

DILETTA ROMANA CACCIAGRANO

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- **Current Position:** Assistant Professor at the Computer Science Division - School of Science and Technology - University of Camerino (UNICAM)

EDUCATION AND DEGREES

05/1991 Conservatorio "A.Casella", L'Aquila
Conservatorium Diploma in Piano and Solfeggio Practice (with the highest marks)

07/1993 Liceo Scientifico "C.Jucci", Rieti
High school Degree (60/60)

07/1999 University of L'Aquila, L'Aquila
Laurea (MSc) in Computer Science (Summa cum Laude)

- Thesis: "Comunicazione Sincrona ed Asincrona nei Linguaggi Concorrenti e Distribuiti" (Supervisor: Prof. Flavio Corradini, University of L'Aquila).

02/2004 University "La Sapienza" of Rome, Rome
Ph.D in Computer Science (XV cycle)

- Thesis: "On Synchronous and Asynchronous Communication: Some Expressiveness Results" (Supervisor: Prof. Flavio Corradini, University of L'Aquila).

FOREIGN LANGUAGES

- *English* (Very good knowledge).
- *French* (Good knowledge).

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

- Pascal, C, Java, Visual Basic.
- Networking programming: C language on Unix/Linux Systems.

OPERATING SYSTEMS

- Unix (user interface/programming).
- Linux (user interface/programming).
- Windows 2000/XP (user interface/programming).

DATA BASE MANAGEMENT SYSTEMS

- Database design and development.

SCIENTIFIC INTERESTS

- Specification, analysis and verification of concurrent and mobile systems:
Untimed and timed process algebras (CCS, CSP, Pi-Calculus, Ambient Calculus, TCCS).
- Specification, analysis and verification of biological systems:
Spatial process algebras (3Pi, SpacePi, Shape Calculus).
- Agent Technology:
Agent-oriented middleware for distributed architectures.
- Specification, analysis and verification of Web Services:
Client-Server conversation protocols (WSDL, WSCL, WS-CDL, WSCI, WS-BPEL, Guarded Automata, Attribute Grammars).
- Knowledge Representation and Management:
Semantic Web, Ontology, Workflow, Business Process (OWL-DL, RuleML, SKOS, WSMO, WSDL-S, OWL-S, SAWSDL, XPDL, BPMN).

1999 - 2000 Parco Scientifico e Tecnologico d'Abruzzo, L'Aquila, Italy

- Co.Co.Co.

Topic: Database design for a dynamic web portal – Regional Project promoting tourism in Parco Sirente-Velino.

1999 - 2003 University of L'Aquila, L'Aquila, Italy

- PhD in Computer Science.

Topic: Formal methods, analysis and verification of concurrent and mobile systems: communication expressiveness in concurrent systems with name mobility.

03/2002 - 07/2002 Pennstate University, State College, PA, USA

- Visiting researcher.

Topic: Formal methods, analysis and verification of concurrent and mobile systems: communication expressiveness (synchrony vs asynchrony).

From 2004 University of Camerino, Camerino, Italy

- Assistant professor (RTD).

Topic:

- Specification, analysis and verification of concurrent and mobile systems.
- Specification, analysis and verification of biological systems.
- Agent Technology.
- Specification, analysis and verification of Web Services.
- Knowledge Representation and Management.

09/2005 - 11/2005 Ecole Polytechnique, Paris, France

- Visiting researcher.

Topic: Formal methods, analysis and verification of concurrent and mobile systems: communication expressiveness (synchrony vs asynchrony).

09/2006 - 11/2006 Ecole Polytechnique, Paris, France

- Visiting researcher.

Topic: Formal methods, analysis and verification of concurrent and mobile systems: fairness in concurrent and mobile systems.

10/2007 - 12/2007 Ecole Polytechnique, Paris, France

- Visiting researcher.

Topic: Formal methods, analysis and verification of concurrent and mobile systems: linearity vs persistence of Web resources.

10/2008 - 12/2008 Ecole Polytechnique, Paris, France

- Visiting researcher.

Topic: Formal methods, analysis and verification of concurrent and mobile systems: linearity vs persistence of Web resources.

- AA. 2001 - 02 University of L'Aquila, L'Aquila, Italy**
- Course of "Computer Science Laboratory"
(5 ETCS, Undergraduate Degree in Computer Science).
- AA. 2001 - 02 University of Camerino, Camerino, Italy**
- Course of "Operating Systems"
(5 ETCS, Undergraduate Degree in Computer Science).
 - Course of "Operating Systems Laboratory"
(5 ETCS, Undergraduate Degree in Computer Science).
- AA. 2002 - 03 University of Camerino, Camerino, Italy**
- Course of "Operating Systems"
(9 ETCS, Undergraduate Degree in Computer Science).
 - Course of "Operating Systems Laboratory"
(3 ETCS, Undergraduate Degree in Computer Science).
- AA. 2003 - 04 University of Camerino, Camerino, Italy**
- Course of "Operating Systems"
(9 ETCS, Undergraduate Degree in Computer Science).
- AA. 2004 - 05 University of Camerino, Camerino, Italy**
- Course of "Operating Systems"
(6 ETCS, Undergraduate Degree in Computer Science).
 - Course of "Operating Systems Laboratory"
(6 ETCS, Undergraduate Degree in Computer Science).
- AA. 2005 - 06 University of Camerino, Camerino, Italy**
- Course of "Operating Systems"
(6 ETCS, Undergraduate Degree in Computer Science).
 - Course of "Operating Systems Laboratory"
(6 ETCS, Undergraduate Degree in Computer Science).
- 06/2005 UNICAM-Macerata Hospital, Macerata, Italy**
- Master "Analisi ed Elaborazione di Immagini Biomediche". Module of "JAVA Programming".
- 06/2006 UNICAM-Macerata Hospital, Macerata, Italy**
- Master of "Analisi ed Elaborazione di Immagini Biomediche". Module: "JAVA Programming".
- AA. 2006 - 07 University of Camerino, Camerino, Italy**
- Course of "Operating Systems"
(6 ETCS, Undergraduate Degree in Computer Science).
 - Course of "Operating Systems Laboratory"
(6 ETCS, Undergraduate Degree in Computer Science).

- AA. 2007 - 08 University of Camerino, Camerino, Italy**
- Course of “Operating Systems + Operating System Laboratory” (12 ETCS, Undergraduate Degree in Computer Science).
- AA. 2008 - 09 University of Camerino, Camerino, Italy**
- Course of “Operating Systems + Operating System Laboratory” (12 ETCS, Undergraduate Degree in Computer Science).
- 06/2009 UNICAM-ITIS Marconi, Jesi, Italy**
- IFTS Course of “Tecnico dell'ICT: tecnico superiore per la comunicazione ed il multimedia”. Module of “Operating Systems”.
- 09/2009 UNICAM-ITIS Volterra, Ancona, Italy**
- IFTS Course of “Tecnico superiore per la supervisione ed il collaudo degli impianti elettrici e di automazione della nautica da diporto”. Module of “Cenni introduttivi di Domotica”.
- AA. 2009 - 10 University of Camerino, Camerino, Italy**
- Course of “Operating Systems + Operating System Laboratory” (12 ETCS, Undergraduate Degree in Computer Science).
 - Course of “System Verification and Validation”. Module of “Mobile System Verification”. (4 of 12 ETCS, Master of Science Degree in Computer Science).
- AA. 2010 - 11 University of Camerino, Camerino, Italy**
- Course “Operating Systems + Operating System Laboratory” (12 ETCS, Undergraduate Degree in Computer Science).
- AA. 2011 - 12 University of Camerino, Camerino, Italy**
- Course of “Foundations of Computer Science” (6 ETCS, Undergraduate Degree in Computer Science).
 - Course of “Operating Systems + Operating System Laboratory” (12 ETCS, Undergraduate Degree in Computer Science).

INSTITUTIONAL ACTIVITY

- From AA. 2006 - 07 University of Camerino, Camerino, Italy**
- Student Advisory Service UNICAM Delegate for the M.Sc. Degree Course in Computer Science (23S and LM-18).
- From AA. 2010 - 11 University of Camerino, Camerino, Italy**
- RDC member in JADE (FP7 project): Joining innovative Approaches for the integration and Development of transnational knowledge of clusters policies related to independent of Elderly.

INTERNATIONAL CONFERENCES AND WORKSHOPS

- ICTCS 2003: The 8th Italian Conference on Theoretical Computer Science, University Center Bertinoro, Italy, 13-15/10/2003.
- ARTS 2004: The 6th AMAST Workshop on Real-Time Systems, University of Stirling, Stirling, Scotland, 12/07/2004.
- FORMATS 2004: Formal Modelling and Analysis of Timed Systems, Grenoble, France, 22-24/09/2004.
- FTRTFT 2004: Formal Techniques in Real-Time and Fault Tolerant System, Grenoble, France, 22-24/09/2004.
- CONCUR 2006: The 17th International Conference on Concurrency Theory, Universitat Bonn, Bonn, Germany, 27-30/08/2006.
- LICS 2006: The 31st Annual IEEE Symposium on Logic in Computer Science, Seattle, Washington, USA, 12-15/2006.
- FOSSACS 2006: Foundations of Software Science and Computation Structures, Vienna, Austria, 27-31/03/2006.
- FOSSACS 2007: Foundations of Software Science and Computational Structures, Braga, Portugal, 24/03/2007-01/04/2007.
- FCT 2007: The 16th International Symposium on Fundamentals of Computation Theory, Budapest, Hungary, 27-30/08/2007.
- FORMATS 2008: Formal Modelling and Analysis of Timed Systems, Saint-Malo, France, 15-17/09/2008.
- SEFM 2008: The 6th IEEE International Conferences on Software Engineering and Formal Methods, Cape Town, South Africa 10-14/11/2008.
- FM 2009: The 16th International Symposium on Formal Methods Eindhoven, the Netherlands, 02-06/11/2009.
- METTEG 2009: The 3rd International Conference on Methodologies, Technologies and Tools enabling e-Government, Vigo, Spain, 28-29/09/2009.
- TAMC 2009: The 6th Annual Conference on Theory and Applications of Models of Computation, ChangSha, P.R. China, 18-22/05/2009.
- STACS 2009: The 26th International Symposium on Theoretical Aspects of Computer Science, University of Freiburg, Freiburg, German, 26-28/02/2009.
- ICNS 2010: the 6th International Conference on Networking and Services, Cancun, Mexico, 7-13 /03/2010.
- SEMAPRO 2010: the 3rd International Conference on Advances in Semantic Processing, Firenze, Italy, 25-30/10/2010.
- BIOTECHNO 2011: the 3rd International Conference on Advances in Biotechnologies, Venice/Mestre, Italy, 22-27/05/2011.

- ICNS 2011: the 7th International Conference on Networking and Services, Venice/Mestre, Italy, 22-27/05/2011.
- SEMAPRO 2011: the 4th International Conference on Advances in Semantic Processing, Lisbon, Portugal, 20-25/11/2011.
- ICONS 2011: the 6th Conference on Systems, St. Maarten, The Netherlands Antilles, 23-28/01/2011.
- ICNS 2012: the 8th International Conference on Networking and Services, St.Maarten, The Netherlands Antilles, 25-29/03/2010.
- ICONS 2012: the 7th Conference on Systems, Saint Gilles, Reunion Island, 29/02/2012-05/03/2012.
- SEMAPRO 2012: the 5th International Conference on Advances in Semantic Processing, Barcelona, Spain, 23-28/09/2012.

JOURNALS

- Theoretical Computer Science (ISSN: 0304-3975).
- Mathematical Structure in Computer Science (ISSN: 0960-1295).
- Logical Methods in Computer Science (ISSN: 1860-5974).
- The Journal of Logic and Algebraic Programming (ISSN: 1567-8326) .
- BMC Bioinformatics (ISSN: 1471-2105).
- Bioinformatics (ISSN: 1367-4803).
- International Journal On Advances in Intelligent Systems (ISSN: 1942-2679).
- International Journal On Advances in Networks and Services (ISSN: 1942-2644).
- International Journal On Advances in Systems and Measurements (ISSN: 1942-261x).

INTERNATIONAL CONFERENCES AND WORKSHOPS ATTENDED

- WSDAAL 2001: Workshop Sistemi Distribuiti - Algoritmi, Architetture e Linguaggi, Como, Italy, 10-12/09/2001.
- ICTCS'01: The 17th Italian Conference on Theoretical Computer Science, Turin, Italy, 4-6/10/2001.
- EXPRESS 2006: The 13th International Workshop on Expressiveness in Concurrency, Universitat Bonn, Bonn, Germany, 26/08/2006.
- WS-FM 2006: The 3rd International Workshop on Web Services and Formal Methods, Vienna, Austria, 08-09/09/2006.
- EXPRESS 2007: The 14th International Workshop on Expressiveness in Concurrency, Lisbon, Portugal, 03/09/2007.
- GridCOMP Conference - Technical Concertation Meeting, Sophia Antipolis, France, 20-23/10/2008.

- ICNS 2009: The 5th International Conference on Networking and Services, Valencia, Spain, 20-25/04/2009.
- ICCS 2010: International Conference on Computational Science, Amsterdam, The Netherlands, 31/05-02/06/2010.
- ACRI 2010: The 9th International Conference on Cellular Automata for Research and Industry, Ascoli Piceno, Italy, 21-24/09/2010.
- PHEALTH 2011: the 8th International Conference Wearable Micro and Macro Technologies for Personalised Health, Lyon, France, 29/06-01/07/2011.
- MeCBIC2011: The 5th Workshop on Membrane Computing and Biologically Inspired Process Calculi, Paris (Fontainebleau), France, 23/08/2011.
- AAL Forum 2011: AAL Joint Programme FORUM, Lecce, Italy, 26-28/09/2011.

PROGRAM COMMITTEE MEMBERSHIP

- ICNS 2010: the 6th International Conference on Networking and Services, Cancun, Mexico, 7-13 /03/2010.
- SEMAPRO 2010: the 3rd International Conference on Advances in Semantic Processing, Firenze, Italy, 25-30/10/2010.
- BIOTECHNO 2011: the 3rd International Conference on Advances in Biotechnologies, Venice/Mestre, Italy, 22-27/05/2011.
- ICNS 2011: the 7th International Conference on Networking and Services, Venice/Mestre, Italy, 22-27/05/2011.
- SEMAPRO 2011: the 4th International Conference on Advances in Semantic Processing, Lisbon, Portugal, 20-25/11/2011.
- ICONS 2011: the 6th Conference on Systems, St. Maarten, The Netherlands Antilles, 23-28/01/2011.
- ICNS 2012: the 8th International Conference on Networking and Services, St. Maarten, The Netherlands Antilles, 25-29/03/2010.
- ICONS 2012: the 7th Conference on Systems, Saint Gilles, Reunion Island, 29/02/2012-05/03/2012.
- SEMAPRO 2012: the 6th International Conference on Advances in Semantic Processing, Barcelona, Spain, 23-28/09/2012.

- *Laboratory for Interdisciplinary Technologies in Bioinformatics (LITBIO)*: Italian Investment Funds for Basic Research (FIRB) 2005-2010. Member of Unit of UNICAM.
- *Performability-Aware Computing: Logiche, Modelli e Linguaggi (PaCo)*: Italian Research Project of National Interest (PRIN) 2008-2010. Member of Unit of UNICAM.
- *Joining innovative Approaches for the integration and Development of transnational knowledge of clusters policies related to independent of Elderly (JADE)*: FP7-Capacities, 2011-2013. Member of Unit of UNICAM.

RESEARCH GROUP/LABORATORY PARTECIPATION AND COORDINATION

- Comète - Concurrency, Mobility and Transactions (INRIA, Joint project-team with Ecole Polytechnique and CNRS):
The research of the COMETE project-team focus on the theoretical foundations of concurrent and distributed languages. The project-team follows two main directions: the study, implementation and applications of the probabilistic pi-calculus, a variant of the pi-calculus, and the use of higher-order functional programming languages for distributed applications, in particular in the context of peer-to-peer systems.
- CoSy Lab - Complex Systems Laboratory (UNICAM):
During the last years, the Complex Systems (CoSy) research group acquired a considerable experience in the area of analysis, design, functional and non-functional requirements verification (also formal by mathematical tools), developing and validation of software systems of high complexity (distributed, mobile, real-time, efficient, secure and embedded). The main areas are: Formal and semi-formal methods for specification and verification of software systems; Workflow and middleware to support flexible workflow engine; Embedded and real-time systems; Computational System Biology.
- LuLab - Loccioni UNICAM Laboratory (Loccioni-UNICAM):
It is a laboratory born in 2006 through the collaboration between Camerino University and Loccioni Group. This laboratory has the aim to project and develop software solutions to solve new problems in the industrial domain.
- SMARThing Lab – The Laboratory of Smart thing computing (Coordination): The term “Smart thing computing” refers to the seamless integration of computing technology into our living and working environments. It is a multi-disciplinary approach of building assistive applications and systems in order to support human beings in their daily life routine with taking special care of age, abilities and context.

The scientific focus of the SMARThing Lab Research Group is on the application of ubiquitous, pervasive and cloud computing systems to realize interactive and context-sensitive environments. SMARThing Lab research takes into account a plethora of Ambient Intelligence scenario (creativity, education, healthcare, nutrition, residence, sport and working) and pivots on several research activities (Knowledge Representation and Management, Data Mining, Semantic Web, Virtual/Augmented/Mixed Reality, Sensor/Actuator/RFID networks, Wireless communication technologies and Ubiquitous /Pervasive/Cloud computing of networked smart objects), with the aim to process context-aware decision models, create an Internet of Things and realize interactive spaces in previously unknown ways for a plethora of living scenarios.

BOOK CONTRIBUTIONS

- D.Cacciagrano, F.Corradini, E.Merelli, “Bone Remodelling: a Complex Automata-based model running in BioShape”. In the Proc. of ACRI 2010 (the 9th International Conference on Cellular Automata for Research and Industry). LNCS, 6350, 116–127, ISBN: 978-3-642-15978-7 (2010)
- D.Cacciagrano, F.Corradini, R.Culmone, L.Vito, L.Tesei, “A Model-Prover for Constrained Dynamic Conversations”. In the Proc. of IIWAS’08 (the 10th International Conference on Information Integration and Web-based Applications & Services). ACM, ISBN: 978-1-60558-349-5, 630-633 (2008).
- D.Cacciagrano, F.Corradini, R.Culmone, L.Vito, “Dynamic Constraint-based Invocation of Web Services”. In the Proc. of WSFM’06 (the 3rd International Workshop on Web Services and Formal Methods). LNCS, 4184, 138-147, ISBN: 978-3-540-38862-3 (2006).
- D.Cacciagrano, F.Corradini, “Expressiveness of Timed Events and Timed Languages”. Invited Paper, Chapter of the book for SFM’04 (4th International School on Formal Methods for the Design of Computer, Communication and Software Systems: Real Time), 98-131, ISBN: 978-3-540-42672-1 (2004).
- D.Cacciagrano, F.Corradini, “On Synchronous and Asynchronous Communication Paradigms”. In the Proc. of ICTCS’01. LNCS, 2202, 256-268, ISBN: 978-3-540-38862-3 (2001).

JOURNAL CONTRIBUTIONS

- E.Bartocci, D.Cacciagrano, M.R. Di Berardini, E.Merelli, L.Vito, “UBioLab: a web-LABoratory for Ubiquitous in-silico experiments”. To appear on Journal of Integrative Bioinformatics, ISSN 1613-4516 (2012).
- D.Cacciagrano, M.R. Di Berardini, E.Merelli, L.Tesei, “Uniformity in multiscale models: from Complex Automata to BioShape”. To appear on Journal of Cellular Automata, ISSN: 1557-5997 (2012).
- F. Buti, D. Cacciagrano, F. Corradini, E. Merelli, L. Tesei, “A Uniform Multiscale Meta-model of BioShape”. In the Proc. of CS2Bio 2011 ENTCS - Electr. Notes Theor. Comput. Sci., 277, 15-27, ISSN: 1571-0661 (2011).
- D. Cacciagrano, F.Corradini, R. Culmone, E. Merelli, L. Tesei, L.Vito, “ACTIVAge: proACTIVE and self-adaptive social-sensor network for Ageing people”. ERCIM News 2011, 87, ISSN: 0926-4981 (2011).
- D.Cacciagrano, F.Corradini, E.Merelli, L.Tesei, “Multiscale Bone Remodelling with Spatial P Systems”. In the Proc. of MeCBIC 2010 (4th Workshop on Membrane Computing and Biologically Inspired Process Calculi). EPTCS - Electronic Proceedings in Theoretical Computer Science, 65 -80, ISSN: 2075-2180 (2010).

- F. Buti, D. Cacciagrano, F. Corradini, E. Merelli, L. Tesei, M. Pani, “Bone Remodelling in BioShape”. In the Proc. of CS2Bio 2010 (the 1st International Workshop on Interactions between Computer Science and Biology). ENTCS - Electronic Notes in Theoretical Computer Science, 268, 17-29, ISSN: 1571-0661 (2010).
- F. Buti, D. Cacciagrano, F. Corradini, E. Merelli, L. Tesei, “BioShape: a spatial shape-based scale-independent simulation environment for biological systems”. In the Proc. of the 7th International Workshop of Simulation of Multiphysics Multiscale Systems (in ICCS 2010). Procedia CS, 1(1), 827-835, ISSN: 1877-0509 (2010).
- E. Bartocci, D. Cacciagrano, M. R. Di Berardini, E. Merelli, L. Tesei, “Timed Operational Semantics and Well-formedness of Shape Calculus”. SACS - Scientific Annals of Computer Science, 20, 32-52, ISSN: 1843-8121 (2010).
- D. Cacciagrano, F. Corradini, C. Palamidessi, “Explicit Fairness in Testing Semantics”. LMCS - Logical Methods in Computer Science, ISSN: 1860-5974, CoRR abs/0904.2340 (2009).
- D. Cacciagrano, F. Corradini, J. Aranda, F. D. Valencia, “Persistence and Testing Semantics”. In the Proc. of Express’07. ENTCS - Electronic Notes in Theoretical Computer Science, 194(2), 59-84, ISSN: 1571-0661 (2008).
- D. Cacciagrano, F. Corradini, C. Palamidessi, “Fair Pi”. In the Proc. of Express’06. ENTCS - Electronic Notes in Theoretical Computer Science, 175(3), 3-26, ISSN: 1571-0661 (2007).
- D. Cacciagrano, F. Corradini, C. Palamidessi, “Separation of Synchronous and Asynchronous Communication via Testing”. TCS - Theoretical Computer Science, 386, 218–235, ISSN: 0304-3975 (2007).
- E. Bartocci, D. Cacciagrano, N. Cannata, F. Corradini, E. Merelli, L. Milanesi, P. Romano, “An Agent-based Multilayer Architecture for Bioinformatics Grids”. IEEE Transactions on Nanobioscience, 6(2), 142-148, ISSN: 1536-1241 (2007).
- D. Cacciagrano, F. Corradini, C. Palamidessi, “Separation of Synchronous and Asynchronous Communication via Testing”. In the Proc. of Express’05. ENTCS - Electronic Notes in Theoretical Computer Science, 154(3), 95-108, ISSN: 1571-0661 (2006).

PROCEEDING CONTRIBUTIONS

- D. Cacciagrano, E. Merelli, L. Vito, A. Sergiacomi, S. Carota, “Semantics on the Cloud: toward an Ubiquitous Business Intelligence 2.0 ERP Desktop”. To appear on the Proc. of SEMAPRO 2012 (2012).
- D. Cacciagrano, F. Corradini, R. Culmone, E. Merelli, L. Tesei, L. Vito, “Activage: proactive and self-adaptive social-sensor network for ageing people”. In the Proc. of Ambient Assisted Living Joint Programme (AAL Forum 2011) (2011).

- D.Cacciagrano, F. Corradini, R.Culmone, E.Merelli, L.Tesei, L.Vito, “A self-adaptive and personalized healthcare for elderly people”. In the Proc. of PHEALTH 2011 (the 8th International Conference Wearable Micro and Macro Technologies for Personalised Health) (2011).
- D.Cacciagrano, F.Corradini, R.Culmone, E.Merelli, L.Vito, “Healthcare tomorrow: toward self-adaptive, ubiquitous and personalized services”. In the Proc. of UBICOMM 2011 (the 5th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies). IEEE, 245-250 (2011).
- R. Barbuti, D. Cacciagrano, A.Maggiolo-Schettini, P. Milazzo, L. Tesei, “A Testing Framework for P Systems”. In the Proc. of MeCBIC 2011. CoRR abs/1108.3424 (2011).
- F. Buti, D. Cacciagrano, M. C. De Donato, F. Corradini, E. Merelli, L. Tesei, “BioShape: End-User Development for Simulating Biological Systems”. In the Proc. of IS-EUD 2011, 379-382 (2011).
- D.Cacciagrano, F.Corradini, E.Merelli, M. Viceconti “Reasoning on proximal model for multiscale spatial dynamics in Bone Remodelling”. In the Proc. of (the 1st Conference of) VPH (Virtual Physiological Human) 2010, 327-329 (2010).
- F.Buti, D.Cacciagrano, L.Tesei, “BioShape: a Uniform Multiscale Approach to Biological System Simulation”. In the Proc. of ICTCS 2010 (2010).
- E.Bartocci, D.Cacciagrano, F.Corradini, E.Merelli, L.Vito, “A Resourceome for the automation of in-silico biological experiments”. In the Proc. of BIOSYSCOM 2010 (the 1st International Conference on Computational and Systems Biology and Microbiology). IEEE, 70-75 (2010).
- D.Cacciagrano, F.Corradini, R.Culmone, “ResourceHome: an RFID-based architecture and a flexible model for ambient intelligence”. In the Proc. of ICONS 2010 (the 5th International Conference on Systems). IEEE, 6-11 (2010).
- D.Cacciagrano, F.Corradini, R.Culmone, L.Vito, “Constraint-based Dynamic Conversations”. In the Proc. of ICNS'09 (the 5th International Conference on Networking and Services). IEEE, 7-12 (2009).
- D. Cacciagrano, F. Corradini, E. Merelli, G. Romiti, L. Vito, “Resourceome: a Multilevel Model and a Semantic Web Tool for Managing Domain and Operational Knowledge”. In the Proc. of SEMAPRO'09 (the 3rd International Conference on Advances in Semantic Processing). IEEE, 38-43 (2009).
- E. Bartocci, D. Cacciagrano, N. Cannata, F. Corradini, E. Merelli, L. Milanesi, P. Romano, “A GRID-based multilayer architecture for bioinformatics”. In the Proc. of NETTAB'06 (the 6th International Workshop on Network Tools and Applications in Biology) (2006).
- D. Cacciagrano, F. Corradini, “Synchronous and Asynchronous Communication: Some Expressiveness Results”. In the Proc. of WSDAAL'01, Como (2001).