CURRICULUM VITÆ OF BRESOLIN DAVIDE

Personal Information

Name	**Davide Bresolin**
Nationality	Italian
Date of birth	September 28th, 1978
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	Università degli Studi di Verona
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Current position

Dates	from January 1st, 2007,
	Post Doc
Research topic	Design and Verification of Embedded System
Name and type of	Dipartimento di Informatica,
organization	Università degli Studi di Verona

Research activity

My research activity is focused on two distinct research areas: verification and design of hardware and software embedded systems using *hybrid systems*, and modelling and reasoning with temporal relations using *temporal logic* and *automata*.

Hybrid systems and automata. In many applicative fields there is the need to model and design complex systems having a mixed discrete and continuous behaviour that cannot be characterized faithfully using either discrete or continuous models only. In order to model and specify hybrid systems in a formal way, the notion of *hybrid automata* has been introduced. Intuitively, a hybrid automaton is a "finite-state automaton" with continuous variables that evolve according to dynamics characterizing each discrete node. My research activity in this area is focused on the development of modeling formalisms and software tools for the verification of reachability properties and synthesis of hybrid systems from the properties they should respect.

Temporal logic. Most of the temporal logics proposed and developed in the literature are the point-based ones, where the basic units of the temporal domain are single temporal instants. The research activity is based on a different type of temporal logics, namely, the (propositional) interval temporal logics, where the fundamental time-units represents periods (intervals) of time. In particular, my research is focused on the axiomatizability and decidability problems for some propositional interval temporal logics.

Granularities and automata. A temporal granularity can be viewed as the partitioning of a temporal domain in groups of elements, where each group is perceived as an indivisible unit (a granule). This concept is widely used in a variety of applications in the areas of artificial intelligence and databases. I developed an original automaton-based approach to the management of sets of granularities, that provides effective solutions to the problems of emptiness, membership, equivalence, inclusion, minimization, and comparison of granularities.

Education and training

Dates	from November 2003 to April 2007,
	PhD student in Computer Science.
Name and type of	Università degli Studi di Udine,
organization providing	Dipartimento di Matematica e Informatica, Udine, Italy.
education and training	

Supervisor	Prof. Angelo Montanari
Title of the thesis	Proof methods for Interval Temporal Logics.
Dates	1997 – 2003
Title of qualification awarded	Diploma di Laurea in Informatica
Level in international classification	MSc in Computer Science
Name and type of organization providing education and training	Università degli Studi di Udine, Udine, Italy
Thesis supervisor	Prof. Angelo Montanari
Title of the thesis	Reasoning about sets of temporal granularities with automata in database systems.
Grade	Full marks "cum laude"

Other education and training experience

Dates	April 2006 – May 2006
Name and type of host organization	University of the Witwatersrand, Johannesburg, South Africa
	Research visit to the research group of Prof. Valentin Goranko. During the period of the visit the axiomatizability problem and the decidability problem for some temporal interval logic has been studied.
Dates	March 2006 – April 2006
Name and type of host organization	National institute of Telecommunication, Warsaw, Poland
	Research visit to the research group of Prof. Ewa Orłowska. During the period of the visit a relational approach to the validity problem for propositional interval temporal logic has been jointly developed.

Research Projects

Project name	CON4COORD: Control for coordination of distributed systems European Union project FP7-2007-ICT-2-223844, Seventh Framework Programme
Project name	COCONUT: A COrrect-by-CONstrUcTion Workbench for Design and Verification of Embedded Systems European Union project FP7-2007-IST-1-217069, Seventh Framework Programme
Project name	VERTIGO: Verification and Validation of Embedded System Design Workbench European Union project FP6-2005-IST-5-033709, Sixth Framework Programme
Project name	Temporal logics in computer and information sciences Italy/South Africa joint project
Project name	Algebraic and Deduction Methods in Non Classical Logics and their Applications to Computer Science INTAS European Project
Project name	Constraints and preferences as a unifying formalism for system analysis and solution of real-life problems Italian project PRIN
Title of the project	Development of constraint solvers and their applications in coding theory and bioinformatics Italian GNCS national project
Title of the project	AIDA: Abstract Interpretation Design and Applications Italian PRIN national project
Title of the project	Biocheck – a tool for simulation and verification of biological models

Italian regional project, supported by Regione Autonoma Friuli Venezia Giulia

Teaching experience

Dates	November – December 2010
Name and type of organization providing education and training	Università degli Studi di Verona, Faculty of Medicine and Surgery
Degree Course	Three years course in Medical Radiology Techniques, Imaging and Radiotherapy
Title of the course	Computer Networks and Database Systems
Dates	October – December 2008
Name and type of organization providing education and training	Università degli Studi di Verona, Faculty of Sicences
Degree Course	Three years course in Multimedia Information technology, third year
Title of the course	Real Time Systems Lab
Dates	October – December 2007
Name and type of organization providing education and training	Università degli Studi di Verona, Facoltà di Scienze Matematiche, Fisiche e Naturali
Degree Course	Three years course in Multimedia Information technology, third year
Title of the course	Real Time Systems Lab
Dates	January – February 2006
Name and type of organization providing education and training	Università degli Studi di Udine, Udine, Italy
Degree course	Three years course in Computer Science, second year
Title of the course	Algorithms and Data Structures Lab
Dates	January – March 2005
Name and type of organization providing education and training	Università degli Studi di Udine, Udine, Italy
Degree course	Three years course in Computer Science, second year
Title of the course	Algorithms and Data Structures Lab

Organization of schools and meetings

Dates and location	21-23 March 2011, Verona
Event	Periodic meeting of the EU project CON4COORD
Dates and location	6-8 September 2010, Paris, France
Event	17th International Symposium on Temporal Representation and Reasoning (TIME'10)
Role	Program Committee Member
Dates and location	17-18 June 2010, Minori, Salerno, Italy
Event	GandALF 2010, First International Symposium on Games, Automata, Logics and Formal Verification
Dates and location	8-9 October 2009, Verona
Event	Periodic meeting of the EU project CON4COORD
Dates and location	5-7 October 2009, Verona
Event	C4C School on Control of Distributed Systems
Dates and location	14-17 September 2009, Udine
Event	2nd Annual Workshop of the ESF Networking Programme on Games for Design and Verification (GAMES)

Schools and other courses

Dates and location	5-7 October 2009, Verona, Italy
Event	C4C School on Control of Distributed Systems
	School of the EU project CON4COORD
Courses	• Distributed systems: Algorithms and verification, Prof. Roberto Segala
	• The unknown component problem: theory and applications, Prof. Tiziano Villa
	• Fault Detection and Diagnosis in DES, Prof. Chris Hadjicostis
	• Computable analysis, Dr. Pieter Collins
	• Wireless Communication networks, Dr. Georgios Paschos
	• Control of stochastic systems, Prof. Rene K. Boel
	• Control of distributed systems, Prof. Jan H. van Schuppen
	• Supervisory control and models of manufacturing plants, Prof. Rong Su

Dates and location	11-15 September 2006, Dobbiaco, Italy
Event	Third International School on Biology, Computation, and Information (BCI 2006)
Courses	• Simplified Protein Models and Constraint Programming Approaches to the Protein Folding Problem, Prof. Sebastian Will
	• An Overview of Protein Structure and of the Experimental Techniques used to determine them, Prof. Hugo Luis Monaco and Massimiliano Perduca
	• Algorithmic and Complexity issues in Structure Prediciton and/or Determination, Prof. Romeo Rizzi

Dates and location	31 July - 11 August 2006, Malaga, Spain
Event	ESSLLI 2006: 18th European Summer School in Logic, Language and Information
Courses	• The Modal Mu-Calculus, Prof. Venema
	• Introduction to Automated Reasoning, Prof. De Nivelle and Prof. Baumgartner
	• Expressiveness of Temporal Logics, Prof. Laroussinie and Prof. Markey
	• Modal Logics for Multi-Agent Systems, Prof. Goranko and Prof. Jamroga
	• Verification of Infinite State Systems, Prof. Montanari and Dr. Puppis
	• Logic and Computation in Finitely Presentable Infinite Structure, Prof. Goranko and Dr. Rubin

Dates and location	October 2005, Udine, Italy
Course	Decidability of logics over (infinite) graphs
	Doctoral course given by Prof. Didier Caucal (IRISA-CNRS, Rennes, Francia)
Dates and location	10-23 July 2005, Lipari, Italy
Course	17th Lipari International School for Computer Science Researchers
	Formal Methods: Theory and Practice

Courses	• Modeling and analysis of Hybrid and Embedded Systems, Prof. Rajeev Alur
	• Abstraction in Model Checking, Prof. Edmund M. Clarke
	• The Automata-Theoretic Approach to Verification, Prof. Moshe Vardi
	• Practical Static Analysis of Software Systems, Prof. Zohar Manna
	• Games in System Design and Verification, Prof. Thomas A. Henzinger
	• Relational Logic for Software Design, Prof. Daniel Jackson
	• Software Model Checking, Prof. Sriram Rajamani

Dates and location	July 2005, Udine, Italy
Course	Cathegory Theory
	Doctoral course given by Prof. Fabio Alessi (Università di Udine)
Dates and location	July 2005, Udine, Italy
Course	Abstract Interpretation
	Doctoral course given by Prof. Marco Comini (Università di Udine)
Dates and location	19-24 September 2004, Dobbiaco, Bolzano
Event	First International School on Biology, Computation, and Information (BCI 2004)
Courses	• Functional Proteomics of Cellular Signal Transduction Pathways, Prof. Jasminka Godovac-Zimmermann
	• Mathematical Modeling Tools for Systems Biology, Prof. Reinhard Laubenbacher
	• Computational methods for the identification of regulatory motifs in genomic sequences, Prof. Graziano Pesole and Prof. Giorgio Pavesi

Dates and location	8-19 March 2004, Bertinoro, Italy
Event	BISS 2004: Bertinoro International Spring School for Graduate Studies in Computer Science
Courses	• Middleware for Distributed Computing: Objects, Components and Web Services, Prof. Santosh Shrivastava
	• A Semantic Theory of Distributed Mobile Computation, Prof. Matthew Hennessy
	• Models and algorithms for complex information networks, Prof. Stefano Leonardi
	• Intelligent agents: modeling and reasoning techniques, Prof. Alberto Martelli

Seminars, talks and conferences

Dates and location	21-23 March 2011, Verona
Event	Periodic Meeting of the EU project CON4COORD
Talk Title	"Formal Verification of Plans for Robotic Surgery"
Dates and location	6-8 September 2010, Paris, France
Event	17th International Symposium on Temporal Representation and Reasoning (TIME'10)
Talk Title	"A decidable spatial generalization of metric interval temporal logic"
Dates and location	16-20 August 2010, Lisbon, Portugal
Event	19th European Conference on Artificial Intelligence - ECAI 2010
Dates and location	15-16 July 2010, Bruxelles, Belgium
Event	Second Review Meeting of the EU project CON4COORD
Talk title	"Work Package 10 - Tools"
Dates and location	12-14 July 2010, Delft, The Netherlands

Event	Periodic Meeting of the EU project CON4COORD
Talk title	"Work Package 10 - Tools"
Dates and location	17-18 June 2010, Minori, Salerno, Italy
Event	GandALF 2010, First International Symposium on Games, Automata, Logics and Formal Verification
Dates and location	16 June 2010, Minori, Salerno, Italy
Event	Second workday of the GNCS 2010 project on "Logics, Automata, and Games for the formal verification of complex systems"
Talk title	"Verification of Hybrid Systems in ARIADNE"
Dates and location	15-17 February 2010, Volos, Greece
Event	Periodic Meeting of the EU project CON4COORD
Talk title	"The quest for a compositional and computable semantics for Hybrid Automata"
Dates and location	23-27 November 2009, Hanoi, Vietnam
Event	7th IEEE International Conference on Software Engineering and Formal Methods (SEFM 2009)
Talk title	"Right propositional neighborhood logic over natural numbers with integer constraints for interval lengths"
Dates and location	8-9 October 2009, Verona, Italy
Event	Periodic Meeting of the EU project CON4COORD
Talk title	"From Hybrid Models to Discrete Implementations: the Almost ASAP approach"
Dates and location	14-17 September 2009, Udine
Event	Workshop of the ESF Networking Programme on Games for Design and Verification (GAMES)
Talk title	"Assume-Guarantee verification of Hybrid Systems in ARIADNE"
Dates and location	23-25 July 2009, Brixen-Bressanone, Italy
Event	16th International Symposium on Temporal Representation and Reasoning (TIME-2009)
Dates and location	6-10 July 2009, Oslo, Norway
Event	18th International Conference on Automated Reasoning with Analytic Tableaux and Related Methods (TABLEAUX 2009)
Dates and location	3 July 2009, Amsterdam, The Netherlands
Event	Review Meeting of the EU project CON4COORD
Talk title	"Work Package 10 - Tools"
Dates and location	30 June - 2 July 2009, Antwerp, Belgium
Event	Periodic Meeting of the EU project CON4COORD
Talk title	"Advanced verification strategies in ARIADNE"
Dates and location	15-17 April 2009, Liberec, Czech Republic
Event	12th IEEE Symposium on Design and Diagnostics of Electronic Systems (DDECS 2009)
Talk title	"The impact of EFSM composition on functional ATPG"
Dates and location	27-29 October 2008, Porto, Portugal
Event	Meeting periodico del progetto europeo CON4COORD
Talk title	"Work Package 10 - Tools"
Dates and location	28 September - 1 October 2008, Dresden, Germany
Event	JELIA 2008 - 11th European Conference on Logics in Artificial Intelligence
Talk title	"Optimal tableaux for right propositional neighborhood logic over linear orders"
Dates and location	14-16 July 2008, Amsterdam, The Netherlands
Event	Periodic Meeting of the EU project CON4COORD
Talk title	"Modeling Hybrid Systems: the ARIADNE view and beyond"
Dates and location	16-18 June 2008, Montreal, Canada

Event	15th International Symposium on Temporal Representation and Reasoning (TIME 2008)
Dates and location	4 December 2007, Verona, Italy
Event	Pre-kickoff Meeting of the EU project COCONUT
Talk title	"ARIADNE: an open tool for hybrid system analysis"
Dates and location	3-6 July 2007, Aix en Provence, France
Event	TABLEAUX 2007: 16th Conference on Automated Reasoning with Analytic Tableaux and Related Methods
Talk title	"Tableau systems for logics of subinterval structures over dense orderings"
Dates and location	22-24 February 2007, Aachen, Germany
Event	24th International Symposium on Theoretical Aspects of Computer Science (STACS 2007)
Talk title	"An optimal tableau-based decision algorithm for propositional neighborhood logic"
Dates and location	October 2006, Verona, Italy
Event	Invited talk on "A short introduction on Interval Temporal Logic"
Dates and location	1-2 December 2005, Berlino, Germany
Event	M4M-4: 4th International Workshop on Methods for Modalities
Talk title	"A tableau-based decision procedure for a branching-time interval temporal logic"
Dates and location	14-17 September 2005, Koblenz, Germany
Event	TABLEAUX 2005: 14th Conference on Automated Reasoning with Analytic Tableaux and Related Methods
Dates and location	16-17 December 2004, Trento, Italy
Event	Converging Sciences
Dates and location	September 2004, Udine, Italy
Event	1st INTAS Project Meeting on Algebraic Methods in Non-classical Logics
Talk title	"A tableau-based decision procedure for Right Propositional Neighborhood Logic"

Review activity

International Journals	Acta Informatica, Annals of Mathematics and Artificial Intelligence, Artificial Intelligence, International Journal of Computer Mathematics, Logic Journal of the IGPL, Logical Methods in Computer Science, Transactions of Computational Systems Biology
International Conferences	LOPSTR 2007, M4M 2007, TABLEAUX 2007, TODAES 2007, CAV 2008, HSCC 2008, ADHS 2009, MemoCode 2009, MFCS 2008, TABLEAUX 2009, FoSSaCS 2010, TIME 2010, ICALP 2011, LICS 2011, IFAC 2011, IWLS 2011, TIME 2011

Personal skills and competences

MOTHER TOUNGE	**Italian**
OTHER LANGUAGE(S)	**English**
Reading	Excellent
Writing	Good
Speaking	Good

Publications

Books

1. Davide Bresolin. *Proof methods for Interval Temporal Logics*. PhD thesis, Dipartimento di Matematica e Informatica, Università degli Studi di Udine, 2007. Forum Editrice, PhD Thesis Series CS 2007

International Journals

2. D. Bresolin, P. Sala, and G. Sciavicco. On Begin, Meets and Before. *International Journal of Foundations of Computer Science*, 2011

3. Davide Bresolin, Dario Della Monica, Valentin Goranko, Angelo Montanari, and Guido Sciavicco. Metric propositional neighborhood logics on natural numbers. *Software and Systems Modeling*, 2011. DOI: 10.1007/s10270-011-0195-y

4. Davide Bresolin, Valentin Goranko, Angelo Montanari, and Pietro Sala. Tableaux for Logics of Subinterval Structures over Dense Orderings. *Journal of Logic and Computation*, 20(1):133–166, 2010

5. D. Bresolin, V. Goranko, A. Montanari, and G. Sciavicco. Propositional interval neighborhood logics: Expressiveness, decidability, and undecidable extensions. *Annals of Pure and Applied Logic*, 161:289–304, 2009

6. Davide Bresolin, Angelo Montanari, and Gabriele Puppis. A theory of ultimately periodic languages and automata with an application to time granularity. *Acta Informatica*, 46(5):331–360, March 2009

7. Davide Bresolin, Angelo Montanari, and Guido Sciavicco. An optimal decision procedure for right propositional neighborhood logic. *Journal of Automated Reasoning*, 38(1-3):173–199, 2007

8. Davide Bresolin, Joanna Golińska-Pilarek, and Ewa Orłowska. Relational dual tableaux for interval temporal logics. *Journal of Applied Non-Classical Logics*, 16(3–4):251–277, 2006

International conferences

9. Davide Bresolin, Dario Della Monica, Valentin Goranko, Angelo Montanari, and Guido Sciavicco. The dark side of Interval Temporal Logic: sharpening the undecidability border. In *Proc. of TIME 2011: 18th International Symposium on Temporal Representation and Reasoning*, Lübeck, Germany, September 2011. IEEE Comp. Society Press

10. Davide Bresolin, Dario Della Monica, Angelo Montanari, and Guido Sciavicco. The light side of Interval Temporal Logic: the Bernays-Schönfinkel's fragment of CDT. In *Proc. of TIME 2011: 18th International Symposium on Temporal Representation and Reasoning*, Lübeck, Germany, September 2011. IEEE Comp. Society Press

11. Davide Bresolin and Marta Capiluppi. A game-theoretic approach to fault diagnosis of hybrid systems. In *Proc. of GandALF 2011: Second International Symposium on Games, Automata, Logics and Formal Verification*, Minori, Amalfi Coast, Italy, June 2011

12. D. Bresolin, A. Montanari, P. Sala, and G. Sciavicco. An optimal decision procedure for MPNL over the integers. In *Proc. of GandALF 2011: Second International Symposium on Games, Automata, Logics and Formal Verification*, Minori, Amalfi Coast, Italy, June 2011

13. Davide Bresolin, Angelo Montanari, Pietro Sala, and Guido Sciavicco. Optimal tableau systems for propositional neighborhood logic over all, dense, and discrete linear orders. In *Proceedings of TABLEAUX 2011: The 20th International Conference on Automated Reasoning with Analytic Tableaux and Related Methods*, LNAI, Bern, Switzerland, July 2011. Springer

14. Davide Bresolin, Luigi Di Guglielmo, Luca Geretti, and Tiziano Villa. Correct-by-construction code generation from hybrid automata specification. In *Proceedings of CyPhy'11: 1st IEEE Workshop on Design, Modeling and Evaluation of Cyber Physical Systems*, Istanbul, Turkey, July 2011. IEEE Comp. Society Press

15. Davide Bresolin, Angelo Montanari, Pietro Sala, and Guido Sciavicco. What's decidable about Halpern and Shoham's interval logic? The maximal fragment ABBL. In *Proceedings of LICS 2011: 26th Symposium on Logic in Computer Science*, Toronto, Canada, June 2011. IEEE Comp. Society Press

16. Davide Bresolin, Dario Della Monica, Angelo Montanari, Pietro Sala, and Guido Sciavicco. A decidable spatial generalization of metric interval temporal logic. In *Proc. of TIME 2010: 17th International Symposium on Temporal Representation and Reasoning*, pages 95–102, Paris, France, September 2010. IEEE Comp. Society Press

17. Davide Bresolin, Dario Della Monica, Valentin Goranko, Angelo Montanari, and Guido Sciavicco. Metric propositional neighborhood logics: Expressiveness, decidability, and undecidability. In *Proceedings of ECAI 2010: 19th European Conference on Artificial Intelligence*, volume 215 of *Frontiers in Artificial Intelligence and Applications*, pages 695–700, Lisbon, Portugal, August 2010. IOS Press

18. D. Bresolin, P. Sala, and G. Sciavicco. Begin, After, and Later: a maximal decidable Interval Temporal Logic. In *Proc. of GandALF 2010: First International Symposium on Games, Automata, Logics and Formal Verification*, volume 25 of *EPTCS*, pages 72–88, Minori, Amalfi Coast, Italy, June 2010

19. Davide Bresolin, Dario Della Monica, Valentin Goranko, Angelo Montanari, and Guido Sciavicco. Undecidability of the logic of overlap relation over discrete linear orderings. *Electronic Notes in Theoretical Computer Science*, 262:65 – 81, 2010. Proceedings of the 6th Workshop on Methods for Modalities (M4M-6 2009)

20. Davide Bresolin, Valentin Goranko, Angelo Montanari, and Guido Sciavicco. Right propositional neighborhood logic over natural numbers with integer constraints for interval lengths. In *Proc. of the 7th IEEE International Conference on Software Engineering and Formal Methods (SEFM)*, Hanoi, Vietnam, November 2009. IEEE Comp. Society Press

21. Davide Bresolin, Dario Della Monica, Valentin Goranko, Angelo Montanari, and Guido Sciavicco. On the undecidability of interval temporal logics with the overlap modality. In *Proc. of TIME 2009: 16th International Symposium on Temporal Representation and Reasoning*, pages 88–95, Brixen-Bressanone, Italy, July 2009. IEEE Comp. Society Press

22. Davide Bresolin, Angelo Montanari, Pietro Sala, and Guido Sciavicco. A tableau-based system for spatial reasoning about directional relations. In *Proc. of TABLEAUX 2009: 18th Conference on Automated Reasoning with Analytic Tableaux and Related Methods*, volume 5607 of *LNAI*, pages 123–137, Oslo, Norway, July 2009

23. D. Bresolin, G. Di Guglielmo, F. Fummi, G. Pravadelli, and T. Villa. The impact of EFSM composition on functional ATPG. In *Proc. of the 12th IEEE Symposium on Design and Diagnostics of Electronic Systems (DDECS09)*, pages 44–49, Liberec, Czech Republic, April 2009

24. Davide Bresolin, Valentin Goranko, Angelo Montanari, and Pietro Sala. Complete and terminating tableau for the logic of proper subinterval structures over dense orderings. *Electronic Notes in Theoretical Computer Science*, 231:131–151, 2009. Proceedings of the 5th Workshop on Methods for Modalities (M4M5 2007)

25. Davide Bresolin, Dario Della Monica, Valentin Goranko, Angelo Montanari, and Guido Sciavicco. Decidable and undecidable fragments of halpern and shoham's interval temporal logic: Towards a complete classification. In *Proc. of the 15th Int. Conf. on Logic for Programming, Artificial Intelligence, and Reasoning (LPAR 2008)*, volume 5330 of *LNCS*, pages 590–604, Doha, Quatar, November 2008

26. D. Bresolin, A. Montanari, P. Sala, and G. Sciavicco. Optimal tableaux for right propositional neighborhood logic over linear orders. In *Proc. of JELIA 2008: 11th European Conference on Logics in Artificial Intelligence (JELIA)*, volume 5293 of *LNAI*, pages 62–75, Dresden, Germany, September 2008. Springer

27. Luca Benvenuti, Davide Bresolin, Alberto Casagrande, Pieter Collins, Alberto Ferrari, Emanuele Mazzi, Alberto Sangiovanni-Vincentelli, and Tiziano Villa. Reachability computation for hybrid systems with Ariadne. In *Proc. of the 17th IFAC World Congress*, Seul, Korea, July 2008

28. Davide Bresolin, Angelo Montanari, and Pietro Sala. An optimal tableau for Right Propositional Neighborhood Logic over trees. In *Proc. of the 15th International Symposium on Temporal Representation and Reasoning (TIME 2008)*, pages 110–117, Montreal, Quebec, Canada, June 2008. IEEE Comp. Society Press

29. Davide Bresolin, Valentin Goranko, Angelo Montanari, and Pietro Sala. Tableau systems for logics of subinterval structures over dense orderings. In *Proc. of TABLEAUX 2007: 16th Conference on Automated Reasoning with Analytic Tableaux and Related Methods*, volume 4548 of *LNAI*, pages 73–89, Aix en Provence, France, July 2007

30. Davide Bresolin, Valentin Goranko, Angelo Montanari, and Guido Sciavicco. On decidability and expressiveness of propositional interval neighborhood logics. In *Proc. of LFCS 2007: Symposium on Logical Foundations of Computer Science*, volume 4514 of *LNCS*, pages 84–99, New York, USA, June 2007

31. Davide Bresolin, Angelo Montanari, and Pietro Sala. An optimal tableau-based decision algorithm for propositional neighborhood logic. In *Proc. of STACS 2007: 24th International Symposium on Theoretical Aspects of Computer Science*, volume 4393 of *LNCS*, pages 549–560, Aachen, Germany, February 2007

32. Davide Bresolin and Angelo Montanari. A tableau-based decision procedure for a branching-time interval temporal logic. In H. Schlingloff, editor, *Proc. of M4M-4: 4th International Workshop on Methods for Modalities*, Berlin, Germany, December 2005

33. Davide Bresolin and Angelo Montanari. A tableau-based decision procedure for right propositional neighborhood logic. In *Proc. of TABLEAUX 2005: 14th Conference on Automated Reasoning with Analytic Tableaux and Related Methods*, volume 3702 of *Lecture Notes in Artificial Intelligence*, pages 63–77, Koblenz, Germany, September 2005

34. Davide Bresolin, Angelo Montanari, and Gabriele Puppis. Time granularities and ultimately periodic automata. In *Proc. of JELIA 2004: 9th European Conference on Logics in Artificial Intelligence*, volume 3229 of *Lecture Notes in Artificial Intelligence*, pages 513–525, Lisbon, Portugal, September 2004. Springer-Verlag

Verona, May 24, 2011