. *Science of*

Computer Programming, 80, Part A(0):150 – 168, 2014. (Selected papers from FMICS’11)

267. Nils Bulling and Matei Popovici. A game-theoretic approach to compute stable topologies in mobile ad-hoc networks. *Journal of Logic and Computation*, May 2014
266. Nils Bulling. A Survey of Multi-Agent Decision Making. *KI*, 28(3):147–158, 2014
265. Nils Bulling. Editorial: Special Issue on Multi-Agent Decision Making. *KI*, 28(3):143–146, 2014
264. Nils Bulling and Wojciech Jamroga. Comparing variants of strategic ability: how uncertainty and memory influence general properties of games. *Journal of Autonomous Agents and Multi-Agent Systems*, 28(3):474–518, 2014
263. Thomas Ågotnes and Nils Bulling. Formal Methods for Coordinating Multi-Agent Systems (Dagstuhl Seminar 14332). *Dagstuhl Reports*, 4(8):21–44, 2014
262. Nils Bulling. Interview With Professor Sarit Kraus. *KI*, 28(3):215–221, 2014
261. Pietro Galliani. Transition semantics: the dynamics of dependence logic. *Synthese*, 191(6):1249–1276, 2014
260. Pietro Galliani. On strongly first-order dependencies. *CoRR*, abs/1403.3698, 2014

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

259. Fabiano Dalpiaz, Jürgen Dix, and Birna van Riemsdijk, editors. *Engineering Multi-Agent Systems - Second International Workshop, EMAS 2014, Paris, France, May 5–7, 2014, Revised Selected Papers*, volume 8758 of *Lecture Notes in Computer Science*. Springer, 2014
258. Nils Bulling, Leendert W. N. van der Torre, Serena Villata, Wojtek Jamroga, and Wamberto Vasconcelos, editors. *Computational Logic in Multi-Agent Systems - 15th International Workshop, CLIMA XV, Prague, Czech Republic, August 18–19, 2014. Proceedings*, volume 8624 of *Lecture Notes in Computer Science*. Springer, 2014
257. Holger Giese, Michaela Huhn, Jan Philipps, and Bernhard Schätz, editors. *Tagungsband des Dagstuhl-Workshops Modellbasierte Entwicklung eingebetteter Systeme (MBEES X)*, volume 2014-01 of *fortiss Bericht*, 2014
256. Nils Bulling, editor. *Special Issue on Multi-Agent Decision Making*, volume 28 of *KI-Künstliche Intelligenz*. Springer, 2014
255. Koen Hindriks and Jürgen Dix. Goal: A multi-agent programming language applied to an exploration game. In Onn Shehory and Arnon Sturm, editors, *Agent-Oriented Software Engineering*, pages 235–258. Springer, 2014
254. Tobias Ahlbrecht, Jürgen Dix, and Federico Schlesinger. From Testing Agent Systems to a Scalable Simulation Platform. In Thomas Eiter, Hannes Strass, Mirosław Truszczyński, and Stefan Woltran, editors, *Advances in Knowledge Representation, Logic Programming, and Abstract Argumentation. Essays Dedicated to Gerhard Brewka on the Occasion of His 60th Birthday*, volume 9060 of *Lecture Notes in Computer Science*, pages 47–62. Springer, 2014

Workshop/Conference Papers (6)

253. Henning Basold, Henning Günther, Michaela Huhn, and Stefan Milius. An open alternative for SMT-based verification of SCADE models. In Frédéric Lang and Francesco Flammini, editors, *19th International Workshop on Formal Methods for Industrial Critical Systems (FMICS)*, volume 8718 of *LNCS*, pages 124–139, 2014
252. Sara Bessling and Michaela Huhn. Towards formal safety analysis in feature-oriented product line development. In *3rd International Symposium on Foundations of Health Information Engineering and Systems (FHIES 2013)*, volume 8315 of *LNCS*, pages 217–235. Springer, 2014
251. Nils Bulling. A Boolean game based modelling of socio-technical systems. In Joerg P. Mueller, Michael Weyrich, and Ana L. C. Bazzan, editors, *MATES 2014: Multiagent System Technologies XII*, LNAI, pages 7–25. Springer, September 2014

250. Nils Bulling, Wojciech Jamroga, and Matei Popovici. ATL* with truly perfect recall: Expressivity and validities. In *Proceedings of the 21st European Conference on Artificial Intelligence (ECAI 2014)*, pages 177–182, Prague, Czech Republic, August 2014
249. Nils Bulling, Wojciech Jamroga, and Matei Popovici. Agents with truly perfect recall in alternating-time temporal logic (extended abstract). In *Proceedings of the 13th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2014)*, pages 1561–1562, Paris, France, May 2014. ACM Press
248. Tobias Ahlbrecht, Jürgen Dix, Michael Köster, Philipp Kraus, and Jörg P. Müller. A scalable runtime platform for multiagent-based simulation. In Fabiano Dalpiaz, Jürgen Dix, and Birna van Riemsdijk, editors, *Engineering Multi-Agent Systems - Second International Workshop, EMAS 2014, Paris, France, May 5–7, 2014, Revised Selected Papers*, Lecture Notes in Computer Science, pages 81–102. Springer, 2014

Technical report (1)

247. Tobias Ahlbrecht, Jürgen Dix, Michael Köster, Philipp Kraus, and Jörg P. Müller. A scalable runtime platform for multiagent-based simulation. Technical Report IfI-14-02, TU Clausthal, February 2014

MSc theses (2)

246. Xiaoqian Gu. Modellierung und Verifikation einer Familie von sicherheitskritischen, medizinischen Geräten mit SCADE. Master’s thesis, Institut für Informatik, September 2014
245. Sara Mahvi. Model-Based Safety Analysis of a Medical Device using SCADE Modeling Tool. Master’s thesis, Institut für Informatik, October 2014

Publications in 2013:

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

Journal Articles (6)

244. Jürgen Dix, Sven Ove Hansson, Gabriele Kern-Isberner, and Guillermo Ricardo Simari. Belief change and argumentation in multi-agent scenarios (Dagstuhl seminar 13231). *Dagstuhl Reports*, 3(6):1–21, 2013
243. Pietro Galliani. The dynamification of modal dependence logic. *Journal of Logic, Language and Information*, pages 1–27, 2013
242. P. Galliani. Transition semantics: the dynamics of dependence logic. *Synthese*, pages 1–28, 2013
241. Pietro Galliani. General models and entailment semantics for independence logic. *Notre Dame Journal of Formal Logic*, 54(2):253–275, 2013
240. Pietro Galliani. Epistemic operators in dependence logic. *Studia Logica*, pages 1–31, 2013
239. Pietro Galliani and Allen L Mann. Lottery semantics: A compositional semantics for probabilistic first-order logic with imperfect information. *Studia Logica*, pages 1–30, 2013

Chapters in books (2)

238. Rafael Bordini and Jürgen Dix. Chapter 13: Programming Multi-Agent Systems. In Gerhard Weiss, editor, *Multiagent systems*, pages 587–639. MIT-Press, 2013
237. Jürgen Dix and Michael Fisher. Chapter 14: Verifying Multi-Agent Systems. In Gerhard Weiss, editor, *Multiagent systems*, pages 641–693. MIT-Press, 2013

Workshop/Conference Papers (11)

236. Nils Bulling and Valentin Goranko. How to be both rich and happy: Combining quantitative and qualitative strategic reasoning about multi-player games. In *Proceedings of the 1st International*

Workshop on Strategic Reasoning, Electronic Proceedings in Theoretical Computer Science, pages 33–41, Rome, Italy, March, 16-17 2013

235. Nils Bulling, Sujata Ghosh, and Rineke Verbrugge. Reaching your goals without spilling the beans: Boolean secrecy games. In *PRIMA 2013: Principles and Practice of Multi-Agent Systems*, pages 37–53, Dunedin, New Zealand, December 2013
234. Nils Bulling and Mehdi Dastani. Coalitional responsibility in strategic settings. In Joao Leite and Tran Cao Son, editors, *Computational Logic in Multi-Agent Systems - 14th International Workshop, CLIMA XIV*, Lecture Notes in Computer Science, pages 172–189, Corunna, Spain, September 16-18 2013. Springer
233. Michael Köster, Federico Schlesinger, and Jürgen Dix. The multi-agent programming contest 2012. In *Programming Multi-Agent Systems*, volume 7837 of *Lecture Notes in Computer Science*, pages 174–195. Springer Berlin Heidelberg, 2013
232. Tobias Ahlbrecht, Jürgen Dix, Michael Köster, and Federico Schlesinger. Multi-agent programming contest 2013. In Massimo Cossentino, Amal El Fallah-Seghrouchni, and Michael Winikoff, editors, *Engineering Multi-Agent Systems - First International Workshop, EMAS 2013, St. Paul, MN, USA, May 6-7, 2013, Revised Selected Papers*, volume 8245 of *Lecture Notes in Computer Science*, pages 292–318. Springer, 2013
231. Tobias Ahlbrecht, Christian Bender-Saebelkampff, Maiquel de Brito, Nicolai Christian Christensen, Jürgen Dix, Mariana Ramos Franco, Hendrik Heller, Andreas Viktor Hess, Axel Hekler, Jomi Fred Hübner, Andreas Schmidt Jensen, Jan-nick Boese Johnsen, Michael Köster, Chengqian Li, Lu Liu, Marcelo Menezes Morato, Philip Bratt Ørum, Federico Schlesinger, Tiago Luiz Schmitz, Jaime Simão Sichman, Kaio Siqueira de Souza, Daniela Maria Uez, Jørgen Villadsen, Sebastian Werner, Øyvind Grønland Woller, and Maicon Rafael Zattelli. Multi-agent programming contest 2013: The teams and the design of their systems. In Massimo Cossentino, Amal El Fallah-Seghrouchni, and Michael Winikoff, editors, *Engineering Multi-Agent Systems - First International Workshop, EMAS 2013, St. Paul, MN, USA, May 6-7, 2013, Revised Selected Papers*, volume 8245 of *Lecture Notes in Computer Science*, pages 366–390. Springer, 2013
230. Nils Bulling, Mehdi Dastani, and Max Knobbout. Monitoring norm violations in multi-agent systems. In *Proceedings of the 10th International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2013)*, pages 491–498, Saint Paul, Minnesota, USA, May 2013. ACM Press
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PhD thesis (1)

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