

PAOLA SPOLETINI

Curriculum Vitae

PERSONAL INFORMATION

Place of birth Vizzolo Predabissi (MI), Italy
Citizenship Italian
Address Via Soperga 8, 20127 Milano (MI)
Telefono +393492161026, +390236562047
e-mail paola.spoletini@uninsubria.it, paola.spoletini@gmail.com
Languages: Italian (native), English (fluent), French (elementary)
Web Page: <http://www.dista.uninsubria.it/~paola.spoletini/>

Current Positions

Since January 2008 Tenured Assistant Professor in Computer Science
(Ricercatore INF/01),
Department of Theoretical and Applied Sciences,
Università dell'Insubria, Varese, Italy.

Since 2005 Adjunct Professor
Politecnico di Milano, Italy.

EMPLOYMENT HISTORY

Oct 2006 - Dec 2007 Research Associate
Department of Computer Science and Engineering
Politecnico di Milano, Milan, Italy
Founded by FIRB Italian Project ARTDECÒ
Project leader: Prof. C. Ghezzi.

July 2005 - Sept 2006 Research Associate
Department of Mechanical Engineering
Politecnico di Milano, Milan, Italy
Founded by MIUR FIRB Italian Project "Software frameworks and technologies for the development and maintenance of open-source distributed simulation code, oriented to the manufacturing field."
Project supervisors: Prof. D. Mandrioli, Dr A. Matta.

Jan 2001 - May 2001 Graduate Research Assistant
Department of Electrical Engineering and Computer Science
University of Illinois at Chicago, USA
Supervisor: Prof. A. Khokhar.

Research Visits

Oct 2006 - Dec 2006 Visiting Researcher
Department of Computer Science
University of Bar Ilan, Ramat Gan, Israel
Mentor: Prof. D. Peled.

July 2004 - Nov 2004 Visiting Researcher
Department of Electrical Engineering and Computer Science
University of Illinois at Chicago, USA
Mentor: Prof. A. P. Sistla.

EDUCATION

Mar 2002- May 2005 PhD in Information Engineering
Politecnico di Milano, Milan, Italy
Thesis: Verification of Temporal Logic Specification via Model Checking
Advisor: Prof. P. San Pietro.

Sept 1996-Dec 2001 “Laurea” (5 year degree: bachelor and master) in Computer Engineering
Final mark: 100/100 cum laude
Thesis: Automatic Event-based Segmentation, Indexing and Retrieval of Audio Data: a Content-based Approach
Advisor: Prof. V. Piuri.

Mar 2000- May 2001 Master of Science in Electrical Engineering and Computer Science
University of Illinois at Chicago
Advisor: Prof. A. Khokhar.

Awards and Scholarship

2006 ESF AutoMathA project funding for 3 months as Visiting Researcher.

2002-2005 PhD Studentship.

2002 Bellisario Prize as best Italian female graduated in Information Engineering.

2001 Master Scholarship
University of Illinois at Chicago.

PROFESSIONAL QUALIFICATIONS

2009 Qualification de maître de conference,
French University system.

June 2002

Professional Qualification as Information Technology Engineering.

RESEARCH PROJECTS

- 2008-present* External technical contributor at "SMSCom - Self-Managing Situated Computing" project (ERC advanced grant - Prof. C. Ghezzi).
- 2006-2010* Technical contributor to the FIRB Project "ARTDECÒ - Adaptive infRasTructures for DECentralized Organizations".
- 2002-2006* Technical contributor to the MIUR-FIRB "Software frameworks and technologies for the development and maintenance of open-source distributed simulation code, oriented to the manufacturing field".
- 2002-2004* Technical contributor to the CNR project SP4 "Software Architectures for High Quality of Service for Global Computing on Cooperative Wide Area Networks".
- 2002-2003* Technical contributor to the ITEA European Project "UmsdL", Industrial Partners: Telelogic Technologies and Parvis.
- 2002-2003* Technical contributor to the MIUR Project "'Quack: piattaforma per la qualità di sistemi embedded integrati di nuova generazione".

PROFESSIONAL SERVICE

- Organizer in 2012 of the 13th Italian Conference on Theoretical Computer Science (ICTCS 2012), Varese, Italy.
- Co-founder of the International workshop "Interaction and Concurrency Experience".
- Co-organizer and co-chair in 2008 and 2009 of the 1st and the 2nd Interaction and Concurrency Experiences (respectively on Synchronous and Asynchronous Interactions and Structured Interactions) – co-located respectively with ICALP 2008 and CONCUR 2009. The first edition of the workshop was partially funded by the ESF AutoMathA project.
- Local organizer in 2008 of the ESF AutoMathA workshop "Developments and New Tracks of Trace Theory", October 2008, Cremona, Italy.
- Member of the program committee of the International Workshop on Quality Assurance for Service-based applications, co-located with ECOWS2011, and of the the 4th and the 3rd Interaction and Concurrency Experience (respectively on Reliable and Contract-based Interactions and Guaranteed Interactions), co-located respectively with DISCOTEC 2011 and DISCOTEC 2010.

- Reviewers for the following international conferences:
 - CIAA (International Conference on Implementation and Application of Automata)
 - FM (International Symposium on Formal Methods)
 - ICSE (International Conference on Software Engineering)
 - ICGT (International Conference on Graph Transformation)
 - ICALP (International Colloquium on Automata, Languages and Programming)
 - ASE (International Conference on Automated Software Engineering)
 - IEEE CDC-ECC (IEEE Conference on Decision and Control and European Control Conference)
 - FSE (International Symposium on the Foundations of Software Engineering)
- Reviewer for the following international journals:
 - IEEE Transactions on Computers
 - IEEE Transactions on Instrumentation and Measurement
 - Formal aspects of computing, Springer
 - Journal on Service Oriented Computing and Applications, Springer
 - Theoretical Computer Science
 - Journal of Systems and Software
 - Computing, Springer
 - Annals of Mathematics and Artificial Intelligence
 - ACM Transactions on Software Engineering and Methodology

PUBLICATIONS

International Journals

- [A1] E. Elkind, B. Genest, D. Peled, P. Spoletini.
Quantifying the discord: order discrepancies in message sequence charts.
 International Journal of Foundations of Computer Science, 21(2), pp 211-233, 2010.
- [A2] V. Rafe, A.T. Rahamani, L. Baresi, P. Spoletini.
Towards Automated Verification of Layered Graph Transformation Specifications.
 IET Software, vol 3(4), pp 276-291, 2009.
- [A3] A. Campi, S. Guinea, E. Damiani, S. Marrara, G. Pasi, P. Spoletini.
A fuzzy extension of the XPath query language.
 Journal of Intelligent Information Systems, Springer, 33(2), pp 285-305, 2009.
- [A4] S. Corbetta, M. Morandi, M. Novati, M. D. Santambrogio, D. Sciuto, P. Spoletini.
Internal and external bitstream relocation for partial dynamic reconfiguration.
 IEEE Transaction on Very Large Scale Integration (VLSI) Systems, 17(11), pp 1650-1654, 2009.

[A5] L. Baresi, D. Bianculli, C. Ghezzi, S. Guinea, P. Spoletini.
Validation of web service compositions.
IET Software, 1(6), 2007, pp 219-232.

[A6] D. Braga, A. CAMPI, S. Ceri, P. Spoletini. *XQuery layers*.
ACM Sigmod Record, 36(1), 2007.

Book chapters and edited proceedings

[B1] E. Di Nitto, D. Ardagna, L. Baresi, D. Bianculli, W. Binder, S. Guinea, R. Mirandola, P. Spoletini
Service-Oriented Software . . . and Carlo's Services
in "Matinée with Carlo Ghezzi: from Programming Languages to Software Engineering"
Editors: Domenico Bianculli, Mehdi Jazayeri, Mauro Pezzè
CreateSpace, 2012, pp 105-132, ISBN-10: 1477562389.

[B2] A. Bertolino, G. De Angelis, F. Di Giandomenico, E. Marcchetti, A. Sabetta, P. Spoletini
Verification and analysis of autonomic systems for networked enterprises
in "Methodologies and Technologies for Networked Enterprises"
Editors: G. Anastasi, E. Bellini, E. Di Nitto, C. Ghezzi, L. Tanca, E. Zimeo,
LNCS 7200, Springer, pp. 143-169, ISBN: 9783642317392.

[B3] E. Zimeo, V. Mazza, G. Orsi, E. Quintarelli, A. Romano, P. Spoletini, G. Tretola, A.
Amirante, A. Botta, L. Cavallaro, D. Consoli, E. Giallonardo, F. Maggi, G. Tiotto
Case study
in "Methodologies and Technologies for Networked Enterprises"
Editors: G. Anastasi, E. Bellini, E. Di Nitto, C. Ghezzi, L. Tanca, E. Zimeo
LNCS 7200, Springer, pp. 415-452, ISBN: 9783642317392.

[B4] F. Bonchi, D. Grohman, P. Spoletini, A. Troina, E. Tuosto.
Post-Proceedings di *2nd Interaction and Concurrency Experience - ICE 2009*.
Electronic Proceedings in Theoretical Computer Science, 2009.

[B5] F. Bonchi, D. Grohman, P. Spoletini, A. Troina, E. Tuosto.
Post-Proceedings di *1st Interaction and Concurrency Experience - ICE 2008*.
Electronic Notes in Theoretical Computer Science, 229(3), 2009.

[B6] D. Peled, P. Pelliccione, P. Spoletini. *Model checking*.
Wiley Encyclopedia of Computer Science and Engineering 6th Edition.
Online ISBN 978-0-470-05011-8 Print ISBN 978-0-471-38393-2, 2008.

[B7] D. Bianculli, C. Ghezzi, P. Spoletini, L. Baresi, S. Guinea.
A guided tour through SAVVY-WS: a methodology for specifying and validating web service compositions.
Advances in Software Engineering, Lecture Notes in Computer Science, 5316, pp 131-160., 2008.

International conferences and workshops

[C1] C. Ghezzi, L. Sales, P. Spoletini, G. Tamburerlli.
Managing Non-Functional Uncertainty via Model-Driven Adaptivity.
Accepted for publication in Proceedings of the 35th IEEE and ACM SIGSOFT International
Conference on Software Engineering (ICSE 2013), 2013.

- [C2] C.A. Furia C. A., P. Spoletini.
Automata-based Verification of Linear Temporal Logic Models with Bounded Variability.
19th International Symposium on Temporal Representation and Reasoning, TIME'12.
IEEE Computer Society, pp 89-96.
- [C3] A. Molzam Sharifloo, P. Spoletini.
LOVER: Light-weight Formal Verification of adaptive systems at Run time.
9th International Symposium on Formal Aspects of Component Software (FACS'12),
Lecture Notes in Computer Science 7684, Springer, 2012, to appear.
- [C4] C. A. Furia, P. Spoletini.
On relaxing metric information in linear temporal logic.
18th International Symposium on Temporal Representation and Reasoning, TIME'11,
IEEE Computer Society, 2011, pp 72-79.
- [C5] S. Guinea, P. Spoletini.
Evaluating the compatibility of conversational service interactions.
3rd International Workshop on Principles of Engineering Service-oriented Systems, PESOS'11,
ACM, 2011, pp 29-35.
- [C6] L. Pasquale, P. Spoletini.
Monitoring fuzzy temporal requirements for service compositions: motivations, challenges and experimental results.
Workshop on Requirements Engineering for Systems, Services and Systems of Systems, RES^4'11,
IEEE Computer Society, pp 63-69.
- [C7] L. Baresi, L. Pasquale, P. Spoletini.
Fuzzy goals for requirements-driven adaptation
18th International Requirements Engineering Conference (RE 2010),
Sydney, Australia, 27 September-1 October 2010,
IEEE Computer Society, 2010, pp 125-134.
- [C8] L. Baresi, D. Bianculli, S. Guinea, P. Spoletini.
29th IFIP WG 6.1 International Conference on Formal Techniques for Networked and Distributed Systems (FORTE 2009), Lisboa, Portugal, 9-12 June 2009,
Lecture Notes in Computer Science 5522, Springer 2009, pp 26-40.
- [C9] P. Spoletini, M. Verdicchio,
An automata-based monitoring technique for commitment-based multi-agent systems,
COIN@AAMAS'08, Estoril, Portugal, 12-13 May 2008.
Coordination, Organizations, Institutions, and Norms in Agent Systems IV,
Lecture Notes in Artificial Intelligence, Springer.
- [C10] C.A. Furia, P. Spoletini.
Practical efficient modular linear-time model checking.
6th International Symposium on Automated Technology for Verification and Analysis (ATVA 2008),
Seoul, Korea, 20-23 October 2008,
Lecture Notes in Computer Science 5311, Springer 2008, pp 408-417 (short paper).
- [C11] C.A. Furia, M. Mazzucchelli, P. Spoletini, M. Tanelli.
Towards the exhaustive verification of real-time aspects in controller implementation.
IEEE International Symposium on Computer-Aided Control System Design (CACSD 2008),
San Antonio, Texas, USA, 3-5 September 2008,
IEEE Computer Society 2008, pp 1265-1270.

- [C12] C.A. Furia, P. Spoletini.
Tomorrow and all our yesterdays: MTL satisfiability over the integers.
 5th International Colloquium on Theoretical Aspects of Computing (ICTAC 2008),
 Istanbul, Turkey, 1-3 September 2008,
 Lecture Notes in Computer Science 5160, Springer 2008, pp 126-140.
- [C13] L. Baresi, V. Rafe, A. T. Rahmani, P. Spoletini.
An efficient solution for model checking graph transformation systems
 3rd Workshop on Graph Transformation for Concurrency and Verification (GT-VC 2007),
 Lisbon, Portugal, 3 September 2007,
 Electronic Notes in Theoretical Computer Science 213, Elsevier Science B.V., pp. 3-21.
- [C14] E. Elkind, B. Genest, D. Peled, P. Spoletini.
Quantifying the discord: order discrepancies in message sequence charts.
 5th International Symposium on Automated Technology for Verification and Analysis (ATVA'07),
 Tokyo, Japan. 22-25 October 2007,
 Lecture Notes in Computer Science 4762 Springer 2008, pp 378-393.
- [C15] P. Spoletini, M. Verdicchio.
Commitment monitoring in a multiagent system.
 Multi-Agent Systems and Applications V, 5th International Central and Eastern European Conference
 on Multi-Agent Systems (CEEMAS 2007), Leipzig, Germany, 25-27 September 2007,
 Lecture Notes in Computer Science 4696. Springer 2007, pp 83-92.
- [C16] A. Matta, M. Rossi, P. Spoletini, D. Mandrioli, Q. Semeraro, T. Tolio.
*FM for FMS: lessons learned while applying formal methods to the study of flexible manufacturing
 systems.*
 4th International Colloquium on Theoretical Aspects of Computing (ICTAC 2007),
 Macau, China, 26-28 September 2007,
 Lecture Notes in Computer Science 4711 Springer 2007, pp 366-380.
- [C17] L. Baresi, D. Bianculli, C. Ghezzi, S. Guinea, P. Spoletini.
A timed extension of WSCoL.
 IEEE International Conference on Web Services (ICWS 2007),
 Salt Lake City, Utah, USA, 9-13, July 2007,
 IEEE Computer Society 2007, pp 663-670.
- [C18] Fei He, L. Baresi, C. Ghezzi, P. Spoletini.
Formal analysis of publish-subscribe systems by probabilistic timed automata.
 27th IFIP WG 6.1 International Conference on Formal Techniques for Networked and Distributed
 Systems (FORTE 2007), Tallinn, Estonia, 27-29, June 2007,
 Lecture Notes in Computer Science 4574, Springer 2007, pp 247-262.
- [C19] D. Bianculli, C. Ghezzi, P. Spoletini.
A model checking approach to verify BPEL4WS workflows.
 IEEE International Conference on Service-Oriented Computing and Applications (SOCA 2007),
 Newport Beach, California, USA, 19-20 June 2007,
 IEEE Computer Society 2007, pp 13-20.
- [C20] D. Bianculli, P. Spoletini, A. Morzenti, M. Pradella, P. San Pietro.
Model checking temporal metric specifications with Trio2Promela.
 International Symposium on Fundamentals of Software Engineering (FSEN 2007),
 Tehran, Iran, 17-19 April 2007,
 Lecture Notes in Computer Science 4767, Springer 2007, pp 388-395 (short paper).

- [C21] M. Giorgetta, M. D. Santambrogio, D. Sciuto, P. Spoletini.
A graph-coloring approach to the allocation and tasks scheduling for reconfigurable architectures.
 IFIP WG 10.5 International Conference on Very Large Scale Integration of System-on-Chip (IFIP VLSI-SoC 2006), Nice, France, 16-18 October 2006.
 IEEE Computer Society 2006, pp 24-29.
- [C22] L. Baresi, P. Spoletini.
On the use of Alloy to analyze graph transformation systems.
 3rd International Conference on Graph Transformations (ICGT 2006),
 Natal, Rio Grande do Norte, Brazil, 17-23 September 2006,
 Lecture Notes in Computer Science 4178, Springer 2006, pp 306-320.
- [C23] A. Campi, P. Spoletini.
History checking of XML data streams.
 17th International Workshop on Database and Expert Systems Applications (DEXA 2006),
 Krakow, Poland, 4-8 September 2006. Proceedings.
 IEEE Computer Society 2006, pp 542-546.
- [C24] P. Spoletini, M. Tomassella, A. Matta, M. Rossi.
Formal verification of production systems performance: a new approach to the detailed system design phase.
 5th CIRP International Seminar on Intelligent Computation in Manufacturing Engineering (CIRP ICME 2006), Ischia, Italy, 25-28 July 2006
- [C25] A. Campi, S. Guinea, P. Spoletini.
A fuzzy extension for the XPath query language.
 7th International Conference on Flexible Query Answering Systems (FQAS 2006),
 Milan, Italy, 7-10 June 2006,
 Lecture Notes in Computer Science 4027, Springer 2006, pp 210-221.
- [C26] A. Campi, S. Guinea, P. Spoletini.
Fuzzy querying of semistructured data.
 IADIS International Conference on Applied Computing,
 San Sebastian, Spain, 25-28 February 2006,
 IADIS 2006, pp 241-248.
- [C27] E. Colombo, J. Mylopoulos, P. Spoletini.
Modeling and analyzing context-aware composition of services.
 3rd International Conference, on Service-Oriented Computing (ICSOC 2005),
 Amsterdam, The Netherlands, 12-15 December 2005,
 Lecture Notes in Computer Science 3826, Springer 2005, pp 198-213.
- [C28] A. Cherubini, E. Colombo, C. Francalanci, P. Spoletini.
A formal approach supporting the specification and verification of business conversation requirements.
 IADIS International Conference on Applied Computing,
 Algarve, Portugal, 22- 25, February 2005,
 IADIS 2005, pp 467-478 vol 2.
- [C29] M. Pradella, P. San Pietro, P. Spoletini, A. Morzenti.
Practical model checking of LTL with past.
 1st International Workshop on Automated Technology for Verification and Analysis (ATVA'03),
 Taipei, Taiwan, 10-13 December 2003.

- [C30] S. Cigoli, P. Leblanc, S. Malaponti, D. Mandrioli, M. Mazzucchelli, A. Morzenti, P. Spoletini.
An experiment in applying UML2.0 to the development of an industrial critical application.
Workshop on Critical Systems Development with UML - CSD UML,
San Francisco, California, USA, 21 October 2003.
- [C31] A. Morzenti, M. Pradella, P. San Pietro, P. Spoletini.
Model-checking TRIO specifications in SPIN.
International Symposium of Formal Methods Europe,
Pisa, Italy, 8-14 September 2003,
Lecture Notes in Computer Science 2805, Springer 2003, pp 542-561.

Technical Reports and Theses

- [D1] A. Frigeri, L. Pasquale, P. Spoletini.
Fuzzy Time in LTL.
arXiv: 1203.6278
- [D2] C.A. Furia, A. Leva, M. Maggio, P. Spoletini.
A control-theoretical methodology for the scheduling problem.
arXiv: 1009.3455v1
- [D3] L. Baresi, L. Pasquale, P. Spoletini.
A temporal semantics for fuzzy linear temporal logic.
Dipartimento di Elettronica e Informazione, Politecnico di Milano, 2010.
- [D4] C.A. Furia, P. Spoletini.
On relaxing metric information in linear temporal logic.
CORR abs/0906.4711, 2009.
- [D5] C.A. Furia, P. Spoletini.
MTL satisfiability over integers.
Dipartimento di Elettronica e Informazione, Politecnico di Milano. Technical Report n. 2008.2.
- [D6] C.A. Furia, M. Mazzucchelli, P. Spoletini, M. Tanelli.
Towards the exhaustive verification of real-time aspects in controller implementation.
Dipartimento di Elettronica e Informazione, Politecnico di Milano. Technical Report n. 2008.1.
- [D7] P. Spoletini.
Verification of temporal logic specification via model checking.
PhD Thesis in Information Engineering, Politecnico di Milano, 2005. Advisor: Professor P. San Pietro.
- [D8] P. Spoletini.
A methodology for dynamic reconfigurability in embedded system design.
Dipartimento di Elettronica e Informazione, Politecnico di Milano, Technical Report n. 2005.03.
- [D9] D. Mandrioli, M. Mazzucchelli, A. Morzenti, P. Spoletini.
Generating simulation traces for system with interval transitions.
Dipartimento di Elettronica e Informazione, Politecnico di Milano. Technical Report n. 2003.29.
- [D10] P. Spoletini.
Formalizing aggregation in description logic.
Dipartimento di Elettronica e Informazione, Politecnico di Milano, Technical Report n. 2003.12.

- [D11] P. Spoletini, P. Hati, A. Khokhar, R. Ansari.
Using non-repetitive segments for content-based indexing and retrieval of audio data.
 Department of Computer Science and Electrical Engineering, UIC, Chicago, Illinois, USA,
 Technical Report, 2003.
- [D12] P. Spoletini.
Automatic event-based segmentation, indexing and retrieval of audio data: a content-based approach.
 Master Thesis in Computer Engineering, Politecnico di Milano, and Master Thesis in Electrical
 Engineering and Computer Science, University of Illinois Chicago, 2001.
 Advisors: Professor V. Piuri, and Professor A. Khokhar.

Other publications

- [E1] N. Fiorentini, A. Frigeri, L. Pasquale, P. Spoletini.
Time modalities over many-valued logics.
 13th Italian Conference of Theoretical Computer Science (ICTCS'12),
 Varese, Italy, 19-21 September 2012.
- [E2] C.A. Furia, P. Spoletini.
On relaxing metric information in linear temporal logic.
 11th Italian Conference of Theoretical Computer Science (ICTCS'09),
 Cremona, Italy, 28-30 September 2009.
- [E3] D.Bianculli, A. Morzenti, M. Pradella, P. San Pietro, P. Spoletini.
Trio2Promela: a model checker for temporal metric specifications.
 29th International Conference on Software Engineering (ICSE 2007),
 Minneapolis, MN, USA, 20-26 Maggio 2007,
 Companion Volume. IEEE Computer Society 2007, pp 61-62 (demo)
- [E4] A. Campi, P. Spoletini
A framework for XML data streams history checking and monitoring.
 15th International Conference on World Wide Web (WWW 2006),
 Edinburgh, Scotland, UK, 23-26 May 2006.
 ACM 2006, pp 983-984 (poster).

Textbooks

- [F1] A. Campi, E. Di Nitto, D. Loiacono, A. Morzenti, P. Spoletini
Introduzione alla programmazione in Matlab.
 Esculapio Editore.
- [F2] D.Mandrioli, L. Lavazza, A. Morzenti, P. San Pietro, P. Spoletini
Esercizi di Informatica Teorica.
 III Ed., Progetto Leonardo.
- [F3] D.Mandrioli, P. Spoletini
Mathematical Logic for Computer Science: an introduction.
 Progetto Leonardo
- [F4] D.Mandrioli, P. Spoletini
Informatica Teorica (II Edizione).
 Città Studi.
-

TEACHING¹ AND ADMINISTRATIVE EXPERIENCE

Adjunct Professor

- 2012/2013 [UniVa] Requirements Engineering
 [PoliIOL] Theoretical computer science
- 2011/2012 [UniVa] Validation and verification
 [PoliCO] Theoretical computer science
 [PoliIOL] Theoretical computer science
- 2010/2011 [UniVa] Algorithms and data structures
- 2009/2010 [UniCo] Computer and network architecture
 [UniCo] Complements on computer and network architecture
 [UniCo] Algorithms and data structures II, module on graphs
 [PoliMi] Theoretical computer science
 [PoliMi] Foundations of computer science and programming (for mechanical engineers)
- 2008/2009 [UniCo] Computer and network architecture
 [UniCo] Complements on Computer and network architecture
 [PoliMi] Theoretical computer science
 [PoliMi] Foundations of computer science and programming (for mechanical engineers)
- 2007/2008 [UniCo] Automata theory and formal languages I and II
 [UniCo] Computational logic I and II
 [PoliCr] Programming languages, algorithms and data structures
 [PoliMi] Foundations of computer science and programming (for business engineers)
- 2006/2007 [UniCo] Computational logic II
 [PoliCr] Programming languages, algorithms and data structures
 [PoliMi] Foundations of computer science and programming (for aerospace engineers)
- 2005/2006 [PoliMi] Foundations of computer science and programming (for electrical engineers)

Teaching Assistant

- 2012/2013 [UniVa] Computer science, Lab I, Prof. L. Lavazza
- 2011/2012 [UniVa] Computer and network architecture, Prof. L. Lavazza

¹ Abbreviations

- PoliMi: Politecnico di Milano, Milan, Italy
- PoliCo: Politecnico di Milano, Como, Italy
- PoliCr: Politecnico di Milano, Cremona, Italy
- PoliIOL: Politecnico di Milano, Online Bachelor Degree
- UniCo: Università degli studi dell'Insubria, Como, Italy
- UniVa: Università degli studi dell'Insubria, Varese, Italy
- UniMi: Università degli studi di Milano, Milan, Italy

	[PoliMi] Theoretical computer science, Prof. D. Mandrioli
	[PoliMi] Algorithm and data structures, Prof. D. Mandrioli
	[PoliMi] Theoretical computer science, Prof. A. Morzenti
	[PoliMi] Formal Methods, Prof. D. Mandrioli
2010/2011	[UniVa] Computer and network architecture, Prof. L. Lavazza [PoliMi] Formal Methods, Prof. D. Mandrioli
2009/2010	[PoliMi] Programming languages, algorithms and data structures, Prof. A. Campi [PoliMi] Algebra and logic 2, Prof. A. Cherubini [PoliMi] Formal Methods, Prof. D. Mandrioli
2008/2009	[PoliMi] Programming languages, algorithms and data structures, Prof. A. Campi [PoliMi] Algebra and logic 2, Prof. A. Cherubini [PoliMi] Formal Methods, Prof. D. Mandrioli
2007/2008	[PoliMi] Algebra and logic 2, Prof. A. Cherubini
2006/2007	[PoliMi] Theoretical computer science, Prof. D. Mandrioli [PoliMi] Algebra and logic 2, Prof. A. Cherubini
2005/2006	[UniCo] Seminar on Computational logic II, Prof. R. Walters [UniMi] Seminar on Model checking, Prof. S. Ghilardi [PoliMi] Software Engineering 2, Prof. C. Ghezzi [PoliMi] Software Engineering 2, Prof. E. Di Nitto [PoliMi] Programming languages, algorithms and data structures, Prof. M. Matera [PoliCr] Programming languages, algorithms and data structures, Prof. D. Mandrioli [PoliMi] Theoretical computer science, Prof. D. Mandrioli [PoliMi] Algebra and logic 2, Prof. A. Cherubini
2004/2005	[PoliMi] Algebra and Logic 1, Prof. A. Cherubini [PoliCr] Programming languages, algorithms and data structures, Prof. D. Mandrioli [PoliMi] Theoretical computer science, Prof. D. Mandrioli [PoliMi] Algebra and Logic 2, Prof. A. Cherubini
2003/2004	[PoliMi] Algebra and Logic 1, Prof. S. Adami [PoliCo] Programming, Prof. C. Silvano [PoliCr] Programming languages, algorithms and data structures, Prof. D. Mandrioli [PoliMi] Theoretical computer science, Prof. D. Mandrioli
2002/2003	[PoliCr] Programming languages, algorithms and data structures, Prof. D. Mandrioli [PoliMi] Theoretical computer science, Prof. D. Mandrioli
2001/2002	[PoliCr] Programming languages, algorithms and data structures, Prof. D. Mandrioli

Lab Assistant

2005/2006 [PoliMi] Algebra and Logic 1, Prof. S. Adami

2004/2005 [PoliMi] Algebra and Logic 1, Prof. S. Adami

2002/2003 [PoliMi] Algebra and Logic 1, Prof. A. Cherubini

Online tutoring (Online Bachelor Degree – Politecnico di Milano, Italy)

2009/2012 Algorithms and theoretical foundations of computer science, Prof. S. Comai

2003/2011 Algorithms and data structures, Prof. S. Comai

2003/2008 Software Engineering, Prof. A. Fugetta

Supervised students

Master students

- Domenico Bianculli (co-advised with Carlo Ghezzi, 2006, PoliMi);
- Marco Diciolla (co-advised with Dino Mandrioli, 2010, PoliMi);
- Chiara Bottini (2011, PoliMi);
- Alessandro Oppici (2011, PoliMi);
- Matteo Sozzi (2011, PoliMi);
- Marco Maffini (2012, PoliMi);
- Giacomo Rolli (2012, PoliMi);
- Laura Valsecchi (2012, PoliMi);
- Davide Airoldi (current student, PoliMi);
- Stefania Banfi (current student, PoliMi);
- Nicholas Fiorentini (current student, PoliMi);

Bachelor students

- Marco Mazzucchelli (co-advised with Dino Mandrioli, 2003, PoliMi);
- Roberto Puricelli (co-advised with Luciano Baresi, 2006, PoliMi);
- Daniele Spampinato (co-advised with Luciano Baresi, 2006, PoliMi);
- Roberto Parrotto (2007, PoliCr);
- Daniele Lodigiani (2008, PoliCr);
- Chiara Bottini (co-advised with Alessandro Campi, 2008, PoliCr);
- Marco Maffini (2008, PoliCr);
- Danile Martinelli (2008, PoliCr);
- Alessandro Oppici (2008, PoliCr);
- Matteo Sozzi (2008, PoliCr);
- Matteo Carini (co-advised with Carlo Alberto Furia, 2008, PoliCr);
- Nicholas Fiorentini (co-advised with Carlo Alberto Furia, 2008, PoliCr);
- Giacomo Rolli (2009, PoliMi);
- Laura Valsecchi (2009, PoliMi);
- Enrico Bontempi (co-advised with Alessandro Campi, 2010, PoliMi);
- Andrea Rusconi (2010, PoliMi);
- Marco Bettineschi (co-advised with Sam Guinea, 2010, PoliMi);

- Luca Bressanelli (2010, PoliMi);
- Marta Calastri (co-advised with Sam Guinea, 2010, PoliMi);
- Dilippo Dossena (co-advised with Alessandro Campi, 2010, PoliMi);
- Roberto Carrettoni (co-advised with Alessandro Campi, 2011, PoliMi);
- Matteo Saporiti (2010, PoliMi);
- Francesca Cerliani (2011, UniCo);
- Enrica Pellizzer (2012, UniVa);
- Simone Cairoli (2012, UniVa);
- Valentina Montalbetti (2012, UniVa);

Other activities

- Collaboration with various PhD students.
- Tutor for Master projects.
- Preparation and recording of online classes for a part of a theoretical computer science course on algorithms and foundations of computer science of the online degree in Computer Engineering of Politecnico di Milano (2010).
- University service (2008-2010), including admissions.