

# Alberto Lluch Lafuente - Curriculum Vitae (up to April 30, 2010)

## Personal Information

Surnames	<b>Lluch Lafuente</b>
First name	<b>Alberto</b>
Home address	Via del Giardino-A 58, I-50053 Empoli
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Nationality	Spaniard
Date of birth	13 April 1976
Gender	Male
Marital status	Married since September 2003
Family status	One child



## Summary

2009 - today	<b>Assistant Professor</b> at the IMT Institute for Advances Studies Lucca.
2007 - 2009	<b>Post-doc</b> research collaborator of Prof. Ugo Montanari at the Department of Computer Science of the University of Pisa, <b>granted by the European Project SENSORIA</b> . Research activities on formal methods for service oriented computing.
2006	<b>Analyst/Developer</b> for the Cabel Group at Empoli. Development of a project on interbank financial telecommunications.
2003 - 2005	<b>Post-doc</b> research collaborator of Prof. Ugo Montanari at the Department of Computer Science of the University of Pisa, <b>granted by the European Research Training Network SEGRAVIS</b> . Research activities on formal methods for global computing systems.
1999 - 2003	<b>Ph.D. in Computer Science</b> at the Institute of Computer Science of the University of Freiburg. Thesis on the application of heuristic search for the verification of communication protocols, an approach called <i>Directed Model Checking</i> , whose contributions to this approach are considered as <b>seminal works</b> . Research and teaching assistant of Prof. Dr. Thomas Ottmann and Prof. Dr. Stefan Leue.
1999	<b>Best final average performance award</b> by the <i>Kutxa</i> bank at San Sebastián.
1994 - 1999	<b>Master of Science in Computer Science Engineering</b> degree at the University of the Basque Country.
1998	<b>EU Socrates/Erasmus grant</b> hosted at the Albert-Ludwigs Universität in Freiburg.

## Work Experience

<b>Dec 2009 - present</b>	<b>Assistant Professor.</b>
Main activities	Research and teaching activities on Computer Science.
Hosting Institution	IMT (Institutions Markets Technologies) Lucca Institute for Advanced Studies, Italy, <a href="http://www.imtlucca.it">www.imtlucca.it</a> .
Sector	Academy.
<b>Jan 2007 - present</b>	<b>Research contract holder.</b>
Main activities	Research activities on formal methods for service oriented computing.
Hosting Institution	Department of Computer Science of the University of Pisa, Italy, <a href="http://www.di.unipi.it">www.di.unipi.it</a> .
Granting Institution	European Union within the FET-GCII FP6 Integrated Project IST-2005-016004 SENSORIA, <a href="http://sensoria.fast.de">sensoria.fast.de</a> .
Sector	Academy (Research).
<b>Apr 2006 - Dec 2006</b>	<b>Analyst/Developer.</b>
Main activities	Development of straight-through-processing applications for interbank financial communications.
Employer	CABEL Group, Empoli, Italy, <a href="http://www.cabel.it">www.cabel.it</a> .
Sector	Information Technology (Banking).
<b>Nov 2003 - Apr 2005</b>	<b>Research contract holder.</b>
Main activities	Research activities on formal methods for global computing systems.
Hosting Institution	Department of Computer Science of the University of Pisa, Italy, <a href="http://www.di.unipi.it">www.di.unipi.it</a>
Granting Institution	European Union within the European Research Training Network HPRN-CT-2002-00275 SEGRAVIS, <a href="http://www.segravis.org">www.segravis.org</a> .
Sector	Academy (research).
<b>Aug 1999 - Sep 2003</b>	<b>Research and Teaching Assistant.</b>
Main activities	Responsible for the DFG Project Ot64/13-2 <i>Heuristische Suche und Anwendung auf das Problem der Protokollvalidation</i> (Heuristic Search and its Application to Protocol Validation). Research activities on formal methods and artificial intelligence for communication systems. Teaching assistant of Prof. Dr. Prof. Thomas Ottmann and Prof. Dr. Stefan Leue.
Employer	Chair of Algorithms and Data Structures lead by Prof. Dr. Thomas Ottmann at the Institute of Computer Science, <i>Albert-Ludwigs-Universität</i> , Germany, <a href="http://www.informatik.uni-freiburg.de">www.informatik.uni-freiburg.de</a> .
Granting institution	<i>Deutsche Forschung Gemeinschaft</i> (German Research Foundation), <a href="http://www.dfg.de">www.dfg.de</a> .
Sector	Academy (Research and Teaching).

## Teaching Activities

Spring 2010	<i>Methods and Tools for Algebraic Verification</i> (PhD Course, 4 ETCS credits, around 12 students).
Fall 2008	<i>Rigorous Software Development via Model Checking</i> (PhD Seminar), Teaching assistant of Prof. Gianluigi Ferrari at the University of Pisa (Italy).
Spring 2003	<i>Computational Geometry</i> (Graduate Course, 6 ECTS credits, around 50 students), Teaching assistant of Prof. Dr. Thomas Ottmann at the Albert-Ludwigs-Universität in Freiburg (Germany).
Spring 2002	<i>Computational Geometry</i> (Graduate Course, 6 ECTS credits, around 50 students), Teaching assistant of Prof. Dr. Thomas Ottmann at the Albert-Ludwigs-Universität in Freiburg (Germany).
Fall 2001	<i>Introduction to Applied Computer Science I</i> (Graduate Course of a master programme for international students coming from developing countries, 6 ECTS credits, around 50 students), Teaching assistant of Prof. Dr. Thomas Ottmann at the Albert-Ludwigs-Universität in Freiburg (Germany).
Spring 2000	<i>Computer Networks</i> (Graduate Course, 6 ECTS credits, around 10 students), Teaching assistant of Prof. Dr. Stefan Leue at the Albert-Ludwigs-Universität in Freiburg (Germany).

## Research Activities

Fields	<b>Formal methods</b> , with a special emphasis on logic-based specification and verification. Development of novel specification mechanisms, verification algorithms and optimization techniques, mostly based on the use of logic, graphs and heuristics, and particularly focused on the domains of communication systems and service oriented computing.
Main achievement	Co-invention and promotion of <i>Directed Model Checking</i> , an approach to automated software verification based on artificial intelligence techniques. Contribution with <b>seminal works</b> to this field, cited by dozens of research works, according to various sources (ACM, Google Scholar, Citeseer).
Projects	Member of the <b>European Project SENSORIA</b> , responsible for developing formal approaches to dynamic reconfiguration of service oriented applications. Former member of the European Research Training Network SEGRAVIS and the German Research Project DFG Ot64/13-2. Collaborator of the European FET projects ALLOW and PROFUNDIS, the Italian FIRB Project TOCAI.IT, and the German DFG projects <i>Heuristic Search Ed 74/3</i> and <i>Directed Model Checking Ed 74/2</i> .
Event Organisation	Former member of the <b>Programm Comitee</b> of the International Workshop on Graph Transformation and Visual Modelling Languages (GT-VMT'10), International Workshop on Interaction and Concurrency Experience (ICE'10) and the 14th Workshop on Model Checking Software (SPIN '07). Reviewer for international journals and events including top-level conferences like POPL.

## Education and Training

May 2004	<b>School</b> on Foundations of Visual Modelling Techniques by the European Research Training Network SEGRAVIS held at the international research center <i>Schloss Dagstuhl</i> in Germany.
Aug 1999 - Jun 2003	<b>Ph.D.</b> on formal methods and artificial intelligence for communication systems at the Albert-Ludwigs-Universität in Freiburg (Germany), partially granted by the <i>Deutsche Forschung Gemeinschaft</i> (German Research Foundation).
Thesis title	Directed Search for the Verification of Communication Protocols.
Level achieved	<i>Sehr gut</i> (Optimal).
Academic year 1998/1999	European Community <b>Socrates/Erasmus grant</b> hosted at the Albert-Ludwigs-Universität in Freiburg (Germany).
1994 - 1999	<i>Ingeniero en Informática</i> ( <b>Master of Science in Computer Science Engineering</b> ) at the University of the Basque Country (Spain).
Thesis title	Analysis of Transport Protocols in Hybrid Networks.
Level achieved	Thesis Performance: 10/10 <i>Matrícula de Honor</i> . Average performance: 8,11/10. Awarded prize by the <i>Kutxa</i> bank at San Sebastián (Spain) for best final average performance in <i>Ingeniero en Informática</i> at the University of the Basque Country (Spain).
1994	<b>High School Graduation</b> at the <i>Deutsche Schule San Alberto Magno</i> at San Sebastián (Spain).
1987 - 1993	<b>Computer programming courses</b> at the <i>Colegio Católico Santa María</i> at San Sebastián (Spain).

## Selected Software Projects

ADR	Architectural Design Rewriting (ADR) is a research approach for the design of re-configurable software systems, conceived in the spirit of conciliating software architectures and process calculi by means of graphical methods. It has been <b>applied to service oriented high-level modelling languages and process calculi</b> . The tool support of ADR is currently under development, strongly based on based the Maude language and engine. A first prototypical version has been presented at an international workshop and is available for download at <a href="http://www.albertolluch.com/adr/">www.albertolluch.com/adr/</a> .
HSF-SPIN	HSF-SPIN is an experimental model checker that can be seen as an extension of the SPIN <b>model checker with artificial intelligence</b> techniques. The tool implements various heuristics and algorithms to guide automated verification of a software model towards bugs. In some cases, it is able to find shorter bug traces and to explore larger models than the original SPIN. The tool has been used to support results presented at various international journals and events and is available for download at <a href="http://www.albertolluch.com/research/tools">www.albertolluch.com/research/tools</a> .
AAM	AAM is an industrial software application that supports <b>straight-to-processing of interbank financial communications</b> . Incoming communications (mainly fund transfers) coming from various sources and in heterogeneous formats (like those of the Society for Worldwide Interbank Financial Telecommunication) are uniformly introduced into the bank database system, offering a transparent view to banking operators. The application runs in Italian headquarters of various National and International banks (names omitted to guarantee privacy) running software of the Cabel Group ( <a href="http://www.cabel.it">www.cabel.it</a> ).

## Personal Skills and Competences

Mother tongue(s)	Spanish.
Other language(s)	Italian (very good), English (good), German (good).
Computer skills and competences	Languages experienced: Ada, Alloy, Assembly, Basic/Visual Basic, C/C++, CGI, Cobol, Java, JavaScript, HTML, Lisp, Maude, Pascal, PHP, Prolog, ILE RPG, SQL, TCL/TK, UML, XML and others; User-, system- and development-level experience with the operating systems Unix/Linux, Mac, Windows, iSeries (AS/400).

## Additional Information

Volunteering	Volunteering at the <i>ARCA onlus (Associazione Amici Animali e Ambiente)</i> at Empoli from February 2005 until July 2006.
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## Publications

### Journals (to appear)

- J6 Roberto Bruni, Fabio Gadducci, Alberto Lluch Lafuente, "An Algebra of Hierarchical Graphs and its Application to Structural Encoding", *Scientific Annals of Computer Science*.

### Journals

- J5 Dragan Bošnački, Stefan Leue, Alberto Lluch Lafuente, "Partial-Order Reduction for General State Exploring Algorithms", *International Journal on Software Tools for Technology Transfer (STTT)*, ISSN 1433-2779, Volume 11, Number 1, pages 39-51, February 2009.
- J4 Roberto Bruni, Alberto Lluch Lafuente, Ugo Montanari, Emilio Tuosto, "Style-Based Architectural Reconfigurations", *Bulletin of the European Association on Theoretical Computer Science (EATCS)*, Number 94, pages 161-180, February 2008.
- J3 Alberto Lluch Lafuente, Ugo Montanari, "Quantitative mu-calculus and CTL defined over Constraint Semirings", *special issue on Quantitative Aspects of Programming Languages of the International Journal on Theoretical Computer Science (TCS)*, ISSN 0304-3975, Volume 346, Issue 1, pages 135-160, November 2005.
- J2 Stefan Edelkamp, Stefan Leue, Alberto Lluch Lafuente, "Partial-Order Reduction and Trail Improvement in Directed Model Checking", *International Journal on Software Tools for Technology Transfer (STTT)*, ISSN 1433-2779, Volume 6, Number 4, pages 277-301, August 2004.
- J1 Stefan Edelkamp, Stefan Leue and Alberto Lluch Lafuente, "Directed Explicit-State Model Checking in the Validation of Communication Protocols", *International Journal on Software and Tools for Technology Transfer (STTT)*, ISSN 1433-2779, Volume 5, Numbers 2-3, pages 247-267, March 2004.

### Events (to appear)

- E26 Artur Boronat, Roberto Bruni, Alberto Lluch Lafuente, Ugo Montanari, Generoso Paolillo, "Exploiting the hierarchical structure of rule-based specifications for decision planning", *International Conference on Formal Techniques for Distributed Systems (FMOODS/FORTEO10)*.
- E25 Roberto Bruni, Fabio Gadducci, Alberto Lluch Lafuente, "An Algebra of Hierarchical Graphs", *5th Symposium on Trustworthy Global Computing (TGC'10)*.
- E24 Roberto Bruni, Fabio Gadducci, Alberto Lluch Lafuente, "A Graph Syntax for Processes and Services", *9th International Workshop on Web Services and Formal Methods (WS-FM'09)*.
- E23 Antonio Bucchiarone, Alberto Lluch Lafuente, Annapaola Marconi, Marco Pistore, "A formalisation of Adaptable Pervasive Flows", *9th International Workshop on Web Services and Formal Methods (WS-FM'09)*.

### Events

- E22 Martin Wirsing, Ugo Montanari, Roberto Bruni, Matthias Hözl, Nora Koch, Alberto Lluch Lafuente, Philip Mayer, and Andreas Schroeder, "A service-oriented UML profile with formal support", *7th International joint Conference on Service Oriented Computing ICSOC/ServiceWave 2009*.
- E21 Andrea Bracciali, Roberto Bruni, Alberto Lluch Lafuente, "On Symbolic Semantics for Name-decorated Contexts", *Proceedings of the 1st Interaction and Concurrency Experience (ICE'08)*, *Elsevier Electronic Notes in Theoretical Computer Science, Volume 229, Issue 3, Issue 22, ISSN 0304-3975, 2009*.
- E20 Roberto Bruni, Alberto Lluch Lafuente, Ugo Montanari, "Hierarchical Design Rewriting with Maude", *Proceedings of the 7th International Workshop on Rewriting Logic and its Applications (WRLA'08)*, *Elsevier Electronic Notes in Theoretical Computer Science, Volume 238, Issue 3, ISSN 0304-3975, 2009*.
- E19 Roberto Bruni, Alberto Lluch Lafuente, Ugo Montanari, Emilio Tuosto, "Service Oriented Architectural Design", *Proceedings of the 3rd International Symposium on Trustworthy Global Computing (TGC'07)*, *Springer Lecture Notes in Computer Science, Volume 4912, ISBN 978-3-540-78662-7, 2008*.
- E18 Fabio Gadducci, Alberto Lluch Lafuente, "Graphical Encoding of a Spatial Logic for the pi-calculus", *Proceedings of the 2nd Conference on Algebra and Coalgebra in Computer Science (CALCO'07)*, *Springer Lecture Notes on Computer Science, Volume 4624, ISBN 978-3-540-73857-2, 2007*.

- E17 Alberto Lluch Lafuente, "Towards Model Checking Spatial Properties with SPIN", *Proceedings of the 14th International SPIN Workshop on Model Checking Software (SPIN'07)*, Springer Lecture Notes on Computer Science, Volume 4595, ISBN 978-3-540-73857-2, 2007.
- E16 Paolo Baldan, Andrea Corradini, Barbara König, Alberto Lluch Lafuente, "A Temporal Graph Logic for Abstractions of Graph Rewriting Systems", *Proceedings of the 18th International Workshop on Algebraic Development Techniques (WADT'06)*, Springer Lecture Notes in Computer Science, Volume 4409, ISBN 978-3-540-73369-0, 2007.
- E15 Stefan Edelkamp, Shahid Jabbar, Alberto Lluch Lafuente, "Heuristic Search for the Analysis of Graph Transition Systems", *Proceedings of the 3rd International Conference on Graph Transformation (ICGT'06)*, Springer Lecture Notes in Computer Science, Volume 4178, ISBN 978-3-540-71997-7, 2006.
- E14 Dragan Bošnački, Stefan Leue, Alberto Lluch Lafuente, "Partial-Order Reduction for General State Exploring Algorithms", *Proceedings of the 13th International SPIN Workshop on Model Checking Software (SPIN'06)*, Springer Lecture Notes on Computer Science, Volume 3925, ISBN 978-3540331025, 2006.
- E13 Dan Hirsch, Alberto Lluch Lafuente, Emilio Tuosto, "A Logic for Application Level QoS", *Proceedings of the 3rd Workshop on Quantitative Aspects of Programming Languages (QAPL'05)*, Elsevier Electronic Notes on Theoretical Computer Science, Volume 5, Issue 2, ISSN 0304-3975, 2005.
- E12 Fabio Gadducci, Alberto Lluch Lafuente, "Graphical Verification of a Spatial Logic for the pi-calculus", *Proceedings of the 1st Workshop on Graph Transformation for Verification and Concurrency (GTVC'05)*, Elsevier Electronic Notes in Theoretical Computer Science, Volume 142, ISSN 0304-3975, 2005.
- E11 Gianluigi Ferrari, Alberto Lluch Lafuente, "A Logic for Graphs with QoS", *Proceedings of the 1st Workshop on Views On Designing Complex Architectures (VODCA'04)*, Elsevier Electronic Notes in Theoretical Computer Science, Volume 142, ISSN 0304-3975, 2006.
- E10 Stefan Edelkamp, Shahid Jabbar, Alberto Lluch Lafuente, "Cost-Algebraic Heuristic Search", *Proceedings of the 20th National Conference on Artificial Intelligence (AAAI'05)*, ISBN 978-1-57735-236-5, AAAI Press / The MIT Press, 2005.
- E9 Stefan Edelkamp, Shahid Jabbar, Alberto Lluch Lafuente, "Action Planning for Graph Transition Systems", *Proceedings of the 1st ICAPS Workshop on Verification and Validation of Model-Based Planning and Scheduling Systems (VVPS'05)*, AAAI Press, 2005.
- E8 Javier Rubio-Loyola, Joan Serrat, Marinos Charalambides, Paris Flegkas, Georgu Pavlou, Alberto Lluch Lafuente, "Using Linear Temporal Logic for Goal-Oriented Policy Refinement Frameworks", *Proceedings of the 6th IEEE Workshop on Policies for Distributed Systems and Networks (POLICY'05)*, ISBN 0-7695-2265-3, IEEE Computer Society, 2005.
- E7 Alberto Lluch Lafuente, Ugo Montanari, "Quantitative mu-calculus and CTL based on Constraint Semirings", *Proceedings of the 2nd Workshop on Quantitative Aspects of Programming Languages (QAPL'04)*, Elsevier Electronic Notes on Theoretical Computer Science, Volume 112, ISSN 0304-3975, 2005.
- E6 Stefan Edelkamp, Alberto Lluch Lafuente, "Abstraction Databases", *Proceedings of the 1st ICAPS Workshop on Connecting Planning Theory with Practice*, AAAI Press, 2004.
- E5 Alberto Lluch Lafuente, "Symmetry Reduction and Heuristic Search for Error Detection in Model Checking", *Proceedings of the 2nd Workshop on Model Checking and Artificial Intelligence (MOCHART'03)*, AAAI Press, 2003.
- E4 Alberto Lluch Lafuente, Stefan Leue and Stefan Edelkamp, "Partial Order Reduction in Directed Model Checking", *Proceedings of the 9th International SPIN Workshop on Model Checking Software (SPIN'02)*, Springer Lecture Notes on Computer Science, Volume 2318, ISBN 3-540-43477-1, 2002.
- E3 Stefan Edelkamp, Alberto Lluch Lafuente and Stefan Leue, "Trail-Directed Model Checking", *Proceedings of the 1st Workshop on Software Model Checking (SOFTMC'01)*, Elsevier Electronic Notes on Theoretical Computer Science, Volume 55, Number 3, ISSN 0304-3975, 2001.
- E2 Stefan Edelkamp, Alberto Lluch Lafuente and Stefan Leue, "Directed Explicit Model Checking with HSF-SPIN", *Proceedings of the 8th International SPIN Workshop on Model Checking Software (SPIN'01)*, Springer Lecture Notes on Computer Science, Volume 2057, ISBN 3-540-42124-6, 2001.
- E1 Stefan Edelkamp, Alberto Lluch Lafuente and Stefan Leue, "Protocol Verification with Heuristic Search", *Proceedings of the AAAI Spring Symposium on Model-Based Validation of Intelligence*, ISBN 1-57735-132-0, 2001.

### Book Chapters

- C3 Roberto Bruni, Fabio Gadducci, Andrea Corradini, Alberto Lluch Lafuente, Ugo Montanari “Hierarchical models for service-oriented systems”, *Rigorous Software Engineering for Service-Oriented Systems – Results of the SENSORIA project on Software Engineering for Service-Oriented Computing*, Springer Lecture Notes in Computer Science, 2010.
- C2 Roberto Bruni, Howard Foster, Alberto Lluch Lafuente, Ugo Montanari, Emilio Tuosto “A formal support to business and architectural design for service-oriented systems”, *Rigorous Software Engineering for Service-Oriented Systems – Results of the SENSORIA project on Software Engineering for Service-Oriented Computing*, Springer Lecture Notes in Computer Science, 2010.
- C1 Roberto Bruni, Antonio Bucchiarone, Stefania Gnesi, Dan Hirsch, Alberto Lluch Lafuente, “Graph-Based Design and Analysis of Dynamic Software Architectures”, *Concurrency, Graphs and Models. Essays Dedicated to Ugo Montanari on the Occasion of His 65th Birthday*, Springer Lecture Notes in Computer Science, Volume 6065, ISBN 978-3-540-68676-7, 2008.

### Position Papers

- P3 Alberto Lluch Lafuente, “Specification and Analysis with Hierarchical Graphs”, *Proceedings of the Dagstuhl Seminar on Graph Search Engineering*, Schloss Dagstuhl Proceedings, 2009.
- P2 Roberto Bruni, Alberto Lluch Lafuente, “Ten virtues of structured graphs”, *Proceedings of the Eighth International Workshop on Graph Transformation and Visual Modeling Techniques (GT-VMT 2009)*, Electronic Communications of the EASST. 2009.
- P1 Roberto Bruni, Alberto Lluch Lafuente, Ugo Montanari, Emilio Tuosto, “Architectural Design Rewriting as an Architecture Description Language”, Position paper at the *The Rise and Rise of the Declarative Datacentre research meeting*, Microsoft Research Cambridge, 2008.

### Thesis

- T2 Alberto Lluch Lafuente, “Directed Search for the Verification of Communication Protocols”, PhD Thesis, *Freiburger Dokument Server, Institute of Computer Science, University of Freiburg*, June 2003.
- T1 Alberto Lluch Lafuente, “Analysis of Transport Protocols in Hybrid Networks”, Master Thesis, *Instituto de Informática, Universidad del País Vasco*, June 1999.

### Technical Reports

- R7 Roberto Bruni, Alberto Lluch Lafuente, Ugo Montanari, Emilio Tuosto, “Style-Based Architectural Reconfigurations”, *Technical Report TR-07-17, Dipartimento di Informatica, Università di Pisa*, 2007.
- R6 Dragan Bošnački, Stefan Leue, Alberto Lluch Lafuente, “Partial-Order Reduction for General State Exploring Algorithms”, *Technical Report soft-05-02, Chair for Software Engineering, University of Konstanz*, 2005.
- R5 Stefan Edelkamp, Alberto Lluch Lafuente, “Abstraction Databases”, *Technical Report 196, Institut für Informatik, Universität Freiburg*, 2004.
- R4 Alberto Lluch Lafuente, “First Attempts to Combine Symmetry Reduction and Heuristic Search for Error Detection”, *Technical Report 184, Institut für Informatik, Universität Freiburg*, 2003.
- R3 Alberto Lluch Lafuente, “Simplified Distributed LTL Model Checking by Localizing Cycles”, *Technical Report 176, Institut für Informatik Universität Freiburg*, 2002.
- R2 Alberto Lluch Lafuente, Stefan Edelkamp, Stefan Leue “Partial Order Reduction in Directed Model Checking”, *Technical Report 162, Institut für Informatik, Universität Freiburg*, 2001.
- R1 Alberto Lluch Lafuente, Stefan Edelkamp, Stefan Leue “Directed Explicit-State Model Checking in the Validation of Communication Protocols”, *Technical Report 161, Institut für Informatik, Universität Freiburg*, 2001.

### Project Deliverables

- D5 Roberto Bruni, Alberto Lluch Lafuente, Ugo Montanari, Daniele Terreni, “Hierarchical graph models of extended core calculi”, *Sensoria Deliverable D5a*, 2008.
- D4 Laura Bocchi, José Luiz Fiadeiro, Alessandro Lapadula, Alberto Lluch Lafuente, Rosario Pugliese, Francesco Tiezzi, “From Architectural to Behavioural Specifications”, *Sensoria Thematic Deliverable Th01.b*, 2008.

- D3 | Laura Bocchi, Carlo Montanero, Nora Koch, Philip Mayer, Andreas Schroeder, Laura Semini, José Luis Fiadeiro, Antonia Lopes, Roberto Bruni, Alberto Lluch Lafuente, Alessandro Lapadula, Rosario Pugliese, Francesco Tiezzi, Ivan Lanese, Carlo Guidi and Gianluigi Zavattaro, "Relationship Among Case Studies and Theme 1 Results", *Sensoria Deliverable D8.5*, 2008.
- D2 | Alberto Lluch Lafuente, Laura Bocchi, Roberto Bruni, José Luis Fiadeiro, Antonia Lopes, Ugo Montanari, Birna van Riemsdijk, Emilio Tuosto, Martin Wirsing. "Requirements for Automated Reconfiguration and Specification of Policy Run-time Support", *Sensoria Deliverable D5.3.b*, 2007.
- D1 | Roberto Bruni, Alberto Lluch Lafuente, Ugo Montanari, Gianluigi Zavattaro, "Advanced Calculi for Services", *Sensoria Thematic Deliverable Th02.a*, 2007.

## Reviews

MKP	Book by Morgan Kaufmann Publishers (Elsevier).
DKE	International Journal on Data & Knowledge Engineering, 2009, Elsevier.
STTT	International Journal on Software Tools for Technology Transfer, 2009, Springer Verlag.
TSE	The IEEE Transactions on Software Engineering, 2010, IEEE.
DEVS	Symposium on Theory of Modeling & Simulation, 2010, SCS.
ESOP	European Symposium on Programming, 2009, Springer Verlag.
ICTAC	International Colloquium on Theoretical Aspects of Computing, 2009, Springer Verlag.
IJCAI	International Joint Conferences on Artificial Intelligence, 2009, AAAI Press.
ATPN	International Conference on Application and Theory of Petri Nets and Other Models of Concurrency, 2009, 2010, Springer Verlag.
FSEN	International Conference on Fundamentals of Software Engineering, 2009, Springer Verlag.
FOSSACS	International Conference on Foundations of Software Science and Computation Structures, 2009, Springer Verlag.
SAC	Annual ACM Symposium on Applied Computing, 2009, 2010, ACM Press.
POPL	International Symposium on Principles of Programming Languages, 2009, ACM Press.
SOFSEM	International Conference on Current Trends in Theory and Practice of Computer Science, 2009, Springer.
WADT	International Workshop on Algebraic Development Techniques, 2008, Springer.
RULE	International Workshop on Rule-Based Programming, 2008, Elsevier.
FEST	Festschrift volume <i>Concurrency, Graphs and Models. Essays Dedicated to Ugo Montanari on the Occasion of His 65th Birthday</i> , 2008, Springer Verlag.
ICGT	International Conference on Graph Transformation, 2008, 2010, Springer Verlag.
AMAST	International Conference on Algebraic Methodology and Software Technology, 2008, Springer Verlag.
LDTA	8th Workshop on Language Description, Tools and Applications, 2008, Elsevier.
TGC	International Symposium on Trustworthy Global Computing, 2007, 2010, Springer Verlag.
CALCO	International Conference on Algebras and Coalgebras, 2007, 2009, Springer Verlag.
FI	International Journal Fundamenta Informaticae, 2006, IOS Press.
CONCUR	International Conference on Concurrency Theory, 2006, 2007, 2008, Springer Verlag.
SPIN	International Spin Workshop on Software Model Checking, 2005-07, Springer Verlag.
COORDINATION	International Conference on Coordination Models and Languages, 2005, 2008, Springer Verlag.
TCS	Theoretical Computer Science Journal, special issue on Quantitative Aspects of Programming Languages, 2005, Elsevier.
SOSYM	Software and System Modeling Journal, special section on Graph Transformation and Visual Modeling Techniques, 2004, Springer Verlag.
FORTE	International Conference on Formal Techniques for Networked and Distributed Systems, 2002, Springer Verlag.
TERMGRAPH	International Workshop on Computing with Terms and Graphs, 2009, Elsevier.
SOS	International Workshop on Structural Operational Semantics, 2009, EPTCS.
SECCO	International Workshop on Security Issues in Concurrency, 2009, EPTCS.
WSFM	International Workshop on Web Services and Formal Methods, 2009, Springer Verlag.
WRLA	International Workshop on Rewriting Logic and its Applications, 2010, Elsevier.
GTVMT	International Workshop on Graph Transformation and Visual Modelling Languages, 2010, ECEAST.
ICE	International Workshop on Interaction and Concurrency Experience, 2010, EPTCS.