



ACSI – Artifact-Centric Service Interoperation



D6.3.2

Publications in scientific journals and conferences – Second year

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Abstract

This document reports the full list of journal, and conference publications, and other related venues for publication of ACSI project achievements during its first and second years.

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Table of Contents

Abstract	2
Document History	3
Table of Contents	4
Acronyms.....	5
1. List of publications	6
1.1. Scientific Journals.....	6
1.2. Conferences and Workshops	7
1.3. Book Chapters	13

Acronyms

Acronym	Explanation
ACSI	Artifact-Centric Service Interoperation

1. List of publications

Conforming to the dissemination action plan (D6.2), all academic and research project partners strive to report their work achievements in ACSI through related channels, including journals, conferences, books and workshops. This deliverables details all disseminated publications, summarizing the scientific efforts in ACSI during its first and second years of activities. A ‘live’ version of this report is also publicly posted on ACSI’s website at www.acsi-project.eu.

1.1. Scientific Journals

Publications in 2012

- Riccardo De Masellis, Giuseppe De Giacomo, Riccardo Rosati. *Verification of Conjunctive Artifact-Centric Services*. International Journal of Cooperative Information Systems (IJCIS). 2012. To appear.
- Babak Bagheri Hariri, Diego Calvanese, Giuseppe De Giacomo, Alin Deutsch, Marco Montali. *Verification of Relational Data-Centric Dynamic Systems with External Services*. CoRR Technical Report abs/1203.0024, arXiv.org e-Print archive, March 2012. Available at <http://arxiv.org/abs/1203.0024>. Submitted for publication.
- Diego Calvanese, Giuseppe De Giacomo, Maurizio Lenzerini, Riccardo Rosati. *View-based Query Answering in Description Logics: Semantics and Complexity*, Journal of Computer and System Sciences 78 (2012) 26-46. 2012.
- Evgeny Kharlamov, Dmitriy Zheleznyakov, and Diego Calvanese. *Capturing model-based ontology evolution at the instance level: the case of DL-Lite*. Submitted for publication to an international journal, 2012.
- Diego Calvanese, Giuseppe De Giacomo, Maurizio Lenzerini, and Moshe Y. Vardi. *On simplification of schema mappings*. Submitted for publication to an international journal, 2012.
- Federico Chesani, Paola Mello, Marco Montali, and Paolo Torroni. *Representing and Monitoring Social Commitments using the Event Calculus*. Submitted for publication to an international journal, 2012.
- Marco Montali, Fabrizio M. Maggi, Federico Chesani, Paola Mello, and Wil M. P. van der Aalst. *Monitoring Business Constraints with the Event Calculus*. Submitted for publication to an international journal, 2012.

Publications in 2011

- Diego Calvanese, Giuseppe De Giacomo, Domenico Lembo, Maurizio Lenzerini, Antonella Poggi, Mariano Rodriguez-Muro, Riccardo Rosati, Marco Ruzzi, Domenico Fabio Savo. *The Mastro System for Ontology-based Data Access*, Semantic Web Journal (SWJ). 2(1):43-53 2011.
- Marco Montali, Paolo Torroni, Nicola Zannone, Paola Mello and Volha Bryl. *Engineering and Verifying Agent-Oriented Requirements Augmented by Business*

Constraints with B-Tropos. Journal of Autonomous Agents and Multi-Agent Systems, pages 193-223. Springer Verlag, Berlin, 2011.

- Federico Chesani, Paola Mello, Marco Montali and Paolo Torroni. Modeling and Verifying Business Processes and Choreographies Through the Abductive Proof Procedure SCIFF and its Extensions. *Intelligenza Artificiale* 5(1), pages 101-105. IOS Press, Amsterdam, 2011. DOI: 10.3233/IA-2011-0011.
- Federico Chesani, Paola Mello, Marco Montali, and Paolo Torroni. *Monitoring Time-Aware Commitments Inside Agent-Based Simulation Environments*. Special issue of *Cybernetics and Systems*, Vol. 42(7), pages 546-566. © Taylor and Francis, 2011.

1.2. Conferences and Workshops

Publications in 2012

- Diego Calvanese, Giuseppe De Giacomo, Maurizio Lenzerini, and Moshe Y. Vardi. *Query processing under GLAV mappings for relational and graph databases*. Submitted for publication, 2012.
- M. de Leoni, W.M.P. van der Aalst, B.F. van Dongen. *Data- and Resource-aware Conformance Checking of Business Processes*. In Proc. of the 15th International Conference on Business Information Systems (BIS 2012), Vilnius, Lithuania, May 2012, Springer.
- Dirk Fahland, Robert Pruefer: *Data and Abstraction for Scenario-Based Modeling with Petri Nets*. In Proc. of the 33rd International Conference on Application and Theory of Petri Nets and Concurrency (Petri Nets 2012), Hamburg, Germany, June 2012, Springer, pp.168-188.
- Dirk Fahland, Wil M. P. van der Aalst: *Repairing Process Models to Reflect Reality*. In Proc. of 10th International Conference on Business Process Management (BPM 2012), Tallinn, Estonia, September 2012 Springer, to appear.
- M. de Leoni, F.M. Maggi, W.M.P. van der Aalst. *Aligning Event Logs and Declarative Process Models for Conformance Checking*. In Proc. of 10th International Conference on Business Process Management (BPM 2012), Tallinn, Estonia, September 2012 Springer, to appear.
- Francesco Belardinelli, Alessio Lomuscio, Fabio Patrizi. *An Abstraction Technique for the Verification of Artifact-Centric Systems*. Proc. of the 13th International Conference on Principles of Knowledge Representation and Reasoning (KR'12), 2012.
- Riccardo Rosati. *Prexto: Query Rewriting under Extensional Constraints in DL-Lite*. ESWC 2012, June 2012
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- Babak Bagheri Hariri, Diego Calvanese, Giuseppe De Giacomo, Riccardo De Masellis, Paolo Felli, Marco Montali. *Verification of Description Logic Knowledge and Action Bases*. Proc. of the 20th European Conference on Artificial Intelligence (ECAI'12), 2012.

- Floriana Di Pinto, Giuseppe De Giacomo, Maurizio Lenzerini, Riccardo Rosati. *Ontology-Based Data Access with Dynamic TBoxes in DL-Lite*, Proc. of the 26th Conference on Artificial Intelligence (AAAI'12), 2012.
- Giuseppe De Giacomo, Yves Lesperance, Fabio Patrizi. *Bounded Situation Calculus Action Theories and Decidable Verification*. Proc. of the 13th International Conference on Principles of Knowledge Representation and Reasoning (KR'12), 2012.
- Giuseppe De Giacomo, Paolo Felli, Alessio Lomuscio. *Synthesizing Agent Protocols From LTL Specifications Against Multiple Partially-Observable Environments*. Proc. of the 13th International Conference on Principles of Knowledge Representation and Reasoning (KR'12), 2012.
- Giuseppe De Giacomo, Yves Lesperance, Christian Muise. *On Supervising Agents in Situation-Determined ConGolog*. Proc. of the 11th International Conference on Autonomous Agents and Multiagent Systems (AAMAS'12), 2012.
- Diego Calvanese, Giuseppe De Giacomo, Domenico Lembo, Marco Montali, Ario Santoso. *Semantically-Governed Data-Aware Processes*. Proc. of the 1st International Workshop on Knowledge-intensive Business Processes (KiBP'12). 2012
- Giuseppe De Giacomo, Yves Lesperance, Fabio Patrizi. *Bounded Situation Calculus Action Theories* (Extended Abstract). Proc. of the 8th International Cognitive Robotics Workshop. 2012. Abridged version of KR'12.
- Giuseppe De Giacomo, Domenico Lembo, Maurizio Lenzerini, Antonella Poggi, Riccardo Rosati, Marco Ruzzi, Domenico Fabio Savo. *Mastro: A Reasoner for Effective Ontology-Based Data Access*. Proc. of the OWL Reasoner Evaluation Workshop (ORE 2012). 2012.
- Dirk Fahland, Robert Pruefer: *Data and Abstraction for Scenario-Based Modeling with Petri Nets*, In: Petri Nets 2012, LNCS 7347, p.168-188
- P. Gonzalez, A. Griesmayer, A. Lomuscio. *Verifying GSM-based Business Artifacts*. To appear in the Proceedings of the 19th International Conference on Web Services (ICWS2012). Honolulu, USA. IEEE Press.
- F. Belardinelli, A. Lomuscio, F. Patrizi. *Verification of Deployed Artifact Systems via Data Abstraction*. Proceedings of the 9th International Conference on Service Oriented Computing (ICSOC11). Paphos, Cyprus. Lecture Notes in Computer Science. Vol 7084, pp 142-156. Springer.
- Diego Calvanese, Evgeny Kharlamov, Marco Montali, and Dmitriy Zheleznyakov. *Inconsistency Tolerance in OWL 2 QL Knowledge and Action Bases - Statement of Interest*. In Proc. of the 9th Int. Workshop on OWL: Experiences and Directions (OWLED 2012), volume 849 of CEUR Electronic Workshop Proceedings, <http://ceur-ws.org/>, 2012.
- Mariano Rodriguez-Muro, and Diego Calvanese. *Quest, an OWL 2 QL reasoner for Ontology Based Data Access*. In Proc. of the 9th Int. Workshop on OWL: Experiences and Directions (OWLED 2012), volume 849 of CEUR Electronic Workshop Proceedings, <http://ceur-ws.org/>, 2012.
- Marcelo Arenas, Elena Botoeva, Diego Calvanese, Vladislav Ryzhikov, and Evgeny Sherkhonov. *Representability in DL-LiteR knowledge base exchange*. In Proc. of the 25th Int. Workshop on Description Logics (DL 2012), volume 846 of CEUR Electronic Workshop Proceedings, <http://ceur-ws.org/>, 2012.

- Diego Calvanese, and Ario Santoso. *Best service synthesis in the Weighted Roman Model*. In Proc. of the 4th Central-European Workshop on Services and their Composition (ZEUS 2012), volume 847 of CEUR Electronic Workshop Proceedings, <http://ceur-ws.org/>, 2012.
- Marcelo Arenas, Elena Botoeva, Diego Calvanese, Vladislav Ryzhikov, and Evgeny Sherkhonov. *Exchanging description logic knowledge bases*. In Proc. of the 13th Int. Conf. on the Principles of Knowledge Representation and Reasoning (KR 2012), 2012.
- Fabrizio M. Maggi, Marco Montali and Wil M. P. Van Der Aalst. *An Operational Decision Support Framework for Monitoring Business Constraints*. In Proc. of the 15th Int. Conf. on Fundamental Approaches to Software Engineering (FASE 2012), Vol. 7212 of LNCS, pages 146-162. Springer, 2012.
- Bernardo Cuenca Grau, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, and Dmitriy Zheleznyakov. *Evolution of OWL 2 QL and EL Ontologies: Tutorial*. In Proc. of the 9th Int. Workshop on OWL: Experiences and Directions (OWLED 2012), volume 849 of CEUR Electronic Workshop Proceedings, <http://ceur-ws.org/>, 2012.
- Bernardo Cuenca Grau, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, and Dmitriy Zheleznyakov. *Ontology Evolution under Semantic Constraints*. In Proc. of the 13th Int. Conf. on the Principles of Knowledge Representation and Reasoning (KR 2012), 2012.
- Babak Bagheri Hariri, Diego Calvanese, Marco Montali, Giuseppe De Giacomo, Riccardo De Masellis, and Paolo Felli. *Verification of description logic Knowledge and Action Bases*. In Proc. of the 20th European Conf. on Artificial Intelligence (ECAI 2012), 2012. To appear.
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- Diego Calvanese and Ario Santoso. *Synthesizing optimal service compositions in the Weighted Roman Model*. Submitted for publication, 2012.
- Marco Montali, Federico Chesani, Fabrizio M. Maggi, and Paola Mello. *Specification and Monitoring of Data-Aware Business Constraints*. Submitted for publication, 2012.
- Lior Limonad, David Boaz, Richard Hull, Roman Vaculin and Terry Heath, *A Generic Business Artifacts Based Authorization Framework for Cross-Enterprise Collaboration*, to appear in proceedings of the Cross Enterprise Collaboration SIG in the Service Research and Innovation Institute (SRII) Global Conference, San Jose, California, July 24 - July 27, 2012.
- Lior Limonad, Lav R. Varshney, Daniel Oppenheim, Elad Fein, Prina Soffer, Yair Wand, Moran Gavish and Ateret Anaby-Tavor, *The WaaSBE model: Marrying WaaS and Business-Entities to Support Cross- Organization Collaboration*, to appear in proceedings of the Cross Enterprise Collaboration SIG in the Service Research and Innovation Institute (SRII) Global Conference, San Jose, California, July 24 - July 27, 2012.
- Lior Limonad, Pieter De Leenheer, Mark Linehan, Rick Hull and Roman Vaculin, *Ontology of Dynamic Entities*, to appear in proceedings of the

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- Diego Calvanese, Giuseppe De Giacomo, Maurizio Lenzerini, and Moshe Y. Vardi. *Simplifying Schema Mappings*, Proc. of the 14th Int. Conf. on Database Theory (ICDT 2011), pages 114-125, 2011.
- Dirk Fahland, Massimiliano de Leoni, Boudewijn F. van Dongen, and Wil M.P. van der Aalst, *Behavioral Conformance of Artifact-Centric Process Models*, Proceedings of the 14th International Conference on Business Information Systems, BIS 2011, Poznan, Poland, June 15--17, 2011.
- Dirk Fahland, Massimiliano de Leoni, Boudewijn F. van Dongen, and Wil M.P. van der Aalst, *Many-to-Many: Some Observations on Interactions in Artifact Choreographies*, Proceedings of the 3rd Central-European Workshop on Services and their Composition, ZEUS 2011, Karlsruhe, Germany, February 21--22, 2011.
- Fahland, D. & Aalst, W.M.P. van der. *Simplifying mined process models: An approach based on unfoldings*. *Business Process Management*, Proceedings of the 9th International Conference, BPM 2011, Clermont-Ferrand, France, August 28-September 2, 2011.
- Fahland, D., Leoni, M. de, Dongen, B.F. van & Aalst, W.M.P. van der. *Conformance checking of interacting processes with overlapping instances*. Proceedings of the 9th International Conference, BPM 2011, Clermont-Ferrand, France, August 28-September 2, 2011.
- Babak Bagheri Hariri, Diego Calvanese, Giuseppe De Giacomo, Riccardo De Masellis, Paolo Felli. *Foundations of Relational Artifacts Verification*, Proc of the 9th International Conference on Business Process Management, BPM 2011, 2011.
- Yuxiao Hu, Giuseppe De Giacomo. *A Generic Framework and Solver for Synthesizing Finite-State Controllers*, Proc of the AAAI 2011 Workshop on Generalized Planning (GenPlan'11), 2011.
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- Giuseppe De Giacomo, Maurizio Lenzerini, Riccardo Rosati. *Higher-Order Description Logics for Domain Metamodeling*, Proc. of the 25th Conference on Artificial Intelligence (AAAI'11), 2011.
- Giuseppe De Giacomo, Hector Levesque, Yves Lesperance. *Efficient Reasoning in Proper Knowledge Bases with Unknown Individuals*, Proc. of the 22nd International Joint Conference on Artificial Intelligence (IJCAI'11), 2011.
- Yuxiao Hu, Giuseppe De Giacomo. *Generalized Planning: Synthesizing Plans that Work for Multiple Environments*, Proc of the 22nd International Joint Conference on Artificial Intelligence (IJCAI'11), 2011.
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- Mariano Rodriguez-Muro and Diego Calvanese. *Dependencies: Making ontology based data access work in practice*. In Proc. of the 5th Alberto Mendelzon Int. Workshop on Foundations of Data Management (AMW 2011), 2011.
- F. Belardinelli, A. Lomuscio, F. Patrizi. *A computationally grounded semantics for artifact centric systems and abstraction results*. Proceedings of the 22nd International Joint Conference on Artificial Intelligence (IJCAI11). Barcelona, Spain. pp 738-743. AAAI Press.
- Alfonso E. Gerevini, Fabio Patrizi, Alessandro Saetti. *An Effective Approach to Realizing Planning Programs*. In Proc. of ICAPS 2011. To appear.
- Fabio Patrizi, Nir Lipoveztky, Giuseppe De Giacomo, Hector Geffner. *Computing Infinite Plans for LTL Goals Using a Classical Planner*. Proc. of the 22st International Joint Conference on Artificial Intelligence (IJCAI'11), 2011.
- Francesco Belardinelli, Andrew Jones, Alessio Lomuscio; *Model Checking Temporal Epistemic Logic Using Alternating Tree Automata*, Fundamentae Informaticae. To appear.
- R. Hull, E. Damaggio, R. D. Masellis, F. Fournier, M. Gupta, F. T. Heath,III, S. Hobson, M. Linehan, S. Maradugu, A. Nigam, P. N. Sukaviriya, and R. Vaculin. *Business artifacts with guard-stage-milestone lifecycles: managing artifact interactions with conditions and events*. In O. Etzion, editor, Proceedings of the 5th ACM International Conference on Distributed Event-Based Systems 2011, pages 51–62, New York, NY, USA, 2011. ACM.
- Elio Damaggio, Richard Hull, Roman Vaculin: *On the Equivalence of Incremental and Fixpoint Semantics for Business Artifacts with Guard-Stage-Milestone Lifecycles*. Proc of the 9th International Conference on Business Process Management, BPM 2011, 2011.
- R. Vaculín and R. Hull and T. Heath and C. Cochran and A. Nigam and P. Sukavirirya, *Declarative business entity centric modeling of (semi-)structured decision-driven business processes*, International Enterprise Distributed Object Computing Conference (EDOC), 2011.
- D. Fahland, M. de Leoni, B.F. van Dongen, W.M.P. van der Aalst. *Checking Behavioral Conformance of Artifacts*. BPM Center Report BPM-11-08, BPMcenter.org, 2011.
- A. Adriansyah, B.F. van Dongen, W.M.P. van der Aalst. *Cost-Based Conformance Checking using the A* Algorithm*. BPM Center Report BPM-11-11, BPMcenter.org, 2011.
- Fabrizio M. Maggi, Marco Montali, Michael Westergaard and Wil Van Der Aalst. *Monitoring Business Constraints with Linear Temporal Logic: An Approach Based on Colored Automata*. Proc. of the 9th International Conference on Business Process Management (BPM 2011), 2011.
- Riccardo Rosati. *On the Complexity of Dealing with Inconsistency in Description Logic Ontologies*. In Proc. of the 22nd Int. Joint Conf. on Artificial Intelligence (IJCAI 2011), 2011.

- Domenico Lembo, Maurizio Lenzerini, Riccardo Rosati, Marco Ruzzi, Domenico Fabio Savo: *Query Rewriting for Inconsistent DL-Lite Ontologies*. RR 2011: 155-169
- Babak Bagheri Hariri, Diego Calvanese, Giuseppe De Giacomo, Riccardo De Masellis. *Verification of Conjunctive-Query Based Semantic Artifacts*, Proc. of the 24th Int. Workshop on Description Logics (DL'11), 2011.
- Floriana Di Pinto, Giuseppe De Giacomo, Maurizio Lenzerini, Riccardo Rosati. *Mapping Data to Higher-Order Description Logic Knowledge Bases*, Proc. of the 24th Int. Workshop on Description Logics (DL'11), 2011.
- Yuxiao Hu, Giuseppe De Giacomo. *A Generic Framework and Solver for Synthesizing Finite-State Controllers*, Proc of the AAAI 2011 Workshop on Generalized Planning (GenPlan'11), 2011.
- Giuseppe De Giacomo, Hector Levesque, Yves Lesperance. *Efficient Reasoning in Proper Knowledge Bases with Unknown Individuals*. Proc. of the 22st International Joint Conference on Artificial Intelligence (IJCAI'11), 2011.
- Fabio Patrizi, Nir Lipoveztky, Giuseppe De Giacomo, Hector Geffner. *Computing Infinite Plans for LTL Goals Using a Classical Planner*. Proc. of the 22st International Joint Conference on Artificial Intelligence (IJCAI'11), 2011.
- Mariano Rodriguez-Muro, and Diego Calvanese. *Dependencies to optimize ontology based data access*. In Proc. of the 24th Int. Workshop on Description Logics (DL 2011), volume 745 of CEUR Electronic Workshop Proceedings, <http://ceur-ws.org/>, 2011.
- Mariano Rodriguez-Muro, and Diego Calvanese. *Semantic index: Scalable query answering without forward chaining or exponential rewritings*. In Posters of the 10th Int. Semantic Web Conference (ISWC 2011), 2011.
- Marcelo Arenas, Elena Botoeva, and Diego Calvanese. *Knowledge base exchange*. In Proc. of the 24th Int. Workshop on Description Logics (DL 2011), volume 745 of CEUR Electronic Workshop Proceedings, <http://ceur-ws.org/>, 2011.
- Paolo Torroni, Federico Chesani, Paola Mello, and Marco Montali. *A Retrospective on the Reactive Event Calculus and Commitment Modeling Language. Retrospective of Social Commitments in Time: Satisfied or Compensated, one of the most cited papers in the DALT series*. In Proc. of the 9th Int. Workshop on Declarative Languages and Technologies (DALT 2011), Vol. 7169 of LNCS, pages 120-127. Springer, 2011.
- Fabrizio M. Maggi, Michael Westergaard, Marco Montali, and Wil M. P. Van Der Aalst. *Runtime Verification of LTL-Based Declarative Process Models*. In Proc. of the 2nd Int. Conf. on Runtime Verification (RV 2011). LNCS. Springer, 2011.
- Evgeny Kharlamov, and Dmitriy Zheleznyakov. *Capturing Instance Level Ontology Evolution for DL-Lite*. In Proc. of the 10th Int. Semantic Web Conference, (ISWC 2011). Vol. 7031 of LNCS, pages 321-337. Springer, 2011.
- Evgeny Kharlamov, and Dmitriy Zheleznyakov. *On Prototypes for Winslett's Semantics of DL-Lite ABox Evolution*. In Proc. of the 24th Int. Workshop on Description Logics (DL 2011), volume 745 of CEUR Electronic Workshop Proceedings, <http://ceur-ws.org/>, 2011.
- Evgeny Kharlamov, and Dmitriy Zheleznyakov. *Understanding Inexpressibility of Model-Based ABox Evolution in DL-Lite*. In Proc. of the 5th Alberto Mendelzon Int. Workshop on Foundations of Data Management (AMW 2011), volume 749 of CEUR Electronic Workshop Proceedings, <http://ceur-ws.org/>, 2011.

- Alessio Bottrighi, Federico Chesani, Paola Mello, Marco Montali, Stefania Montani, and Paolo Terenziani. *Conformance Checking of Executed Clinical Guidelines in presence of Basic Medical Knowledge*. In Proc. of Business Process Management Workshops, 4th International Workshop on Process-oriented Information Systems in Healthcare (ProHealth'11), volume 100 of LNBIP, pages 200-2011. Springer, 2011.

Publications in 2010

- Diego Calvanese , Evgeny Kharlamov, Werner Nutt, and Dmitriy Zheleznyakov, *Evolution of DL-Lite Knowledge Bases*, Proceedings of the 9th Int. Semantic Web Conf. (ISWC 2010), 2010, volume 6496 of *Lecture Notes in Computer Science*, pages 112-128. Springer, 2010.
- Marlon Dumas, Luciano Garcia-Banuelos¹, and Artem Polyvyanyy, *Unraveling Unstructured Process Models*, Proceedings of the 2nd International Workshop on the Business Process Modeling Notation (BPMN), Potsdam, Germany, October 2010. Springer.
- Piero Cangialosi, Riccardo De Masellis, Giuseppe De Giacomo, and Riccardo Rosati, *Conjunctive Artifact-Centric Services*, Proceedings of the 8th International Conference of Service Oriented Computing (ICSOC'10), 2010.
- De Leenheer, P, *Artifact-centric Service Interoperability in the Flanders Research Information Portal*, Proceedings of the 1st International Workshop on Future Internet Systems, collocated with FIS2010, CEUR.
- Giuseppe De Giacomo, Paolo Felli, Fabio Patrizi, and Sebastian Sardiña, *Two-Player Game Structures for Generalized Planning and Agent Composition*, Proceedings of the 24th Conference on Artificial Intelligence (AAAI'10), 2010.
- Domenico Lembo, Maurizio Lenzerini, Riccardo Rosati, Marco Ruzzi, and Domenico Fabio Savo, *Inconsistency-tolerant Semantics for Description Logics*, Proceedings of the fourth International Conference on Web Reasoning and Rule Systems (RR 2010), 2010.
- Alessandro Artale, Diego Calvanese, and Angelica Ibanez-Garcia. *Full satisfiability of UML class diagrams*. In Proc. of the 29th Int. Conf. on Conceptual Modeling (ER 2010), volume 6412 of *Lecture Notes in Computer Science*, pages 317-331. Springer, 2010.
- R. Hull and E. Damaggio and F. Fournier and M. Gupta and F. Heath III and S. Hobson and M. Linehan and S. Maradugu and A. Nigam and P. Sukaviriya and R. Vaculín, *Introducing the Guard-Stage-Milestone Approach for Specifying Business Entity Lifecycles*, Proc. of 7th Intl. Workshop on Web Services and Formal Methods (WS-FM 2010), Revised Selected Papers, Springer-Verlag, *Lecture Notes in Computer Science* 6551, 2010.

1.3. Book Chapters

Publications in 2012

- Stefano Bragaglia, Federico Chesani, Paola Mello, Marco Montali, and Paolo Torroni. *Reactive Event Calculus for Monitoring Global Computing Applications*. In Alexander Artikis, Robert Craven, Nihan Kesim Cicekli, Babak Sadighi, and Kostas Stathis,

editors, *Logic Programs, Norms and Action, Essays in Honour of Marek Sergot*, volume 7360 of LNCS, pages 123-146. Springer, 2012.

Publications in 2011

- Diego Calvanese, Giuseppe De Giacomo, Maurizio Lenzerini, and Riccardo Rosati. *Actions and programs over description logic knowledge bases: A functional approach*. In Gerhard Lakemeyer and Sheila A. McIlraith, editors, *Knowing, Reasoning, and Acting: Essays in Honour of Hector J. Levesque*. College Publications, 2011.