

# Fabio Mogavero, Ph.D.

Assistant Professor

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*“Thought is only a flash between two long nights,  
but this flash is everything.” - Henri Poincare*

## Personal Information

**Surname & Name** Mogavero Fabio  
**Birth date** May 31st, 1983  
**Nationality** Italian  
**Email** [fabio.mogavero@unina.it](mailto:fabio.mogavero@unina.it)

## Current Position and Qualification

**Date (since)** December 29th, 2017  
**Qualification** Assistant Professor  
**Field** Theoretical Computer Science  
**Department** Department of Electrical Engineering and Information Technologies  
**Institute** Università degli Studi di Napoli Federico II  
**Address** Via Claudio, 21, I-80125, Napoli, Italy

**Dates (from - to)** December 5th, 2017 - December 5th, 2023  
**Qualification** National Scientific Habilitation to Associate Professorship  
**Field** Computer Science Engineering

## Research Interests

**Topics** Formal specification, verification, and synthesis of systems; Database theory; Decidability and undecidability of logic languages; Temporal and strategic logics; Games in theoretical computer science; Automata on finite and infinite objects.

## Former Positions

**Dates (from - to)** September 5th, 2017 - January 31st, 2019  
**Qualification** Adjunct Professor  
**Field** Mathematical Logic  
**Department** Department of Computer Science  
**Institute** Università degli Studi di Verona

**Dates (from - to)** July 1st, 2017 - December 28th, 2017  
**Qualification** Postdoctoral Researcher  
**Field** Theoretical Computer Science  
**Research program** Formal Methods for Cyber-Physical Attack Identification in Internet of Things  
**Department** Department of Computer Science  
**Institute** Università degli Studi di Verona  
**Advisor** Prof. Dr. Massimo Merro

**Dates (from - to)** July 1st, 2015 - June 30th, 2017  
**Qualification** Research Assistant  
**Field** Theoretical Computer Science  
**Research program** Generating Plans From Proofs  
 Project “Proof-Driven Querying”  
**Department** Department of Computer Science  
**Institute** University of Oxford  
**Advisor** Prof. Dr. Michael Benedikt

**Dates (from - to)** November 11th, 2014 - January 15th, 2016  
**Qualification** Free Postdoctoral Researcher  
**Field** Theoretical Computer Science  
**Department** Department of Mathematics and Applications  
**Institute** Università degli Studi di Napoli Federico II

**Dates (from - to)** November 1st, 2012 - October 31st, 2014  
**Qualification** Postdoctoral Researcher  
**Field** Theoretical Computer Science  
**Research program** Techniques for Software Verification and Validation  
 Project “Embedded Systems”  
**Department** Department of Physics  
**Institute** Università degli Studi di Napoli Federico II  
**Advisor** Prof. Dr. Aniello Murano

**Dates (from - to)** November 1st, 2011 - October 31st, 2012  
**Qualification** Postdoctoral Researcher  
**Field** Theoretical Computer Science  
**Research program** Logics of Strategy  
**Department** Department of Physics  
**Institute** Università degli Studi di Napoli Federico II  
**Advisor** Prof. Dr. Aniello Murano

**Dates (from - to)** July 15th - October 31st, 2011  
**Qualification** Scholar  
**Field** Education in Science and Technologies  
**Research program** Scientific Communication and Permanent Learning of Science  
 Project “Lifelong Learning Programme”  
**Department** Department of Physics  
**Institute** Università degli Studi di Napoli Federico II  
**Advisor** Prof. Dr. Aniello Murano

**Dates (from - to)** February 16th - March 12th, 2010  
**Qualification** Visiting Scholar  
**Field** Theoretical Computer Science  
**Department** School of Computer Science and Engineering  
**Institute** Hebrew University, Jerusalem, Israel  
**Advisors** Prof. Dr. Orna Kupferman, Prof. Dr. Moshe Y. Vardi

**Dates (from - to)** August 18th - December 18th, 2008  
**Qualification** Visiting Scholar

**Field** Theoretical Computer Science  
**Department** Department of Computer Science  
**Institute** Rice University, Houston, Texas, USA  
**Advisor** Prof. Dr. Moshe Y. Vardi

**Dates (from - to)** November 1st, 2007 - February 28th, 2008

**Qualification** Researcher Collaborator

**Field** Theoretical Computer Science

**Research program** Policy Specification, Enforcement, and Integration  
Network of Excellence “REWERSE” (Reasoning on the Web)

**Department** Department of Physics

**Institute** Università degli Studi di Napoli Federico II

**Advisor** Prof. Dr. Piero A. Bonatti

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## Education Degrees

### Academic degrees

**Dates (from - to)** November, 2007 - October, 2010

**Degree** Doctorate (Ph.D.)

**Field** Computational and Informatics Sciences (Computer Science)

**Institute** Università degli Studi di Napoli Federico II, Naples, Italy

**Accomplishment** January 21st, 2011

**Final mark** Summa cum laude

**Thesis** Logics in Computer Science

**Supervisor** Prof. Dr. Aniello Murano

**Dates (from - to)** September, 2005 - October, 2007

**Degree** Master Degree

**Field** Computer Science Engineering

**Institute** Università degli Studi di Napoli Federico II, Naples, Italy

**Accomplishment** October 29th, 2007

**Final mark** Magna cum laude (110/110 with great honor)

**Thesis** Branching-Time Temporal Logics (Theoretical Issues and a Computer Science Application)

**Supervisor** Prof. Dr. Aniello Murano

**Advisors** Prof. Dr. Adriano Peron and Prof. Dr. Carlo Sansone

**Dates (from - to)** September, 2002 - September, 2005

**Degree** Bachelor Degree

**Field** Computer Science Engineering

**Institute** Università degli Studi di Napoli Federico II, Naples, Italy

**Accomplishment** September 29th, 2005

**Final mark** Cum laude (110/110 with honor)

**Thesis** Sui Metodi e gli Algoritmi di Fattorizzazione

**Supervisor** Prof. Dr. Vincenzo Ferone

### High school diploma

**Dates (from - to)** September, 1997 - July, 2002

**Degree** Scientific Diploma

**Institute** Liceo Scientifico “Giovanni da Procida”

**Accomplishment** July 2nd, 2002

Final mark 100/100

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## Educational Experiences

**Typology** Winter School  
**Course** GAMES 2013  
**Dates (from - to)** February 4-8, 2013  
**Location** Champéry, Switzerland

**Typology** Summer School  
**Course** GAMES 2009  
**Dates (from - to)** May 31 - June 6, 2009  
**Location** Bertinoro, Italy

**Typology** Summer School  
**Course** ESSLLI 2008  
**Dates (from - to)** August 3-18, 2009  
**Location** Hamburg, Germany

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## Technology Skills

**Skill** Imperative Programming Languages: Assembler (x86 & 68k), C/C++, Java, Visual Basic

**Skill** Functional/Logical Programming Languages: Haskell, OCaml, Prolog

**Skill** Markup Languages:  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X} 2_{\epsilon}$  &  $\text{T}_{\text{E}}\text{X}$ , HTML & XHTML, MathML, XML

**Skill** Mathematical Software: MATLAB, Derive

**Skill** Computer-Aided Design Software: AutoCAD, Eagle

**Skill** Operative Systems: Unix & Linux, Windows

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## Languages

**Mother tongue** Italian  
**Foreign language** English (fluent)

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## Awards

- [1] **Award** Best Italian PhD Theses in Theoretical Computer Science, 2011-2012  
Award entitled to the memory of Prof. Nadia Busi  
**Institute** Italian Chapter of the EATCS  
**Date** September 20th, 2012

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## Fellowships

- [1] **Fellowship** Short Visit Grant n.3339 as Visiting Scholar  
**Institute** ESF GAMES Project  
**Dates (from - to)** February 16th - March 12th, 2010

- [2]      **Fellowship**    Visiting Scholar  
           **Institute**    Rice University, Houston, Texas, USA  
**Dates (from - to)**    August 18th - December 18th, 2008
- [3]      **Fellowship**    Ph.D. Student  
           **Institute**    Università degli Studi di Napoli Federico II, Napoli, Italy  
**Dates (from - to)**    November 1st, 2007 - October 31st, 2010

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## Fundings

- [1]      **Funding**    GNCS Young Researchers 2014 (€1.5K)  
           **Role**        Principal investigator  
           **Topic**      From Strategy Logic to First-Order Logic and Back Again  
           **Institute**    GNCS - INdAM  
**Dates (from - to)**    January 16th, 2015 - January 15th, 2016

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## Research Projects

- [1]      **Project**    Formal Methods for the Verification and Synthesis of Discrete and Hybrid Systems  
           **Typology**    Italian national project (GNCS)  
           **Dates**      2018
- [2]      **Project**    Proof-Driven Querying  
           **Typology**    U.K. national project (EPSRC)  
**Dates (from - to)**    July 2015 - June 2017
- [3]      **Project**    Automata, Games, and Temporal Logics for the Verification and Synthesis of Controller for Safety-Critical Systems  
           **Typology**    Italian national project (GNCS)  
           **Dates**      2014
- [4]      **Project**    Extended Game Logics  
           **Typology**    Italian national project (GNCS)  
           **Dates**      2013
- [5]      **Project**    Hierarchical Games and their Applications in Reasoning about Reactive Systems  
           **Typology**    International project (Vigevani Research Project Prize)  
**Dates (from - to)**    2010 - 2011
- [6]      **Project**    Logics, Automata, and Games for the Formal Verification of Complex Systems  
           **Typology**    Italian national project (GNCS)  
           **Dates**      2010
- [7]      **Project**    Network of Excellence “REWERSE” (Reasoning on the Web)  
           **Typology**    International project  
**Dates (from - to)**    November 2007 - February 2008

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## Event Organizations

- [1]      **Role**    Co-chair

- [2] **Event** 3rd International Workshop on Strategic Reasoning (SR 2015), Oxford, United Kingdom, September 21-22, 2015
- [2] **Role** Co-chair
- Event** 2nd International Workshop on Strategic Reasoning (SR 2014), Grenoble, France, April 5-6, 2014
- [3] **Role** Co-chair
- Event** 1st International Workshop on Strategic Reasoning (SR 2013), Rome, Italy, March 16-17, 2013
- [4] **Role** Organizing member
- Event** 5th Workshop of the ESF Networking Programme on Games for Design and Verification (GAMES 2012), Naples, Italy, September 7-12, 2012
- [5] **Role** Organizing member
- Event** 1st International Symposium on Games, Automata, Logics and Formal Verification (GANDALF 2010), Minori, Italy, June 17-18, 2010

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## Community Services

- [1] **Activities** Program Committee Member: AAMAS, ASPAI, and IJCAI  
Journal Reviewer: Logical Methods in Computer Science (LMCS)  
Conference Reviewer: AAI, LICS  
**Year** 2019
- [2] **Activities** Journal Reviewer: Journal of Symbolic Logic (JSL) and Theory of Computing Systems (TOCS)  
Conference Reviewer: RuleML+RR, STACS, and TACAS  
**Year** 2018
- [3] **Activities** Program Committee Member: CILC  
Journal Reviewer: Acta Informatica (ActInf), Information Processing Letters (IPL), and ACM Transactions on Computational Logic (ToCL)  
Conference Reviewer: CILC, CSL, ICALP, and TACAS  
**Year** 2017
- [4] **Activities** Program Committee Member: AAMAS  
Journal Reviewer: Information and Computation (I&C)  
Conference Reviewer: AAMAS, FOSSACS, GANDALF, and LICS  
**Year** 2016
- [5] **Activities** Program Committee Member: SR  
Journal Reviewer: Journal of Logic and Computation (JLC)  
Conference Reviewer: AAI, FSTTCS, SAC, and SR  
**Year** 2015
- [6] **Activities** Journal Reviewer: ACM Transactions on Computational Logic (ToCL)  
Conference Reviewer: AAMAS, CSL-LICS, and ECAI  
**Year** 2014
- [7] **Activities** Program Committee Member: SR  
Journal Reviewer: Logical Methods in Computer Science (LMCS)  
Conference Reviewer: FSTTCS, LICS, SR, and TACAS  
**Year** 2013



- Institute** Università degli Studi di Napoli Federico II
- [9] **Typology** Teaching Assistant  
**Course** Computability and Complexity  
**Dates (from - to)** March - July, 2011  
**Institute** Università degli Studi di Napoli Federico II
- [10] **Typology** Teaching Assistant  
**Course** Computability and Complexity  
**Dates (from - to)** March - July, 2010  
**Institute** Università degli Studi di Napoli Federico II

## Advised Students

### Doctoral degree

- [1] **Student** Daniele Dell'Erba  
**Date (since)** November 2016  
**Institute** Università degli Studi di Napoli Federico II, Napoli, Italy  
**Note** co-advised with Prof. Dr. Massimo Benerecetti

### Master's degree

- [1] **Student** Luigi Libero Lucio Starace  
**Dates (from - to)** July - December, 2018  
**Institute** Università degli Studi di Napoli Federico II, Napoli, Italy  
**Final mark** Cum laude (110/110 with honor)  
**Thesis** Model-Based Testing and Model Checking for Safety-Critical Hierarchical Systems  
**Note** co-advised with Prof. Dr. Massimo Benerecetti and Prof. Dr. Adriano Peron
- [2] **Student** Orlando Aprea  
**Dates (from - to)** January - December, 2018  
**Institute** Università degli Studi di Napoli Federico II, Napoli, Italy  
**Final mark** Cum laude (110/110 with honor)  
**Thesis** Algoritmi Simbolici per la Generazione e Risoluzione di Giochi di Parità  
**Note** co-advised with Prof. Dr. Massimo Benerecetti and Prof. Dr. Marco Faella
- [3] **Student** Daniele Dell'Erba  
**Dates (from - to)** April 2014 - July 2015  
**Institute** Università degli Studi di Napoli Federico II, Napoli, Italy  
**Final mark** Cum laude (110/110 with honor)  
**Thesis** Solving Parity Games using Priority Promotion Techniques  
**Note** co-advised with Prof. Dr. Massimo Benerecetti
- [4] **Student** Vadim Malvone  
**Dates (from - to)** April 2013 - July 2014  
**Institute** Università degli Studi di Napoli Federico II, Napoli, Italy  
**Final mark** Cum laude (110/110 with honor)  
**Thesis** Graded Modalities in Strategic Reasoning  
**Note** co-advised with Prof. Dr. Aniello Murano



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## References

- [1]       **Reference** Prof. Dr. Moshe Y. Vardi  
          **Institute** Rice University  
          **Email** vardi@cs.rice.edu  
**Homepage** <http://www.cs.rice.edu/~vardi/>
- [2]       **Reference** Prof. Dr. Massimo Benerecetti  
          **Institute** Università degli Studi di Napoli Federico II  
          **Email** bene@na.infn.it  
**Homepage** <http://people.na.infn.it/~bene/>
- [3]       **Reference** Prof. Dr. Michael Benedikt  
          **Institute** University of Oxford  
          **Email** michael.benedikt@cs.ox.ac.uk  
**Homepage** <http://www.cs.ox.ac.uk/michael.benedikt/>

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## Scientific Communications

### Invited talks

- [1]       **Title** Solving Parity Games via Priority Promotion  
          **Date** February 1st, 2017  
**Location** Institute of Science and Technology Austria (IST Austria)
- [2]       **Title** Logics in Computer Science  
          **Date** September 20th, 2012  
**Event** 13th Italian Conference on Theoretical Computer Science (ICTCS 2012), Varese, Italy, September 19-21, 2012

### Seminar talks

- [1]       **Title** Herbrand Property, Finite Quasi-Herbrand Models, and a Chandra-Merlin Theorem for Quantified Conjunctive Queries  
          **Date** October 5th, 2017  
**Location** Università degli Studi di Verona, Department of Computer Science, Verona, Italy
- [2]       **Title** Solving Parity Games via Priority Promotion  
          **Date** May 25th, 2016  
**Location** University of Oxford, Department of Computer Science, Oxford, UK
- [3]       **Title** Strategy Logic  
          **Date** November 23rd, 2012  
**Location** Università degli Studi di Roma “La Sapienza”, Department of Computer, Control, and Management Engineering, Rome, Italy
- [4]       **Title** On the Satisfiability of Alternating-Time Temporal Logics  
          **Dates** October 3rd, 10th, 17th - December 9th, 2008  
**Location** Rice University, Department of Computer Science, Houston, Texas, USA

### Conference talks

- [1]       **Title** Satisfiability in Strategy Logic can be Easier than Model Checking

- Date** December 19th, 2018  
**Event** Dynamics of MultiAgent Systems (DynaMAS 2018), Leiden, Netherlands, December 17-21, 2018
- [2] **Title** Herbrand Property, Finite Quasi-Herbrand Models, and a Chandra-Merlin Theorem for Quantified Conjunctive Queries  
**Date** September 15th, 2017  
**Event** 5th Highlights of Logic, Games, and Automata (Highlights 2017), London, England, UK, September 12-15, 2017
- [3] **Title** Solving Parity Games via Priority Promotion  
**Date** July 23rd, 2016  
**Event** 28th International Conference on Computer Aided Verification (CAV 2016), Toronto, Canada, July 17-23, 2016
- [4] **Title** Binding Forms in First-Order Logic  
**Date** September 10th, 2015  
**Event** 24th EACSL Annual Conference on Computer Science Logic (CSL 2015), Berlin, Germany, September 7-10, 2015
- [5] **Title** On the Remarkable Features of Binding Forms  
**Date** September 5th, 2014  
**Event** 2nd Highlights of Logic, Games, and Automata (Highlights 2014), Paris, France, September 2-5, 2014
- [6] **Title** Beyond One-Goal Strategy Logic  
**Date** September 5th, 2014  
**Event** 2nd Highlights of Logic, Games, and Automata (Highlights 2014), Paris, France, September 2-5, 2014
- [7] **Title** Substructure Temporal Logic  
**Date** June 27th, 2013  
**Event** 28th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS 2013), New Orleans, Louisiana, USA, June 25-28, 2013
- [8] **Title** On the Boundary of Behavioral Strategies  
**Date** June 26th, 2013  
**Event** 28th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS 2013), New Orleans, Louisiana, USA, June 25-28, 2013
- [9] **Title** Strategy Logic  
**Date** September 9th, 2012  
**Event** 5th Workshop of the ESF Networking Programme on Games for Design and Verification (GAMES 2012), Naples, Italy, September 7-12, 2012
- [10] **Title** What Makes ATL\* Decidable? A Decidable Fragment of Strategy Logic  
**Date** September 5th, 2012  
**Event** 23rd International Conference on Concurrency Theory (CONCUR 2012), Newcastle upon Tyne, England, UK, September 3-8, 2012
- [11] **Title** The Strategy Logic Saga  
**Date** September 3th, 2012  
**Event** 4th Workshop on Games for Design, Verification, and Synthesis (GASICS 2012), Newcastle upon Tyne, England, UK, September 3, 2012
- [12] **Title** Reasoning About Strategies  
**Date** December 15th, 2010

- Event** 30th IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS 2010), Chennai, India, December 15-18, 2010
- [13] **Title** Relentful Strategic Reasoning in Alternating-Time Temporal Logic  
**Date** September 21st, 2010  
**Event** 3rd Workshop of the ESF Networking Programme on Games for Design and Verification (GAMES 2010), Oxford, England, UK, September 20-23, 2010
- [14] **Title** Balance Games on Colored Graphs  
**Date** September 14th, 2009  
**Event** 2nd Workshop of the ESF Networking Programme on Games for Design and Verification (GAMES 2009), Udine, Italy, September 14-17, 2009
- [15] **Title** Graded Computation Tree Logic  
**Date** August 14th, 2009  
**Event** 24th Annual IEEE Symposium on Logic in Computer Science (LICS 2009), Los Angeles, California, USA, August 11-14, 2009
- [16] **Title** Branching-Time Temporal Logics with Minimal Model Quantifiers  
**Date** July 1st, 2009  
**Event** 13th International Conference on Developments in Language Theory (DLT 2009), Stuttgart, Germany, June 30 - July 3, 2009

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## Publications

### Books

- [1] F. Mogavero. *Logics in Computer Science (A Study on Extensions of Temporal and Strategic Logics)*, volume 3 of *Atlantis Studies in Computing*. Atlantis Press, 2013. doi:10.2991/978-94-91216-95-4, ISSN:2212-8557, ISBN:978-94-91216-94-7.

### Journal editorships

- [1] F. Mogavero, A. Murano, and M.Y. Vardi, editors. *Special Issue: 2nd International Workshop on Strategic Reasoning (SR'14)*, volume 254 of *Information and Computation*. Elsevier, 2016. doi:10.1016/j.ic.2016.10.005, ISSN:0890-5401.
- [2] F. Mogavero, A. Murano, and M.Y. Vardi, editors. *Special Issue: 1st International Workshop on Strategic Reasoning (SR'13)*, volume 242 of *Information and Computation*. Elsevier, 2015. doi:10.1016/j.ic.2015.03.008, ISSN:0890-5401.

### Conference editorships

- [1] F. Mogavero, A. Murano, and M.Y. Vardi, editors. *Proceedings 2nd International Workshop on Strategic Reasoning (SR'14), Grenoble, France, April 5-6, 2014.*, EPTCS 146, 2014. doi:10.4204/EPTCS.146, ISSN:2075-2180.
- [2] F. Mogavero, A. Murano, and M.Y. Vardi, editors. *Proceedings 1st International Workshop on Strategic Reasoning (SR'13), Rome, Italy, March 16-17, 2013.*, EPTCS 112, 2013. doi:10.4204/EPTCS.112, ISSN:2075-2180.

### Journals

- [1] M. Benerecetti, D. Dell'Erba, and F. Mogavero. Robust Worst Cases for Parity Games Algorithms. *Information and Computation*, (?):?-?, 2019. doi:?, ISSN:0890-5401.
- [2] M. Benerecetti, D. Dell'Erba, and F. Mogavero. A Delayed Promotion Policy for Parity Games. *Information and Computation*, 262(2):265-279, 2018. doi:10.1016/j.ic.2018.09.005, ISSN:0890-5401.
- [3] G. Fontaine, F. Mogavero, A. Murano, G. Perelli, and L. Sorrentino. Cycle Detection in Computation Tree Logic. *Information and Computation*, 262(2):221-240, 2018. doi:10.1016/j.ic.2018.09.007, ISSN:0890-5401.

- [4] M. Benerecetti, D. Dell’Erba, and F. Mogavero. Solving Parity Games via Priority Promotion. *Formal Methods in System Design*, 52(2):193–226, 2018. doi:10.1007/s10703-018-0315-1, ISSN:0925-9856.
- [5] P. Čermák, A. Lomuscio, F. Mogavero, and A. Murano. Practical Verification of Multi-Agent Systems against SLK Specifications. *Information and Computation*, 261(3):588–614, 2018. First published online: September 2017. doi:10.1016/j.ic.2017.09.011, ISSN:0890-5401.
- [6] V. Malvone, F. Mogavero, A. Murano, and L. Sorrentino. Reasoning about Graded Strategy Quantifiers. *Information and Computation*, 259(3):390–411, 2018. First published online: August 2017. doi:10.1016/j.ic.2017.08.010, ISSN:0890-5401.
- [7] F. Mogavero, A. Murano, G. Perelli, and M.Y. Vardi. Reasoning About Strategies: On the Satisfiability Problem. *Logical Methods in Computer Science*, 13(1:9):1–37, 2017. First published online: December 2016. doi:10.23638/LMCS-13(1:9)2017, ISSN:1860-5974.
- [8] F. Mogavero, A. Murano, and M.Y. Vardi. Relentful Strategic Reasoning in Alternating-Time Temporal Logic. *Journal of Logic and Computation*, 26(5):1663–1695, 2016. First published online: September 2014. doi:10.1093/logcom/exu052, ISSN:1465-363X.
- [9] M. Benerecetti, F. Mogavero, and A. Murano. Reasoning About Substructures and Games. *Transactions on Computational Logic*, 16(3):25:1–46, 2015. doi:10.1145/2757286, ISSN:1529-3785.
- [10] F. Mogavero, A. Murano, and L. Sorrentino. On Promptness in Parity Games. *Fundamenta Informaticae*, 139:1–29, 2015. doi:10.3233/FI-2015-1235, ISSN:0169-2968.
- [11] F. Mogavero, A. Murano, G. Perelli, and M.Y. Vardi. Reasoning About Strategies: On the Model-Checking Problem. *Transactions on Computational Logic*, 15(4):34:1–42, 2014. doi:10.1145/2631917, ISSN:1529-3785.
- [12] B. Aminof, F. Mogavero, and A. Murano. Synthesis of Hierarchical Systems. *Science of Computer Programming*, 83:56–79, 2014. First published online: July 2013. doi:10.1016/j.scico.2013.07.001, ISSN:0167-6423.
- [13] A. Bianco, F. Mogavero, and A. Murano. Graded Computation Tree Logic. *Transactions on Computational Logic*, 13(3):25:1–53, 2012. doi:10.1145/2287718.2287725, ISSN:1529-3785.
- [14] A. Bianco, M. Faella, F. Mogavero, and A. Murano. Quantitatively Fair Scheduling. *Theoretical Computer Science*, 413(1):160–175, 2012. First published online: June 2011. doi:10.1016/j.tcs.2011.06.029, ISSN:0304-3975.
- [15] A. Bianco, M. Faella, F. Mogavero, and A. Murano. Exploring the Boundary of Half-Positionality. *Annals of Mathematics and Artificial Intelligence*, 62(1-2):55–77, 2011. doi:10.1007/s10472-011-9250-1, ISSN:1012-2443.

## Conferences

- [1] R. Lanotte, M. Merro, and F. Mogavero. On the Decidability of Linear Bounded Periodic Cyber-Physical Systems. In *22th Hybrid Systems: Computation and Control (HSCC’19), April 16-18, 2019, Montreal, Canada*, pages ?–? Association for Computing Machinery, 2019. doi:?, ISSN:?, ISBN:?
- [2] E. Acar, M. Benerecetti, and F. Mogavero. Satisfiability in Strategy Logic can be Easier than Model Checking. In *33th Conference on Artificial Intelligence (AAAI’19), January 27 - February 1, 2019, Honolulu, Hawaii, USA*, pages ?–? AAAI Press, 2019. doi:?, ISSN:?, ISBN:?
- [3] G. Konstantinidis and F. Mogavero. Attacking Diophantus: Solving a Special Case of Bag Containment. In *38th Principles of Database Systems (PODS’19), June 30 - July 5, 2019, Amsterdam, The Netherlands*, pages ?–? Association for Computing Machinery, 2019. doi:?, ISSN:?, ISBN:?
- [4] M. Benerecetti, D. Dell’Erba, and F. Mogavero. Robust Exponential Worst Cases for Divide-et-Impera Algorithms for Parity Games. In *8th International Symposium on Games, Automata,*

*Logics and Formal Verification (GANDALF'17)*, September 20-22, 2017, Rome, Italy, volume 256 of *EPTCS*, pages 121–135, 2017. doi:10.4204/EPTCS.256.9, ISSN:2075-2180.

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