

CURRICULUM VITAE (version of October 2014)

Personal details

Surname: Broersen,
First name: Johannes Maria (Jan)
Date of birth: October 16th, 1966
Place of birth: Den Helder, the Netherlands
Address: Van der Palmkade 1, 1051 RE, Amsterdam, tel. 020-4120827
Marital status: married, 3 children

Education

2003 Doctorate at the VU University Amsterdam. Title PhD thesis: 'Modal Action Logics for Reasoning about Reactive Systems'. Daily advisor: prof. dr. Roel Wieringa. Additional advisors: prof. dr. John-Jules Meyer, prof. dr. Reind van de Riet
1993-1996 vwo, Russian, Amsterdam College, Amsterdam.
1992-1993 Postgraduate teacher education, VU University Amsterdam. Title thesis: 'Formalistisch leergedrag in het wiskunde-onderwijs aan de middelbare school'.
1986-1992 Mathematics, Delft University of Technology. Masters thesis in theoretical computer science under supervision of Cees Witteveen. Title thesis: 'Disjunctions in Reason Maintenance Systems'.
1985-1987 Electrical Engineering, Delft University of Technology.
1979-1985 vwo, Johannes College, Den Helder.

Work experience

2003-2013 Assistant professor (1 fte) in the Intelligent Systems Group, Department of Information and Computing Sciences, Faculty of science, Utrecht University.
2002-2003 Postdoctoral researcher (1 fte) in the Knowledge Representation & Reasoning Group chaired by Frank van Harmelen, VU University Amsterdam.
1991-2003 Partner at Alfabeta Tekst and Training, a small company that specializes in Dutch language courses, business correspondence and writing. I developed course material, coordinated teaching activities, and was responsible for accounting.
1995-2002 PhD student (0.8 fte) in the Information Management and Software Engineering group at VU University Amsterdam.
1992-1995 Teacher mathematics at Casparus-college Naarden/Weesp, with senior classes mathematics A and B, havo and atheneum.

Academic qualifications

2014 Senior Research Qualification (SKOz)
2012 Senior Teaching Qualification (SKOw)
2005 Basic Teaching Qualification (BKO)
2003 Basic Research Qualification (PhD)

Research interests

1. Logics for Artificial Intelligence, with a focus on logics of action, agency and responsibility. Also: epistemic logic, non-monotonic logic, deontic logic, game logic.
2. Ethics, norms, philosophy of AI, action theory.
3. Applications of AI (in serious gaming, virtual worlds mediated interactions¹, robotics, social simulation, decision support, etc.).

¹ My own terminology

Chair positions

Program chair 1st international workshop on Norms, Actions and Games (NAG 2014).

Member steering committee for “The International Conference on Deontic Logic and Normative Systems”, 4 year term, starting february 2014.

Program chair 12th European conference on symbolic and quantitative approaches to reasoning with uncertainty (ECSQARU 2013).

Program chair 11th international conference on deontic logic in computer science (DEON 2012).

Workshop and conference organizing

King’s college workshop on Norms, Actions and Games, London (co–initiator, co–organizer)

Conference ECSQARU 2013, Utrecht (co–organizer)

Symposium Norms Games and Dependencies 2011, Utrecht (initiator, organizer)

Workshop Formal Models of Norm Change 2010, The Netherlands (co–initiator, co–organizer)

Workshop Knowledge Representation and Multi Agent Systems 2008, Australia (co–organizer)

Workshop Formal Models of Norm Change 2008, Luxembourg (co–initiator, co–organizer)

Symposium Artificial Normative Systems 2007, Utrecht (organizer)

Conference DEON 2006, The Netherlands (co–organizer)

Conference AAMAS 2005, The Netherlands (technical supervision)

Editorships

Member editorial board IfCoLog Journal of Logics and their Applications (open access, charge–free publication, College publications, UK).

(Journal, special issue) Linda van der Gaag, Jan Broersen and Silja Renooij, Special Issue ECSQARU 2013, International Journal of Approximate Reasoning, expected for 2014.

(proceedings) Thomas Agotnes and Jan Broersen and Dag Elgesem, (2012). Deontic Logic in Computer Science, Proceedings 11th International Conference DEON 2012, Bergen, Norway, July 16–18, 2012, Lecture Notes in Artificial Intelligence, Vol. 7393.

(proceedings) J–J.Ch. Meyer and J.M. Broersen (2009). Knowledge Representation for Agents and Multi–Agent Systems (KRAMAS 2008). Lecture Notes in Artificial Intelligence, Vol. 5605.

PhD–committee memberships

Truls Pedersen, University of Bergen, Norway, december 2014 (jury member)

Jesse Mulder, Philosophy, Utrecht University, june 2014 (jury member)

Xin Sun, University of Luxembourg, in progress (thesis supervisory committee)

Aleks Knoks, Ghent University, Belgium, in progress (DBC)

Mathieu Beirlaen, Ghent University, Belgium, september 2012 (jury member)

Michal Sindlar, Computer science, Utrecht University, november 2011 (jury member)

Paolo Turrini, Computer science, Utrecht University, november 2011 (daily advisor)

John C. Mc Cabe–Dansted, University of Western Australia, december 2010 (jury member)

Julien Brunel, Université Paul Sabatier Toulouse, France, december 2007 (advisor, jury member)

Nicolas Troquard, Université Paul Sabatier Toulouse, France, juni 2007 (advisor, jury member)

Birna van Riemsdijk, Computer science, Utrecht University, november 2006 (jury member)

Invited talks at conferences, workshops, seminars, colloquia and symposia

- 2015, March 19th, “A spatial stit–logic approach to real possibilities”, conference on “Real possibilities, indeterminism and free will”, University of Konstanz, Germany
- 2014, October 10th, “Causation and Responsibility: an Unhappy Marriage”, special session on Causation and Responsibility at the Conference of the French Association of Economics and Philosophy, Strasbourg, France
- 2014, June 5th, “What is needed to come to responsible intelligent systems?”, workshop on ‘The Politics and Philosophy of Artificial Intelligence’, London School of Economics (LSE), London, United Kingdom
- 2013, November 21st, “Two different routes to the formalization of volitional action”, Interdisciplinary Workshop: ‘Volitional action – bottom up and top down’, ZIF, Bielefeld, Germany.
- 2013, June 25th, “Logical Models of Alternate Possibilities, Responsibility and Free Will”, Café-KI, Utrecht
- 2013, June 13th, “Logical Models of Alternate Possibilities, Responsibility and Free Will”, Workshop ‘New Perspectives on Free Will and Responsibility’, London School of Economics (LSE), London, United Kingdom.
- 2013, June 7th, “Logical Models of Alternate Possibilities, Responsibility and Free Will”, Workshop ‘Logic and Interaction’, Bergen University, Bergen, Norway.
- 2012, November 22th, “Logics for Responsibility”, Colloquium in Logic and Epistemology, Ruhr University Bochum, Germany.
- 2012, November 1st, “Stit Logic: an Introduction”, Sintelnet workshop on Action and Agency, London University, United Kingdom.
- 2012, October 12th, “Using stit logic to talk about strategies”, Logic seminar, Bergen University, Norway
- 2012, September 14th, “An Analysis of Moral Luck in Probabilistic Deontic stit Logic”, Acting Right; Workshop on Norms, Games and Actions, Ghent University, Belgium
- 2012, June 15th “A formalization of moral luck”, wirp–N Workshop, Philosophy department, Utrecht
- 2012, February 22th “A probabilistic stit–view on reasoning about strategies”, Workshop Modeling Strategic Reasoning, Lorentz Center, Leiden
- 2011, September 29th, “Choice, Attempt and Action in Deontic Probabilistic Stit Logic”, Semantics and Philosophy in Europe (SPE–4), Department of Philosophy II, Ruhr University Bochum, Germany
- 2011, July 18th, “Probabilistic Action and Deontic Logic”, 12th International Workshop on Computational Logic in Multi–Agent Systems (CLIMA XII), Barcelona, 2011
- 2011, April 27th: “Virtual worlds and real worlds: distinctions, interactions and confusions”, game symposium DGDARC “Games versus Reality”, Utrecht
- 2011, April 8th: “Action, Failure and Free Will Choice in Epistemic stit Logic”, starting symposium VIDI–project “What is really possible”, Utrecht
- 2010, June 22th: “A stit–logic analysis of intentional action”, technical philosophy lunch, Utrecht
- 2010, March 31th: “Will we ever treat artificial agents as human?”, Café-KI, Utrecht
- 2010, February 25th: “A stit–logic analysis of intentional action”, ILIAS seminar, Luxembourg
- 2010, January 8th: Opening talk USCKI–symposium “It’s a Logic World!”, Utrecht
- 2009, October 26th: “Making strategies more explicit (but not too much)”, Logics for Dynamics of Information and Preferences, seminar session on Strategies, ILLC, Uva, Amsterdam
- 2009, June 8th, “Formalizing Modes of Mens Rea”, Philosophy department’s colloquium series, Delft
- 2009, January 15th: “Epistemic Deontic (Strategic) STIT–Logic”, Grolog talk, Groningen
- 2008, November 26th, “Epistemic Deontic STIT–Logic”, Logical Models of Reasoning and Computation II, Utrecht
- 2008, May 13th: “From Norm Creation through Norm Revision to Norm Acceptance”, OAMAS workshop at AAMAS 2008
- 2008, May 6th, “Some new challenges for understanding the logical interaction of knowledge and action”, Logical Models of Reasoning and Computation I, Moscow
- 2007, December 5th: “Doing Things (Un)knowingly: Explorations in Epistemic STIT Theory”, ILLC talk

2007, July 19th: “Formalizing the many meanings of ‘can’”, IRIT seminar, Toulouse
2007, January 19th: “Multi-Agent Deontic Logics”, Vereniging voor Logica, Utrecht
2006, December 15th: “Deontic Logics of Time and Action”, NIAS, Leiden
2006, March 28th: “Temporal deontic logic as a reduction to ATL”, Computer Science Seminars, Liverpool
2005, September 8th: “Engineering Modal Logics for Reasoning about Agency, Time, and Obligation”, International Conference on Computer Science Applications of Modal Logic, Moscow
2004, November 30th: “Deadline Obligations in ATL: Reductions and Semantical Considerations”, IRIT seminar, Toulouse
2003, November 7th: “What an Agent Ought to do: a discussion of John Horty’s ‘Agency and Deontic Logic’”, CABS colloquium, Utrecht
2003, July 18th: “On a dynamic logic for operationalized motivational attitudes”, IRIT seminar, Toulouse

Teaching at international summer schools, research schools and conferences

The NASSLLI'14 course “Logics of Agency”, University of Maryland, College Park, USA
The course “Logic Models for Responsibility” for the Joint International Doctoral (PhD) Degree in Law, Science and Technology, Luxembourg University, June 2014
The ESSLLI'13 course “logics for (artificial) agency”, Heinrich Heine University Düsseldorf, Germany
Semantics and Philosophy in Europe 4, one day tutorial on “Action Sentences”, Ruhr University Bochum, sept 2011.
The ESSLLI'11 course “An Advanced Treatment of Five Problems of Deontic Logic and Normative Reasoning in Computer Science”, University of Ljubljana, Slovenia
The ESSLLI'10 course “Ten Problems of Deontic Logic and Normative Reasoning in Computer Science”, University of Copenhagen, Denmark
The ESSLLI'07 course “Logics for Agency and Multi-agent Systems”, Trinity College Dublin, Ireland
The SIKS'07 course “Agent Logics: an Introduction to Modal Logic for Agency and Multi-agent systems”, Vught, The Netherlands
The SIKS'05 course “Logics for AI: an Introduction”, Vught, The Netherlands
The EASSS'05 course “Logics for AI: an Introduction”, Utrecht, The Netherlands
The SIKS'03 course “Modal Logic and some of its Applications”, Vught, The Netherlands

PC-memberships

The European Conference on Social Intelligence (ECSI-2014)
5th International Conference on Logic, Rationality and Interaction (LORI V)
29th AAAI Conference on Artificial Intelligence (AAAI 2015)
14th European Conference on Logics in Artificial Intelligence (JELIA 2014)
15th International Workshop on Computational Logic in Multi-Agent Systems (CLIMA XV)
Workshop on Information Dynamics in Artificial Societies (IDAS@ESSLLI2014)
7th Workshop on Logical Aspects of Multi-Agent Systems (LAMAS 2014)
12th Workshop on Deontic Logic in Computer Science (DEON 2014)
15th International Workshop on Non-Monotonic Reasoning (NMR 2014)
28th AAAI Conference on Artificial Intelligence (AAAI 2014)
11th Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2014)
14th International Workshop on Computational Logic in Multi-Agent Systems (CLIMA XIV)
23st International Joint Conference on Artificial Intelligence (IJCAI 2013)
27th AAAI Conference on Artificial Intelligence (AAAI 2013)
14th International Conference on AI and Law (ICAAIL 2013)
10th International Workshop on Declarative Agent Languages and Technologies (DALT 2012)
20th European Conference on Artificial Intelligence (ECAI 2012)
6th International RuleML Symposium on Rules (RuleML@ECAI 2012)
14th International Workshop on Non-Monotonic Reasoning (NMR 2012)

10th Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2012)
 5th International RuleML Symposium on Rules (RuleML@IJCAI 2011)
 9th International Workshop on Declarative Agent Languages and Technologies (DALT 2011)
 22st International Joint Conference on Artificial Intelligence (IJCAI 2011)
 12th International Workshop on Computational Logic in Multi-Agent Systems (CLIMA XII)
 13th International Conference on AI and Law (ICAIL 2011)
 11th International Workshop on Computational Logic in Multi-Agent Systems (CLIMA XI)
 19th European Conference on Artificial Intelligence (ECAI 2010)
 8th International Workshop on Declarative Agent Languages and Technologies (DALT 2010)
 Theories of information dynamics and interaction and their application to dialogue (TIDIAD@ESLLI 2010)
 9th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2010)
 Workshop on "Preferences and Norms" (NMR workshop 2010)
 10th Workshop on Deontic Logic in Computer Science (DEON 2010)
 2nd Workshop on Logics for Intelligent Agents and Multi-Agent Systems (WLIAMAS 2009)
 Normative Multi-Agent Systems (NORMAS 2009)
 Workshop on Logical methods for social concepts (LMSC@ESLLI 2009)
 7th International Workshop on Declarative Agent Languages and Technologies (DALT 2009)
 Logic and the Simulation of Interaction and Reasoning (LSIR2@IJCAI 2009)
 21st International Joint Conference on Artificial Intelligence (IJCAI 2009)
 8th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2009)
 International Conference on Agents and Artificial Intelligence (ICAART 2009)
 Engineering Open Complex Systems: Meta-synthesis of Computing Paradigms (EOCS-MCP 2008)
 Workshop on Knowledge Representation for Agents and Multi-Agent Systems (KRAMAS@KR 2008)
 Dynamics in Logic 2008 (DiL@ESLLI 2008) (workshop canceled)
 Organized Adaptation in Multi-Agent Systems (OAMAS@AAMAS 2008)
 9th Workshop on Deontic Logic in Computer Science (DEON 2008)
 Normative Multi-Agent Systems (NORMAS 2008)
 7th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2008)
 6th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2007)
 8th Workshop on Deontic Logic in Computer Science 2006 (DEON 2006)
 5th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2006)
 4th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2005)
 3rd International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2004)

Scholarships, grants and prizes

2014–2019: "Responsible Intelligent Systems", ERC Consolidator grant, 3 PhD students, 3 Postdocs, 1 research assistant (0.25 fte), 1 associate professor research position (0.85 fte).

First place in the top 25 of most downloaded papers of the Journal of Applied Logic over the period May–June–July 2011 for "Deontic Epistemic stit-Logic Distinguishing Modes of Mens Rea" (<http://top25.sciencedirect.com/subject/mathematics/16/journal/journal-of-applied-logic/15708683/archive/33/>).

Best paper award 10th Pacific Rim International Conference on Multi-Agents (PRIMA07) for "Reasoning About Norms, Obligations, Time and Agents".

2007–2011: "Logical Models for the Dynamics of Motivational Attitudes", 1 PhD student, Grant CKI-UU Research fund, Utrecht University.

Several grants from NWO, KNAW, AIJ (and other sponsors) for organizing the International conference on deontic logic in computer science (DEON 2006, Utrecht), the symposium "Artificial

Normative Systems”, Utrecht 2007, Workshop Formal Models of Norm Change (FMNC 2010, Amsterdam) and for ECSQARU 2013.

Supervision of bachelor and master students

Name	Study	Level	Type	Place	Date
Sjoerd de Valk	CKI	M	Thesis		March 2004
Judith Herrewijn	CKI	M	Internship	LibrT, Amsterdam	February 2003
Laurens Winkelhagen	CKI	M	Thesis		June 2006
Judith Herrewijn	CKI	M	Thesis	LibrT, Amsterdam	September 2005
Kasper van den Berg	INF	M	Thesis		June 2006
Camy Wong	CKI	M	Thesis		June 2006
Roel van Tiel	INF	M	Thesis	PlayLogic, Breda	October 2006
Mark Slotboom	CKI	M	Internship	LibrT, Amsterdam	May 2006
Danielle de Man	CKI	M	Internship	BNCS, Reeuwijk	July 2006
Tom Kemper	CKI	M	Thesis		August 2006
Linda Langheld	CKI	M	Thesis		August 2006
Willem Heijltjes	CKI	M	Thesis		March 2007
Wouter Tinus	INF	M	Thesis		December 2007
Ruben van Vliet	INF	B	Thesis	Movares	September 2008
Tom Sanders	INF	B	Thesis	Movares	n.a.
Tom Hastjarjanto	INF	B	Thesis	Movares	n.a.
Ritesh Jagesar	INF	B	Thesis	Movares	n.a.
Thomas Markus	CKI	M	Internship	Philosophy, Utrecht	May 2008
Rients van Wijngaarden	CKI	M	Thesis		June 2008
Thomas Markus	CKI	M	Thesis		April 2009
Edwin Otten	CKI	B	Thesis		March 2010
Erik Kant	INF	M	Thesis		July 2010
Jeroen Linssen	CKI	B	Thesis		July 2009
Kaz de Groot	CKI	B	Thesis		July 2009
Martijn van den Heuvel	CKI	B	Thesis		July 2009
Taco Steemers	CKI	B	Thesis		July 2009
Thomas Elschot	INF	M	Thesis	VSTEP, Rotterdam	December 2010
Peter van den Berg	CKI	B	Thesis		June 2010
Ivo van den Berg	CKI	B	Thesis		April 2010
Jonas Matser	CKI	M	Thesis		March 2011
Jolanda van Steenbergen	CKI	B	Thesis		June 2010
Emmanuelle Dietz	INF	M	Thesis		April 2011
Jeroen Linssen	CKI	B	Internship	TNO, Soesterberg	to John-Jules Meyer

Name	Study	Level	Type	Place	Date
Bram Staps	INF	M	E-project		December 2010
Ruurdje Procee	CKI	B	Internship	TNO, Soersterberg	February 2010
Bram Staps	INF	M	Thesis		October 2011
Ronny Prinsen	INF	M	Thesis		June 2012
Jori Schijndel	CKI	B	Thesis		June 2011
Koen Bonenkamp	CKI	B	Thesis		May 2011
Koen Klinkers	CKI	B	Thesis		May 2011
Calin Bindea	INF	M	Thesis	VSTEP, Rotterdam	March 2012
Onno Treep	CKI	B	Thesis		February 2012
Arnoud Pastink	INF	M	Thesis	University of Liverpool	to Jan van Leeuwen
Marijn Raven	CKI	B	Thesis		Switched
Roseline de Boer	CKI	B	Thesis		Switched
Tinka Giele	CKI	B	Thesis		September 2011
Sander van Kasteel	CKI	M	Internship	TNO, Soesterberg	October 2011
Loy van Beek	INF	M	Thesis	TU Eindhoven	February 2013
Wilco Tielman	CKI	B	Thesis		July 2012
Rutger Hommes	CKI	B	Thesis	CWI, Amsterdam	May 2012
Kasper van Mens	CKI	B	Thesis		May 2012
Shoshannah Tekofsky	INF	M	E-Project		August 2012
Maaïke Fleuren	CKI	B	Thesis		July 2012
Maarten Dijkstra	INF	M	Thesis		Switched
Rob Franken	INF	M	Thesis		August 2013
Jiske van der Lof	CKI	B	Thesis		May 2013
Nadine Hermans	CKI	B	Thesis		July 2013
Daniël Meinsma	KI	B	Thesis	Sogyo, De Bilt	cancelled
Bas van Zuijlen	CKI	B	Thesis		July 2013
Rick Sen	CKI	B	Thesis		November 2013
Dian van Elst	CKI	B	Thesis	Eindhoven	July 2013
Frank Bijlsma	INF	M	Thesis		July 2014
Renate Eilers	KI	B	Internship	TNO, Soersterberg	November 2013
Jetze Baumfalk	KI	M	Capita selecta		cancelled
Peter Dekker	KI	B	Thesis		cancelled (due to ERC)
Rutger Harder	INF	M	Thesis	Meinmein, Utrecht	June 2014
Koen Rodenburg	CAI	M	Internship	NCIM-Groep, Leidschendam	February 2014
Selmar Kok	GMT	M	Small Project		February 2014
Patrick Wouterse	GMT	M	Small Project		February 2014
Stephan van der Feest	TAI	M	Thesis		in progress
Bram van Montfort	KI	B	Thesis		in progress

Name	Study	Level	Type	Place	Date
Laura Cromzigt	KI	B	Thesis		in progress
Rens ter Maat	KI	B	Thesis		in progress

Academic management activities

Confidential advisor teaching affairs (since 2013)
 Member steering group Utrecht Center for Game Technology (since 2013)
 Developer masterclass computer science (2011)
 Supervisor at Junior College Utrecht (2010/2011)
 Book and journal selection for the IS-groep, member library committee (2004 – 2013)
 Member teaching committee (C)KI (since 2004)
 Member curriculum committee master CKI (2011)
 Member task-force curriculum change bachelor CKI (2012)
 Member teaching advice committee computer science (2005 – 2013)
 Member curriculum committee bachelor computer science (2010)
 Chair advice group mathematics and computer science (2010)
 Chair advice group curriculum change algorithmics and AI (2011)
 Coordinator ISIS-colloquia (2003 – 2011)
 Coordinator promotional activities AI master(s) (2006–2014)
 Member committee promotional activities computer science (2006–2014)
 Member committee unique selling points computer science (2007)
 Tutorship bachelor (C)KI (2007 – 2012)
 Tutorship bachelor Computer Science (since 2013)

Publications

Most of my publications can be found on my website: <http://www.staff.science.uu.nl/~broer110/>

2014

Responsible Intelligent Systems, Jan Broersen, Künstliche Intelligenz, German Journal on Artificial Intelligence, DOI 10.1007/s13218-014-0305-4, Springer, 2014.

Responsibility, Alternative Possibility and Attempt, Jan Broersen, Proceedings Sixth Workshop on Logical Aspects of Multi-Agent Systems (LAMAS@AAMAS 2014).

A stit Logic Analysis of Morally Lucky and Legally Lucky Action Outcomes, Jan Broersen, Studia Logica book series “Trends in Logic”, subseries “Outstanding contributions”, devoted to the work of Nuel Belnap, Springer, 2014.

Action, Failure and Free Will Choice in Stit Logic, Jan Broersen, John-Jules Charles Meyer, In 'Epistemology, Context and Formalism', edited by Franck Lihoreau and Manuel Rebuschi, Springer, Synthese Library 369, 141–168, Springer 2014.

2013

Towards a Generic Player Age Model, Shoshannah Tekofsky, Pieter Spronck, Martijn Goudbeek, Jan Broersen, Proceedings ninth AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment (AIIDE-13), AAAI proceedings, 184–190, 2013.

Play Style: Showing Your Age, Shoshannah Tekofsky, Pieter Spronck, Aske Plaat, Jaap van den Herik, Jan Broersen, Proceedings IEEE Conference on Computational Intelligence and Games (CIG), 1–8, IEEE, 2013.

Forbidding Undesirable Agreements, Paolo Turrini, Davide Grossi, Jan Broersen, John-Jules Meyer, *Journal of Logic and Computation*, Oxford University Press, 2013 (online publication).

On the Reconciliation of Logics of Agency and Logics of Event Types, Jan Broersen, in 'Krister Segerberg on Logic of Actions', *Studia Logica* book series "Trends in Logic", subseries "Outstanding contributions to logic 1", devoted to the work of Krister Segerberg, Springer, edited by R. Trypuz, 41–60, 2013.

PsyOps: Personality Assessment Through Gaming Behavior, Shoshannah Tekofsky, Pieter Spronck, Aske Plaat, Jaap van den Herik, Jan Broersen, *Proceedings 8th International Conference on the Foundations of Digital Games*, ACM proceedings 2013.

Normative Reasoning and Consequence, Jan Broersen, Stephen Cranefield, Yehia Elrakaiby, Dov Gabbay, Davide Grossi, Emiliano Lorini, Xavier Parent, Leendert W. N. van der Torre, Luca Tummolini, Paolo Turrini, and François Schwarzentruher, *Dagstuhl Follow-Ups Vol. 4*, 33–70, Dagstuhl Publishing, 2013.

Deontic Logic and Agency, Jan Broersen, *The Encyclopedia of Philosophy and the Social Sciences*, edited by Byron Kaldis, SAGE publications, April 2013.

Deontic Logic, Jan Broersen, Dov Gabbay, Andreas Herzig, Emiliano Lorini, John-Jules Meyer, Xavier Parent, Leendert van der Torre, *Agreement Technologies, Law, Governance and Technology Series 8*, edited by Sascha Ossowski, 171–181, Springer 2013.

Probabilistic Stit Logic and its Decomposition, Jan Broersen, *International Journal of Approximate Reasoning* 54, 467–477, Elsevier, 2013.

2012

Changing Norms is Changing Obligation Change, Jan Broersen, Dov Gabbay, Leendert van der Torre, *Eleventh International Workshop on Deontic Logic in Computer Science (DEON'12)*, *Lecture Notes in Artificial Intelligence* 7393, 199–214, Springer, 2012.

Ten Problems of Deontic Logic and Normative Reasoning in Computer Science, Jan Broersen and Leendert van der Torre, *ESSLLI 2010 course*, *Lecture Notes in Computer Science* 7388, 55–88, Springer, 2012.

Three Points of Disagreement with Gideon Yaffe on Attempt, *Review Symposium Gideon Yaffe, Attempts in the Philosophy of Action and the Criminal Law*, Jan Broersen, *Jurisprudence* 3(1), 2012.

Regulating competing coalitions: a logic for socially optimal group choices
Paolo Turrini, Jan Broersen, Rosja Mastop, John-Jules Meyer, *Journal of Applied Non-classical Logics*, *Hermes-Lavoisier*, 2012.

2011

Probabilistic Action and Deontic Logic, Jan Broersen, invited abstract to the *Proceedings of the 12th International Workshop on Computational Logic in Multi-Agent Systems*, *Lecture Notes in Artificial Intelligence* 6814, 293–294, Springer, 2011.

Modeling Attempt and Action Failure in Probabilistic Stit Logic, Jan Broersen, *Proceedings of Twenty-Second International Joint Conference on Artificial Intelligence (IJCAI 2011)*, 792–797, 2011.

Probabilistic Stit Logic, Jan Broersen, *Proceedings 11th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2011)*, *Lecture Notes in Artificial Intelligence*, 6717, 521–531, Springer, 2011.

Making a Start with the Stit Logic Analysis of Intentional Action, Jan Broersen, Journal of Philosophical Logic, Vol 40. 399–420, Springer, 2011.

Deontic Epistemic Stit Logic Distinguishing Modes of Mens Rea, Jan Broersen, Journal of Applied Logic, Vol 9, nr 2, 127–152, Elsevier, 2011.

Grounding Power on Actions and Mental Attitudes, Emiliano Lorini, Nicolas Troquard, Andreas Herzig, and Jan Broersen, FAMAS'007 special issue Logic Journal of the IGPL, Oxford journals, october 2011.

2010

Forbidding Undesirable Agreements, Paolo Turrini, Jan Broersen, Davide Grossi, John–Jules Meyer, Proceedings Tenth International Workshop on Deontic Logic in Computer Science (DEON'10), Lecture Notes in Computer Science 6181, 306–322, Springer, 2010.

CTLSTIT: enhancing ATL to express important multi–agent system verification properties, Jan Broersen, Proceedings 9th International Conference on Autonomous Agents and Multiagent Systems, 683–690, ACM Press, 2010.

2009

What groups do, can do, and know they can do: a normal modal logic analysis, Jan Broersen, Andreas Herzig and Nicolas Troquard, Journal of Applied Non–classical Logic, vol 19, nr 3, 261–289, Hermes–Lavoisier, 2009.

An Update Operator for Strategic Ability, Paolo Turrini, Jan Broersen, Rosja Mastop and John–Jules Meyer, 2nd International Workshop on Logic, Rationality and Interaction (LORI–II), Lecture Notes in Artificial Intelligence 5834, 292–301, Springer, 2009.

Representing Excuses in Social Dependence Networks, Guido Boella, Jan Broersen, Leendert van der Torre, Serena Villata, 11th Conference of the Italian Association for Artificial Intelligence (AI*IA 2009), Lecture Notes in Artificial Intelligence 5883, 365–374, Springer, 2009.

A stit Logic for Extensive Form Group Strategies, Jan Broersen, 2nd Workshop on Logics for Intelligent Agents and Multi–Agent Systems (WLIAMAS 2009), IEEE Computer Society Press, 2009.

Strategic Ability Update: A Modal Logic Account, Jan Broersen, Rosja Mastop, John–Jules Meyer and Paolo Turrini, 2nd Workshop on Logics for Intelligent Agents and Multi–Agent Systems (WLIAMAS 2009), IEEE Computer Society Press, 2009.

First Steps in the stit Logic Analysis of Intentional Action, Jan Broersen, ESSLLI 2009 workshop on Logical Methods for Social Concepts (LMSC'09), ESSLLI workshop proceedings 2009.

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