

Dr Francesco BELARDINELLI

DATE AND PLACE OF BIRTH: 8 July 1978, Senigallia (IT)
NATIONALITY: Italian
ADDRESS: Department of Computing, Imperial College London
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CURRENT POSITION

10/18- | **Department of Computing, Imperial College London, UK**
Lecturer in Computer Science

PREVIOUS POSITIONS

09/12-09/18 | **Laboratoire IBISC** (Informatique, Biologie Intégrative et Systèmes Complexes)
Université d'Evry, France
Maître de Conférences HDR in COMPUTER SCIENCE

12/15-08/16 | **Department of Computing, Imperial College London, UK**
Research Associate
Prof. Lomuscio's EPSRC Leadership Fellowship "Trusted Autonomous Systems"

07/11-08/12 | **Department of Computing, Imperial College London, UK**
Research Associate
EU STREP Project ACSI (Artifact-Centric Service Interoperation)

07/09-07/11 | **Department of Computing, Imperial College London, UK**
IEF Marie Curie Fellow
FoMMAS project: First-order Modal Logics for the Specification and Verification of Multi-Agent Systems

07/07-07/09 | **Scuola Normale Superiore, Pisa, Italy**
Post-Doc Researcher
Project *Logica Modale e Conoscenza* on epistemic and modal logics, their theoretical foundations, and applications in Artificial Intelligence

02-06/2007 | **Department of Computing, Imperial College London, UK**
Research Associate
EU STREP Project CONTRACT (Contract-based e-Business Systems Engineering Methods for Robust, Verifiable Cross-organisational Networked Business Applications)

EDUCATION AND QUALIFICATIONS

- 07/02/2018 | **Qualification as *Professeur des Universités* (Full Professor)**
Conseil National des Universités, France
Section 27 (COMPUTER SCIENCE)

The *Qualification as Professeur des Universités* is required in France to apply to professorships in the relevant areas.
- 10/02/2017 | **Université d'Evry**, France
Habilitation à Diriger des Recherches (HDR) in COMPUTER SCIENCE
Très Honorable avec avis de reproduction en état
Dissertation title: "Multi-agent Modal Logics for Knowledge Representation"

The *Habilitation à Diriger des Recherches* is required in France to supervise PhD students, as well as to apply to professorships.
- 17/02/2012 | **Qualification as *Maître de Conférences* (Lecturer)**
Conseil National des Universités, France
Section 27 (COMPUTER SCIENCE)
Section 17 (PHILOSOPHY)
Section 72 (EPISTEMOLOGY)

The *Qualification as Maître de Conférences* is required in France to apply to lecturships in the relevant areas.
- 04/07/2006 | **Scuola Normale Superiore**, Italy
Diploma di Perfezionamento (PhD) in LOGIC
70/70 *cum laude*
Dissertation title: "Quantified Modal Logic and the Ontology of Physical Objects"
- 17/12/2002 | **Scuola Normale Superiore**, Italy
Diploma di Licenza in PHILOSOPHY
70/70 *cum laude*
Dissertation title: "Modal Logic applied to the Theory of Deductive Systems"
- 08/07/2002 | **University of Pisa**, Italy
Laurea Magistralis (MA) in PHILOSOPHY
110/110 *cum laude*
Dissertation title: "Semantical Aspects of Substructural Logics"

RESEARCH FELLOWSHIPS & GRANTS (2009-21)

- 2018-21 | **ANR PRC project AGAPE (An Auction Language for General Auction Players)**
Collaborative project with IRIT Toulouse, LAMSADE Paris, LIG Grenoble, LIPADE Paris
Research project over 3 years supported by the French National Agency for Research
- 2019-20 | **Imperial College London - European Partner Fund**
Reasoning about Strategic Behaviours in Multi-agent Systems
Collaboration project with Prof. C. Dima (Université Paris Est – Créteil)
- 2017-20 | **ANR Jeunes Chercheuses/Jeunes Chercheurs Fellowship**
SVeDaS Project: Specification and Verification of Data-aware Systems
Research project over 3 years supported by the French National Agency for Research
- 2019-20 | **Collaborative Projet Biatlon (*Bisimulations pour la logique temporelle alternante ATL avec applications en vote électRONique*)**
Research grant by *Réseau Francilien de Sciences Informatiques (RFSI)* for a collaborative project with R. DEMANGEON (Université Pierre et Marie Curie), C. DIMA and D. VARACCA (Université Paris Est - Créteil).
- 2018-19 | **Collaborative Projet MALEVéPS (*Modèles multi-Agents et Logiques Epistémiques pour la Vérification des Propriétés de Sécurité*)**
Research grant by *Réseau Francilien de Sciences Informatiques (RFSI)* for a collaborative project with C. DIMA (Université Paris Est - Créteil).
- 2017-18 | **Collaborative Project ALESSO (*ATL avec Ressources*)**
Research grant by the *Université Paris Saclay* to foster collaboration between *Laboratoire IBISC, UEVE and LSV, ENS Cachan*.
- 2016-17 | **Délegation au CNRS**
Institut de Recherche en Informatique de Toulouse (IRIT)
ISSMA Project: Interaction Stratégique dans les Systèmes Multi-Agents
Visit fellowship at IRIT supported by the *Centre National de la Recherche Scientifique (CNRS)*
- 2015-18 | **PEDR (*Prime d'Encadrement Doctoral et de Recherche*)**
French Ministry of Education and *Conseil National des Universités*
Grant for current achievements in research and teaching
- 2015-16 | **CRCT (*Congés de Recherche et Conversion Thématique*)**, Université d'Evry
Sabbatical leave including reduced teaching duties (96h instead of 192h).
- 2014-15 | **FRR grant (*Fonds pour le Rayonnement de la Recherche*)**, Université d'Evry
Collaborative projects with Prof W. VAN DER HOEK (Liverpool University), Dr D. GROSSI (Liverpool University), and Prof A. LOMUSCIO (Imperial College London).
- 2013-14 | **FRR grant**, Université d'Evry
Collaborative project with Prof A. LOMUSCIO (Imperial College London).
- 2012-13 | **FDIR grant (*Fonds de Développement pour l'Internationalisation de la Recherche*)**, Université d'Evry
Collaborative project on agent networks with Dr D. GROSSI (Liverpool University).
- 2009-11 | **IEF Marie Curie Fellowship**, Framework Programme 7, European Commission
FoMMAS Project: First-order Modal Logics for the Specification and Verification of Multi-Agent Systems

TEACHING EXPERIENCE (2012-19)

2019-20	Imperial College London (42h)	Autumn Term Lecture Spring Term Lecture	Introduction to Symbolic Artificial Intelligence (MSc) Modal Logic for Strategic Reasoning in AI (MSc)
2018-19	Imperial College London (14h)	Spring Term Lecture	Logics for Strategic Reasoning in AI (MSc)
2017-18	Université d'Evry (96h)	Reduced teaching duties thanks to the ANR projet SVeDaS Autumn Term Lecture Spring Term Lecture	Méthodes de Conception et Vérification (MSc) Programmation Orientée Système II (undergraduate) Logique de Base (undergraduate)
2016-17	Université d'Evry (96h)	Reduced teaching duties thanks to <i>délégation au CNRS</i> Autumn Term Lecture Spring Term Lecture	Méthodes de Conception et Vérification (MSc) Programmation Orientée Système II (undergraduate) Logique de Base (undergraduate)
2015-16	Université d'Evry (48h)	Reduced teaching duties thanks to Autumn Term: Lecture	CRCT (<i>Congés de Recherche et Conversion Thématique</i>). Méthodes de Conception et Vérification (MSc)
2014-15	Université d'Evry (192h)	Autumn Term: Lecture Tutorial Spring Term: Lecture	Preuves Formelles Mécanisées (MSc) Méthodes Formelles pour la Conception des Logiciels (MSc) Spécification Formelles (MSc) Bases de Données (undergraduate) Vérification (MSc) Programmation Orientée Système II (undergraduate) Logique de Base (undergraduate)
2013-14	Université d'Evry (192h)	Autumn Term: Lecture Tutorial Spring Term: Lecture Tutorial	Preuves Formelles Mécanisées (MSc) Méthodes Formelles pour la Conception des Logiciels (MSc) Spécification Formelles (MSc) Bases de Données (undergraduate) Algorithmique (undergraduate) Programmation Orientée Système I (undergraduate) Modélisation Object (undergraduate) Logique de Base (undergraduate)
2012-13	Université d'Evry (192h)	Autumn Term: Lecture Tutorial Spring Term: Lecture Tutorial	Preuves Formelles Mécanisées (MSc) Méthodes Formelles pour la Conception des Logiciels (MSc) Technologies Logicielles (MSc) Spécification Formelles (MSc) Bases de Données (undergraduate) Informatique Générale (undergraduate) Vérification (MSc) Technologies Logicielles (MSc) Programmation Orientée Système I (undergraduate) Programmation Impérative (undergraduate)

SUPERVISION OF RESEARCH STUDENTS (2011-19)

- 2019- | **Imperial College London**
Supervision of Mr B. Gonzalez-Leon's PhD on "Model Checking Agents that Learn".
Supervision of Mr A. Hussain's PhD on "A Dynamical Systems Study of Multi-Agent Reinforcement Learning".
- 2017-20 | **Université d'Evry**
Supervision of Mr V. Malvone's post-doc on a position related to the SVeDaS research project.
- 2015- | **Université d'Evry**
Supervision of Mr A. Slimani's PhD on "Automated Diagnosis of Faulty Behaviours in Temporal Epistemic Logic".
- 2018 | **Freie Universität Bozen – Bolzano**
Examiner of Mr A. Rivkin's PhD thesis on "Modeling, Enactment and Verification of Data-Aware Process", supervised by M. Montali (Freie Universität Bozen – Bolzano).
- 2017 | **Université d'Evry**
• Supervision of Ms R. Bouaicha's MSc project on "A Novel Semantics for Alternating-time Temporal Logic under Imperfect Information".
• Supervision of Mssrs G. Cordier and R. Moussa's TER project on "Modélisation des Interactions Stratégiques dans les Systèmes Multi-Agents".
- LORIA, Université de Lorraine**
Examiner of Ms Z. Bakhtiari's PhD thesis on "the Dynamics of Incomplete and Inconsistent Information", jointly supervised by H. van Ditmarsch (LORIA – CNRS) and H. Hansen (Delft University of Technology).
- ENS Cachan**
Panel member of P. Gardy's PhD thesis on "Semantics of Strategy Logic", jointly supervised by P. Bouyer (ENS Cachan) and N. Markey (IRISA – CNRS).
- 2014-15 | **Université d'Evry**
• Supervision of Mssrs J.F. Mendoza and C. Zaccomer's 1st-year MSc project on "La Vérification Formelle des Protocoles de Vote".
• Supervision of Mr T. Bourgoin 3rd year project on "Alternating-time Temporal Logic with Imperfect Information".
- 2013-14 | **Université d'Evry**
• Joint supervision of Ms C. Uzoegwu's MSc project on "Model Checking Epidemics", in collaboration with Dr. D. Grossi (Univ. Liverpool).
• Supervision of Mssrs Y. Ztait and A. Daoudi's 1st-year MSc project on "La Vérification des Systèmes Multi-Agents".
- 2012-13 | **Université d'Evry**
• Joint supervision of Mr Z. Nie's MSc project on "Model Checking Epidemics", in collaboration with Dr. D. Grossi (Univ. Liverpool).
- 2011-12 | **Imperial College London**
• Project leader for the 3rd-year student project "Explicit-State Model Checking for Multi-Agent Systems".

ADMINISTRATIVE DUTIES

2018-20	Department of Computing, Imperial College London <ul style="list-style-type: none">• Undergraduate admissions.• Organisation of the seminar series on “Formal Methods for AI”.
2017-18	Laboratoire IBISC, Université d’Evry <ul style="list-style-type: none">• Member of the International Commission at UEVE. The IC directs the UEVE’s international strategy. It is also responsible for the selection of students leaving on international mobility.• Head of the 3rd year Undergraduate Programme in Computer Science.• In charge of the organisation of the Laboratory seminars.
2014-17	Laboratoire IBISC, Université d’Evry <ul style="list-style-type: none">• Head of the 3rd year Undergraduate Programme in Computer Science.• Member of the Laboratory Committee.• In charge of the organisation of the Laboratory seminars.
2013-14	Laboratoire IBISC, Université d’Evry <ul style="list-style-type: none">• Head of International Relations.• In charge of the organisation of the Laboratory seminars.
07/11-08/12	Imperial College London <i>EU STREP Projet ACSI</i> Project management, including: task allocation, updating the project programme, editing deliverables, organising meetings with the international partners of the project and the reviewers from the EU.
07/09-07/11	Imperial College London <i>IEF Marie Curie Fellowship, FoMMAS research project</i> Project management, including: negotiation with the European Commission, budget management in collaboration with the financial services at Imperial College London, annual editing of progress reports.
07/07-07/09	Scuola Normale Superiore <i>Project Logica Modale e Conoscenza</i> Project management, including: task allocation, updating the project programme, reporting of achieved results.
02-05/2007	Imperial College London <i>EU STREP Project CONTRACT</i> Project management, including: task allocation, editing deliverables.

EDITORIAL AND PC ACTIVITIES

Journal Reviewing

- ACM Transactions on Database Systems (TODS)
- ACM Transactions on Computational Logic (TOCL)
- Artificial Intelligence
- Annals of Pure and Applied Logic (APAL)
- Computing: Archives for Scientific Computing
- Fundamenta Informaticae (FI)
- Information & Computation (I&C)
- Journal of Applied Logic (JAL)
- Journal of Artificial Intelligence Research (JAIR)
- Journal of Autonomous Agents and Multi-agent Systems (JAAMAS)
- Journal of Logic and Computation (JLC)
- Journal of Symbolic Logic (JSL)
- Mathematical Structures in Computer Science (MSCS)
- Studia Logica
- Synthese
- Theoretical Computer Science (TCS)

Senior Programme Committees

- International Joint Conference on Artificial Intelligence (IJCAI): since 2016
- International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS): since 2017

Programme Committees

- Brazilian Symposium on Artificial Intelligence (SBIA)
- Conference on Theoretical Aspects of Rationality and Knowledge (TARK)
- European Conference on Artificial Intelligence (ECAI)
- European Conference on Multi-agent Systems (EUMAS)
- International Conference on Agreement Technologies (AT)
- International Conference on Artificial Intelligence (AAAI)
- International Conference on Concurrency Theory (CONCUR)
- International Conference on Deontic Logic in Computer Science (DEON)
- International Conference on Foundations of Software Science and Computation Structures (FoS-SaCS)
- International Conference on Logic Programming (ICLP)
- International Conference on Principles and Practice of Multi-Agent Systems (PRIMA)
- International Conference on Principles of Knowledge Representation and Reasoning (KR)

- International Conference on Web Intelligence and Intelligent Agent Technology (IAT)
- International Workshop on Computational Logic in Multi-Agent Systems (CLIMA)
- International Workshop on Data- & Artifact-centric BPM (BPM-WS)
- International Workshop on Description Logics (DL)
- International Workshop on Strategic Reasoning (SR)
- Logic and the Foundations of Game and Decision Theory (LOFT)
- Logic in Security (LIS)
- Software Engineering and Formal Methods (SEFM)
- Workshop on Concurrency, Specification & Programming (CS&P)
- Workshop on Data and Artifact-centric Systems (DAB)
- Workshop on Logical Aspects of Multi-Agent Systems (LAMAS)

Evaluation of Research Projects

- Agence National de la Recherche (ANR), France
- Istituto Nazionale di Alta Matematica (INdAM), Italy

Conference Organisation

- 15th European Conference on Multi-agent Systems (EUMAS2017) and 5th International Conference on Agreement Technologies (AT2017), Evry, France, 14-15/12/2017, eumas2017.ibisc.univ-evry.fr/

INVITED TALKS (2010-17)

- 29/05/2019 | **Department of Computer Science, University of Surrey**
Tractable Verification of Multi-agent Systems
- 09/05/2017 | **Computational Epistemic Logic in Lorraine (CELLO) Workshop**, LORIA Nancy
A Logic for Global and Local Announcements
- 13/07/2017 | **Workshop on Logical Representation of Actions, Individual and Collective Attitudes**, IRIT Toulouse
A Logic for Global and Local Announcements
- 23/02/2017 | **First Workshop on Formal Methods in AI (FMAI)**, Università degli Studi di Napoli
(Bi)simulations for Multi-agent Systems
- 19/09/2016 | **Institut de Recherche en Informatique Fondamentale**, Université Paris Diderot
Abstraction-based Verification of Infinite-state Data-aware Systems
- 29/06/2015 | **Journées de l'Intelligence Artificielle Fondamentale**, Rennes
A Logic of Knowledge and Strategies with Imperfect Information
- 17/06/2015 | **AMANDE 4th Project Meeting**, Université Paris Dauphine
Formal Analysis of Dialogues on Infinite Argumentation Frameworks
- 13/03/2014 | **Department of Computing, Imperial College London**
Verifying Auctions as Artifact Systems: Decidability via Finite Abstraction
- 21/02/2014 | **Institut de Recherche en Informatique de Toulouse**
Verifying Auctions as Artifact Systems: Decidability via Finite Abstraction
- 17/10/2013 | **Institut de Recherche en Informatique et Systèmes Aléatoires**, Rennes
Verifying Auctions as Artifact Systems: Decidability via Finite Abstraction
- 20/09/2013 | **Highlights of Logic, Games and Automata**, Paris
Model Checking Temporal-epistemic Logic using Alternating Tree Automata
- 17/06/2013 | **Laboratoire d'Algorithmique, Complexité et Logique, UPEC**, Créteil
Verification of Artifact-Centric Multi-Agent Systems via Finite Abstraction
- 13/06/2013 | **Journées de l'Intelligence Artificielle Fondamentale**, Aix-en-Provence
An Abstraction Technique for the Verification of Artifact-Centric Systems
- 25/02/2013 | **Laboratoire LIP6, Université Paris 6**
Verification of Agent-based Artifact Systems: Abstraction Techniques and Decidability Results
- 14/02/2012 | **Department of Computing, University of Liverpool**
An Abstraction Technique for the Verification of Artifact-Centric Multi-Agent Systems
- 24/11/2011 | **Dipartimento di Ingegneria Informatica, Automatica e Gestionale, Sapienza Università di Roma**
First-order Modal Languages for the Specification of Multi-agent Systems
- 26/01/2010 | **Dutch-British Workshop "Algebra & Co-algebra meet Proof Theory"**, Imperial College London
An Algebraic Proof of Cut Elimination

INVITED SYMPOSIA

- 09/05/2017 | **Computational Epistemic Logic in Lorraine (CELLO) Workshop**, LORIA Nancy
Organised by H. VAN DITMARSCH (CNRS - LORIA)
- 12-13/07/2017 | **Workshop on Logical Representation of Actions, Individual and Collective Attitudes**, IRIT Toulouse
Organised by E. LORINI (CNRS - IRIT)
- 22-24/02/2017 | **FMAI – 1st Workshop on Formal Methods in AI**, Naples
Organised by D. DELLA MONICA, B. MAUBERT, A. MURANO, S. PINCHINAT, S. RUBIN
- 23-25/09/2015 | **LAMAS SING (Logical Aspects of Multi-agent Systems, Seminar on Interaction, Gdansk)**
Organised by W. JAMROGA (Polish Academy of Sciences)
- 17-21/08/2015 | **Synthesis of Epistemic Protocols, Lorentz Center, Leiden**
Organised by T. BOLANDER (DTU), H. VAN DITMARSCH (LORIA), J. VAN EIJCK (CWI-ILLC), R. RAMANUJAM (IMSc, Chennai)

INVITED ACADEMIC VISITS

- 08-09/02/2018 | **Department of Computing, University of Liverpool**
- 01-05/06/2015 | **Institut de Recherche en Informatique de Toulouse**
Thematic Trimester in Game Theory
- 08-12/06/2015 | **Department of Computing, University of Liverpool**

LANGUAGES

- ITALIAN: Mother tongue
ENGLISH: Fluent
FRENCH: Fluent
GERMAN: Basic Proficiency

Publications

REFEREED FULL PAPERS

1. F. Belardinelli, A. Lomuscio, A. Murano, S. Rubin; *Verification of Multi-Agent Systems with Public Actions against Strategy Logic*. Artificial Intelligence, accepted for publication.
2. F. Belardinelli, R. Condurache, C. Dima, W. Jamroga, M. Knapik; *Bisimulations for Verifying Strategic Abilities with an Application to ThreeBallot*. Information & Computation, accepted for publication.
3. F. Belardinelli, W. van der Hoek, and L. B. Kuijser; *Second-order Propositional Modal Logic: Expressiveness and Completeness Results*. Artificial Intelligence, 263: 3–45, 2018
4. F. Belardinelli, A. Lomuscio, and F. Patrizi; *Verification of Agent-based Artifact Systems*. Journal of Artificial Intelligence Research. 51, pp. 333-77, 2014.
5. F. Belardinelli, A. Lomuscio; *Interactions between Knowledge and Time in a First-Order Logic for Multi-Agent Systems: Completeness Results*. Journal of Artificial Intelligence Research. 45, pp. 1-45, 2012.
6. F. Belardinelli, A. Lomuscio; *First-Order Linear-time Epistemic Logic with Group Knowledge: An Axiomatisation of the Monodic Fragment*. Fundamenta Informaticae. 106 (2-4), pp. 175-190, 2011.
7. F. Belardinelli, A.V. Jones, A. Lomuscio; *Model Checking Temporal-epistemic Logic using Alternating Tree Automata*. Fundamenta Informaticae. 112(1), pp. 19-37, 2011.
8. F. Belardinelli, A. Lomuscio; *Quantified Epistemic Logic for reasoning about Knowledge in Multi-Agent Systems*. Artificial Intelligence. Vol 173(9-10), pp. 982-1013. Elsevier, 2009.
9. F. Belardinelli, P. Jipsen, H. Ono; *Algebraic Aspects of Cut Elimination*. Studia Logica, 77, 2, pp. 209-240, 2004.

REFEREED CONFERENCE PAPERS

1. F. Belardinelli, S. Demri; *Reasoning with a Bounded Number of Resources in ATL^+* . ECAI 2020.
2. F. Belardinelli, V. Malvone; *Verifying Strategic Abilities in Multi-agent Systems via First-order Entailment*. ECAI 2020.
3. F. Belardinelli, B. Gonzalez Leon; *Extended Markov Games to Learn Multiple Tasks in Multi-Agent Reinforcement Learning*. ECAI 2020.
4. F. Belardinelli, A. Lomuscio, E. Yu; *Model Checking Temporal Epistemic Logic under Bounded Recall*. AAAI 2020.
5. F. Belardinelli, V. Malvone; *Decidable Verification of Agent-Based Data-Aware Systems*. PRIMA 2019: 52-68.
6. F. Belardinelli, A. Lomuscio, A. Murano, S. Rubin; *Imperfect Information in Alternating-Time Temporal Logic on Finite Traces*. PRIMA 2019: 469-477.
7. F. Belardinelli, W. Jamroga, D. Kurpiewski, V. Malvone, A. Murano; *Strategy Logic with Simple Goals: Tractable Reasoning about Strategies*. IJCAI 2019: 88-94.
8. F. Belardinelli, U. Grandi; *Social Choice Methods for Database Aggregation*. TARK 2019: 50-67.
9. F. Belardinelli, S. Demri; *Resource-bounded ATL: the Quest for Tractable Fragments*. AAMAS 2019: 206-214.
10. F. Belardinelli, U. Grandi; *A Social Choice Theoretic Perspective on Database Aggregation (extended abstract)*. AAMAS 2019: 1817-1819.

11. F. Belardinelli, I. Boureau, C. Dima, V. Malvone; *Verifying Strategic Abilities in Multi-agent Systems with Private Data-Sharing (extended abstract)*. AAMAS 2019: 1820-1822.
12. F. Belardinelli, A. Lomuscio, V. Malvone; *An Abstraction-based Method for Verifying Strategic Properties in Multi-agent Systems with Imperfect Information*. AAAI2019: 6030-6037.
13. F. Belardinelli, A. Lomuscio, V. Malvone; *Approximating Perfect Recall when Model Checking Strategic Abilities*. Proc. of the 16th International Conference on Principles of Knowledge Representation and Reasoning (KR2018), Tempe.
14. F. Belardinelli, C. Dima, A. Murano; *Bisimulations for Logics of Strategies: A Study in Expressiveness and Verification*. Proc. of the 16th International Conference on Principles of Knowledge Representation and Reasoning (KR2018), Tempe, 425-434
15. F. Belardinelli, A. Lomuscio, A. Murano, S. Rubin; *Alternating-time Temporal Logic on Finite Traces*. Proc. of the 27th International Conference on Artificial Intelligence (IJCAI18), Stockholm, 2018.
16. F. Belardinelli, A. Lomuscio, A. Murano, S. Rubin; *Decidable Verification of Multi-agent Systems with Bounded Private Actions (extended abstract)*. Proc. of the 17th International Conference on Autonomous Agents and Multiagent Systems (AAMAS18), Stockholm, 2018.
17. F. Belardinelli, U. Grandi, A. Herzig, D. Longin, E. Lorini, A. Novaro, L. Perrussel; *Relaxing Exclusive Control in Boolean Games*. Proc. of the 16th Conference on Theoretical Aspects of Rationality and Knowledge (TARK17), Liverpool, 2017.
18. F. Belardinelli, H. van Ditmarsch, W. van der Hoek; *A Logic for Global and Local Announcements*. Proc. of the 16th Conference on Theoretical Aspects of Rationality and Knowledge (TARK17), Liverpool, 2017.
19. F. Belardinelli, A. Herzig; *Dynamic Logic for the Verification of Data-aware Systems: Decidability Results*. Proc. of the 26th International Conference on Artificial Intelligence (IJCAI17), Melbourne, 2017.
20. F. Belardinelli, P. Kouvaros, A. Lomuscio; *Parameterised Verification of Data-aware Multi-agent Systems*. Proc. of the 26th International Conference on Artificial Intelligence (IJCAI17), Melbourne, 2017.
21. F. Belardinelli, A. Lomuscio, A. Murano, S. Rubin; *Verification of Broadcasting Multi-Agent Systems against an Epistemic Strategy Logi*. Proc. of the 26th International Conference on Artificial Intelligence (IJCAI17), Melbourne, 2017.
22. F. Belardinelli, R. Condurache, C. Dima, W. Jamroga, A. V. Jones; *Bisimulations for Verifying Strategic Abilities with an Application to ThreeBallot*. Proc. of the 16th International Conference on Autonomous Agents and Multiagent Systems (AAMAS17), Sao Paulo, 2017.
23. F. Belardinelli, A. Lomuscio, A. Murano, S. Rubin; *Verification of Multi-agent Systems with Imperfect Information and Public Actions*. Proc. of the 16th International Conference on Autonomous Agents and Multiagent Systems (AAMAS17), Sao Paulo, 2017.
24. F. Belardinelli, A. Lomuscio; *Agent-based Abstractions for Verifying Alternating-time Temporal Logic with Imperfect Information*. Proc. of the 16th International Conference on Autonomous Agents and Multiagent Systems (AAMAS17), Sao Paulo, 2017.
25. F. Belardinelli, A. Lomuscio; *A Three-value Abstraction Technique for the Verification of Epistemic Properties in Multi-agent Systems*. Proc. of the 15th European Conference on Logics in Artificial Intelligence (JELIA16), Larnaka, 2016.
26. F. Belardinelli, A. Lomuscio; *Abstraction-based Verification of Infinite-state Reactive Modules*. Proc. of the 22th European Conference on Artificial Intelligence (ECAI16), The Hague, 2016.
27. F. Belardinelli, A. Lomuscio, J. Michaliszyn; *Agent-based refinement for predicate abstraction of multi-agent systems*. Proc. of the 22th European Conference on Artificial Intelligence (ECAI16), The Hague, 2016.

28. F. Belardinelli, A. Herzig; *On Logics of Strategic Ability based on Propositional Control*. Proc. of the 25th International Conference on Artificial Intelligence (IJCAI16), New York, 2016.
29. F. Belardinelli, H. van Ditmarsch, W. van der Hoek; *Second-order Propositional Announcement Logic*. Proc. of the 15th International Conference on Autonomous Agents and Multiagent Systems (AAMAS16), Singapore, 2016.
30. F. Belardinelli, W. van der Hoek; *A Semantical Analysis of Second-order Propositional Modal Logic*. Proc. of the 30th AAAI Conference on Artificial Intelligence (AAAI16), Phoenix, AZ, 2016.
31. F. Belardinelli, W. van der Hoek; *Epistemic Quantified Boolean Logic: Expressiveness and Completeness Results*. Proc. of the 24th International Conference on Artificial Intelligence (IJCAI15), Buenos Aires, 2015.
32. F. Belardinelli, D. Grossi, N. Maudet; *Formal Analysis of Dialogues on Infinite Argumentation Frameworks*. Proc. of the 24th International Conference on Artificial Intelligence (IJCAI15), Buenos Aires, 2015.
33. F. Belardinelli, D. Grossi, A. Lomuscio; *Finite Abstractions for the Verification of Epistemic Properties in Open Multi-Agent Systems*. Proc. of the 24th International Conference on Artificial Intelligence (IJCAI15), Buenos Aires, 2015.
34. F. Belardinelli; *A Logic of Knowledge and Strategies with Imperfect Information*. Proc. of the 8th Workshop on Logical Aspects of Multi-Agent Systems (LAMAS 2015), Istanbul, 2015.
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