

## LUCIANO BARESI

Luciano Baresi is a full professor at Politecnico di Milano. He received both his Master degree in Electronic Engineering and PhD in computer science from the same Politecnico. He was also visiting professor at University of Oregon (USA) and visiting researcher at University of Paderborn (Germany).

Luciano was the chair of the bachelor degree program in Engineering Computing Systems (Cremona campus). After merging the degree program in Cremona with the equivalent one in Milan, he is now the deputy chair for the Cremona campus. He is also a member of the board of professors of the doctoral program in information technology at Politecnico.

Luciano is a regular member of the program committee of important conferences related to service-oriented computing, web-based systems, and software engineering. He was program chair of ICECCS'02 (International Conference on Engineering Complex Computer Systems), FASE'06 (ETAPS Conference on Fundamental Approaches on Software Engineering), ICWE'07 (International Conference on Web Engineering), ICSOC'09 (International Conference on Service-Oriented Computing), SEAMS'12 (Symposium on Software Engineering for Adaptive and Self-Managing Systems) and ESEC/FSE'13 (Joint European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering). He also served as general chair for WICSA'16 (Working IEEE/IFIP Conference on Software Architecture).

Luciano is currently a member of the editorial board of Transactions on Autonomous and Adaptive Systems (ACM), Transactions on Service Computing (IEEE), EPiC Series in Computing (EasyChair) and Requirements Engineering (Springer). He also served on the editorial board of IEEE Transactions on Software Engineering and was chair of the IFIP working group (2.14/6.12/8.10) on Services-oriented Computing. Since 2015 he has been chairing the steering committee of ESEC (European Software Engineering Conference).

Luciano co-authored some 130 papers. Some of his papers appeared on prestigious journals and magazines like ACM Transactions on Software Engineering and Methodology, IEEE Transactions on Software Engineering, IEEE Computer, IEEE Software, and IEEE Internet Computing. He is also the co-author of a book in Italian. Currently, his work has been cited some 7000 times and his h-index is 43 (Google Scholar).

Luciano was the recipient of two CNR short-term mobility grants (1998 and 1999), an IBM Shared University Research award (2006), and an IBM Faculty award (2007).

Luciano acted as member of evaluation boards for the Netherlands Organisation for Scientific Research (The Netherlands), Mitacs (Canada), Vienna Science and Technology Fund (Austria), National Council for Scientific Research (Romania), Fundação para a Ciência e a Tecnologia (Portugal), and TrentoRISE (Italy). He also served as project reviewer for the European Commission.

Luciano's research interests touch different aspects of software engineering. While he started with formal approaches for modeling and specification languages, he then moved to UML and the design of web-based applications. He is now interested in distributed systems, service-based applications, and in the different aspects of mobile, ubiquitous, and self-adaptive software systems. This research has been funded by diverse national and international projects. Among them, Luciano has coordinated the participation of Politecnico di Milano in the following EU-funded projects: MOMOCS, SLA@SOI, MADES, and Indenica.

## KEY DATA

- Laurea degree in Electronic engineering - Computer Science from Politecnico di Milano (april 1992)
- PhD degree in Computer Science (Dottorato di ricerca in Informatica e Automatica) from Politecnico di Milano (september 1997)
- Assistant professor at Politecnico di Milano (march 2001–december 2003)
- Associate professor at Politecnico di Milano (from december 2003-march 2015)
- Full professor at Politecnico di Milano (from march 2015-)
- Visiting researcher at University of Oregon – Eugene, USA (july-september 1998 and july-september 1999)
- Visiting professor at University of Oregon – Eugene, USA (january-march 2001)
- Visiting research at University of Paderborn, Germany (january-february and october-november 2003)
- Visiting professor at Tongji University, Shanghai, China (september-october 2008), in the context of PoliTong and of the Sino-Italian campus.

## RESEARCH PROJECTS

### (CO-)PRINCIPAL INVESTIGATOR AT POLITECNICO

- EU projects
  - MOMOCS (Model-driven Modernization of Complex Software Systems) - 2006-2008 ([www.momocs.org](http://www.momocs.org))
  - SLA@SOI (Empowering the Service Economy with SLA-aware Infrastructures) - 2008-2010 ([sla-at-soi.eu](http://sla-at-soi.eu))
  - MADES (Model-based methods and tools for Avionics and surveillance embeddeD SystEmS) - 2010-2012 ([services.txt.it/mades-project](http://services.txt.it/mades-project))
  - INDENICA (Engineering Virtual Domain-Specific Service Platforms) - 2010- 2013 ([www.indenica.eu](http://www.indenica.eu))
- National projects
  - SITAD (Sistema Integrato di Telemedicina e Assistenza Domiciliare) - 2012-2014 (responsible for the activities at DEIB) - bando Regione Lombardia e Ministero dell'Istruzione 2011
  - Giocosio - GIOchi pediatrici per la COmunicazione e la SOcializzazione (Smart Cities and Communities - Regione Lombardia) - 2014-2015 (scientific director and responsible for the activities at DEIB)
  - PSC (Piattaforma dei servizi nel settore della giustizia civile) - 2014- (responsible for the activities at DEIB) - Smart City Giustizia
  - EEB – Edifici A Zero Consumo Energetico In Distretti Urbani Intelligenti (Italian Technology Cluster For Smart Communities) - 2014-2017 (responsible for the activities at DEIB)
  - ITS Italy 2020 - Soluzioni ICT a supporto della logistica e dei processi di trasporto (Italian Technology Cluster on Transportation). - 2014- (responsible for the activities at DEIB)

### ALSO INVOLVED IN

- INFORMA (Integrated Formal Approaches for Embedded Real-Time Systems) - 1997-1999
- UWA (Ubiquitous Web Applications) 2001-2003
- SeCSE (Service-centric System Engineering) - 2005-2008 ([www.secse-project.eu](http://www.secse-project.eu))
- Cascadas (Component-ware for Autonomic Situation-aware Communications, and Dynamically Adaptable Services) - 2006-2008 ([www.cascadas-project.org](http://www.cascadas-project.org))

- S-Cube (Software Services and Systems Network, NoE) - 2008-2012 ([www.s-cube-network.eu](http://www.s-cube-network.eu))
- SMSCom (Self-Managing Situated Computing) - 2008-2013 ([www.erc-smscom.org](http://www.erc-smscom.org))

## PHD STUDENTS

### ADVISOR

- Sam Guinea (Politecnico di Milano, 2005-2007, officially advised by Carlo Ghezzi)
- Matteo Miraz (Politecnico di Milano, 2007-2010)
- Liliana Pasquale (Politecnico di Milano, 2008-2010)
- Alfredo Motta (Politecnico di Milano, 2010-2012)
- Mohammad Pourhashem (2012-2015)
- Adnan Shahzada (2012-2015)
- Naser Derakhshan (2013-2016)
- Anita Imani (2014-2017)
- Giovanni Quattrocchi (2014-2017)
- Danilo Mendonça (2015-)
- Mersedeh Sadeghi (2016-)
- Saeed Tajfar (2017-)

### EXTERNAL REVIEWER

- Anna Rita Laurenzi, Univeristà dell'Aquila (Italy), 2004
- Fabio De Rosa, Università di Roma la Sapienza (Italy), 2006
- Khaled Mahbub, City University London (UK), 2006
- Cristina Marin, Universite Grenoble 1 (France), 2008
- Dhaminda Buddhika Abeywickrama, Monash University (Australia), 2010
- Jocelyn Simmonds, University of Toronto (Canada), 2010
- Fabiano Dalpiaz, Università di Trento (Italy), 2011
- Vikas Agarwal, Indian Institute of Technology, Kanpur (India), 2011
- Garth Heward, Swinburne University of Technology (Australia), 2012
- Asli Zengin, Università di Trento (Italy), 2012
- Heorhi Raik, Università di Trento (Italy), 2012
- Walter Rudametkin Ivey, Universite Grenoble 1 (France), 2013
- Adina Sirbu, Università di Trento (Italy), 2013
- Basil Becker, University of Potsdam (Germany), 2014
- Gil Didac, Linnaeus University (Sweden), 2014
- Christian Inzinger, Technical University Vienna (Austria), 2014
- Abel Silva Lizcano, Politecnico di Milano, 2014
- Felipe Pontes Guimarães, Universidade de Sao Paulo (Brasil), 2017.
- Luigi Manco, Università del Salento (Italy), 2017.

## PROFESSIONAL ACTIVITIES

### AT POLITECNICO

- Chair of the bachelor degree program in Engineering Computing Systems - Cremona campus (2009-2011)
- Deputy chair of the bachelor degree program in Engineering Computing Systems for the Cremona campus (2011-)

- Member of the board of professors of the doctoral program in information technology at Politecnico (2011-2016)
- Co-coordinator of S-Cube, research lab on Social Smart Spaces in cooperation with Telecom Italia (2013-2017)

### GENERAL CHAIR

- Working IEEE/IFIP Conference on Software Architecture (WICSA), 2016

### PC CHAIR

- International Conference on Engineering of Complex Computer Systems (ICECCS), 2002 (with M. Hinchey, M. Chen e S. Liu)
- Fundamental Approaches to Software Engineering (FASE), 2006 (with R. Heckel)
- International Conference on Web Engineering (ICWE), 2007 (with G.-J. Houben)
- International Conference on Service-oriented Computing (ICSOC), 2009 (with J. Suzuki e C.H. Chi)
- International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS) 2012
- Joint meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE), 2013 (with Mira Mezini)

### WORKSHOP CHAIR

- Joint meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE), 2005
- International Conference on Software Engineering (ICSE), 2009 (with V. Braberman)
- International Requirements Engineering Conference (RE), 2011 (with D. Amyot)

### PUBLICITY CHAIR

- International Conference on Engineering of Complex Computer Systems (ICECCS), 2000 and 2001
- International Software Metrics Symposium (Metrics), 2005

### POSTER CHAIR

- International Conference on Software Engineering (ICSE), 2013

### LOCAL ARRANGEMENT CHAIR

- Joint meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE), 2015 (with Angelo Gargantini)

### OTHER APPOINTMENTS

- Chair of the IFIP Working Group on Services-Oriented Systems (2012-2016)
- Chair of the Steering Committee of the European Software Engineering Conference (2015-)

### PROGRAM COMMITTEES

I am and I have been member of many program committees over the last years. Maybe, the most important ones are: International Conference on Service-Oriented Computing, World Wide Web Conference, Fundamental Approaches on Software Engineering, International Conference on Web Engineering, International Conference on Graph Transformation Systems, International Conference on Advanced Information Systems Engineering, European Conference on Web Services, Conference on Service-Oriented Computing and Applications, International Software Metrics Symposium (Metrics), and International Conference on Software Engineering.

### EDITORIAL BOARDS

- Service Oriented Computing and Applications (Sprinter) (2009-2015)
- Transactions on Autonomous and Adaptive Systems (ACM) (2012-now)
- Transactions on Software Engineering (IEEE) (2013-2017)
- Transactions on Service Computing (IEEE) (2013-now)
- EPiC Series in Computing (EasyChair) (2016-2018)
- Requirements Engineering (Springer) (2016-2018)

### DAGSTUHL SEMINARS (CO-ORGANIZER)

- Customizing Service Platforms, co-organizer with Heiko Ludwig, Andreas Rummler, and Klaus Schmid (April 2013)
- Feature Interactions: The Next Generation, co-organizer with Sven Apel, Pamela Zave, and Jo Atlee (July 2014)

### REVIEWER (TECHNICAL PAPERS)

Transactions on Software and Methodology (ACM), Transactions on Software Engineering (IEEE), Transactions on Internet Technology (ACM), Transactions on the Web (ACM), Transactions on Control Systems Technology (IEEE), Communications of the ACM (ACM), IEEE Software, Science of Computer Programming (Elsevier), International Journal of Web Engineering and Technology (InderScience), Information Systems (Elsevier), Journal of Web Engineering (Rinton Press), Requirements Engineering Journal (Springer), Software and Systems Modeling (Springer), Distributed and Parallel Databases Journal (Springer), Automated Software Engineering Journal (Springer), Journal of Systems Architecture (Elsevier), Journal on Service Oriented Computing and Applications (Springer), Software Practice and Experience (Wiley), IET Software.

### WORKSHOP ORGANIZER

- Luciano Baresi, S. Dustdar, H. Gall, and M. Matera. International Workshop on Ubiquitous Mobile Information and Communication Systems, satellite event of CAiSE (UMICS) 2003 and 2004
- Luciano Baresi and N. Maiden. International Workshop on Service-Oriented Computing: Consequences for Engineering Requirements, satellite event of RE (SOCCER) 2005, 2006, 2007, 2008, and 2011.
- Luciano Baresi and J. Bezivin. International Workshop on Model-based Modernization of Complex Software Systems, satellite event of ECDMA (MMSS) 2008.
- Karina Villela, Sholom Cohen, Luciano Baresi, Jaejoon Lee, and Klaus Schmid. Workshop on Services, Clouds, and Alternative Design Strategies for Variant-Rich Software Systems, satellite event of SPLC 2011 and 2012.
- Matteo Baldoni, Luciano Baresi, and Mehdi Dastani, Third International Workshop on Engineering Multi-Agent Systems, satellite event of AAMAS 2015.
- Luciano Baresi, Tim Menzies, Andreas Metzger, and Thomas Zimmermann. International Workshop on BIG Data Software Engineering, satellite event of ICSE 2015 and 2016.
- Jesper Anderson, Rafael Capilla, Luciano Baresi and Holger Eichelberger. Tenth International Workshop on Dynamic Software Product Lines - Adaptive Systems through Runtime Variability, satellite event of SPLC 2017.

### REVIEWER (PROJECTS AND PROJECT PROPOSALS)

European Union, projects MUSIC (Self-adapting applications for Mobile Users In ubiquitous Computing environments), and GINSENG (Performance Control in Wireless Sensor Networks), Netherlands Organisation for Scientific Research (The Netherlands), Mitacs (Canada), Vienna Science and Technology Fund (Austria), National Council for Scientific Research (Romania), and Fundação para a

Ciência e a Tecnologia (Portugal), TrentoRISE (Italy), and INRIA (France), Israel Science Foundation (Israel), Icelandic Research Fund (Iceland).

## GRANTS AND AWARDS

- CNR grant, as part of the exchange program for short-term mobility, for the research periods at University of Oregon (Eugene – USA). July-september 1998 and July-september 1999.
- Qualification for the NATO-CNR Senior Fellowships – Senior Guest Fellowships, summer 1999.
- IBM Shared University Research (SUR) Award 2006 for the project called WS-Testing, which is about the test of service-based applications (together with professor Alessandro Orso, Georgia Institute of Technology, USA)
- IBM Faculty Award 2007 (together with professor Barbara Pernici) for the project called Sviluppo di un curriculum per la Service Engineering (Development of a curriculum on service engineering).

## TUTORIALS

### GRAPH TRANSFORMATION SYSTEMS

1. Luciano Baresi and Reiko Heikel (University of Leicester, UK). Foundations and Applications of Graph Transformation. 1st International Conference on Graph Transformation. October 2002, Barcellona (Spain)
2. Luciano Baresi and Reiko Heikel (University of Leicester, Inghilterra). Tutorial Introduction to Graph Transformation: A Software Engineering Perspective. 2nd International Conference on Graph Transformation. October 2004, Rome (Italy)

### WEB QUALITY

3. Luciano Baresi and Sandro Morasca (Università dell'Insubria, Italy). An Introduction to Web Quality. 4th International Conference on Web Engineering. July 2004, Munich (Germany)

### WEB SERVICES

4. Luciano Baresi, Maristella Matera, and Pierluigi Plebani (Politecnico di Milano, Italy). Models and Technologies for e-Service Composition. 1st International Conference on Service-Oriented Computing. December 2003, Trento (Italy)
5. Luciano Baresi and Sam Guinea (Politecnico di Milano, Italy). An Introduction to Self-healing Web Services. 10th IEEE International Conference on the Engineering of Complex Computer Systems. June 2005, Shanghai (China)
6. Luciano Baresi and Sam Guinea (Politecnico di Milano, Italy). An Introduction to Self-healing Web Services. 10th European Software Engineering Conference and 13th ACM SIGSOFT International Symposium on the Foundations of Software Engineering. September 2005, Lisbon (Portugal)
7. Luciano Baresi and Sam Guinea (Politecnico di Milano, Italy). Towards Dynamic Web Services. 28th International Conference on Software Engineering. May 2006, Shanghai (China)
8. Luciano Baresi, Elisabetta Di Nitto (Politecnico di Milano, Italy) e Massimiliano Di Penta (Università del Sannio, Italy). Monitoring of Service Oriented Systems and Recovery Actions. 5th International Conference on Service-Oriented Computing. September 2007, Vienna (Austria)

### SELF-\* SYSTEMS



1. Luciano Baresi (Politecnico di Milano, Italy). Adaptive and Self-Managing Systems. 7th International Summer School on Software Engineering. July 2010 Salerno (Italy)
2. Luciano Baresi and Sam Guinea (Politecnico di Milano, Italy). Architectural Styles for Adaptive Systems. 6th International Conference on Self-Adaptive and Self-Organizing Systems. September 2012, Lyon (France)
3. Luciano Baresi (Politecnico di Milano, Italy). Adaptive and Self-Managing Systems. 3rd Brazilian Conference on Software: Theory and Practice (CBSoft). September 2012, Natal (Brazil)

## PUBLICATIONS

### INTERNATIONAL JOURNALS

1. Sergio Bandinelli, Luciano Baresi, Alfonso Fuggetta, and Luigi Lavazza. Experiences in the Implementation of a Process-Centered Software Engineering Environment using Object-Oriented Technology. *Theory and Applications of Object-oriented Systems - John Wiley*, vol. 1(2): 115-132, 1995.
2. Cristiana Bolchini and Luciano Baresi. Software Methodologies in VHDL Code Analysis. *Journal of Systems Architecture - Elsevier Science*, (44): 3-21, 1997.
3. Luciano Baresi, Fabrizio Consorti, Manuele Di Paola, Antonio Gargiulo, and Mauro Pezzè. LEM-MA: A Language for an Easy Medical Models Analysis. *Journal of Medical Systems - Plenum Publishing Co.*, vol. 21(6): 369-388, 1997.
4. Luciano Baresi and Mauro Pezzè. Towards Formalizing Structured Analysis. *ACM Transactions on Software Engineering and Methodology - ACM Press*, vol. 7(1): 80-107, January 1998.
5. Luciano Baresi and Mauro Pezzè. Formal Interpreters for Diagram Notations. *ACM Transactions on Software Engineering and Methodology - ACM Press*, vol. 14(1): 42-84, January 2005.
6. Luciano Baresi, Reiko Heckel, Sebastian Thöne, and Daniel Varrò. Style-Based Modeling and Refinement of Service-Oriented Architectures - A graph transformation-based approach. *Software and Systems Modeling - Springer-Verlag*, vol. 5(2): 187-207, June 2006.
7. Luciano Baresi, Elisabetta Di Nitto, and Carlo Ghezzi. Toward Open-World Software: Issue and Challenges. *Computer, IEEE*, vol. 39(10): 36-43, October 2006.
8. Luciano Baresi, Elisabetta di Nitto, Carlo Ghezzi e Sam Guinea. A Framework for the Deployment of Adaptable Web Service Compositions. *Service Oriented Computing and Applications - Springer-Verlag*. vol. 1(1): 75-91, April 2007.
9. Luciano Baresi and Sandro Morasca. Three Empirical Studies on Estimating the Design Effort of Web Applications. *ACM Transactions on Software Engineering and Methodology - ACM Press*, vol. 16(4): articolo 15, Settembre 2007, 40 pages.
10. Luciano Baresi, Domenico Bianculli, Carlo Ghezzi, Sam Guinea, and Paola Spoletini. Validation of Web Service Compositions. *IET Software*, vol. 1(6): 219-232, December 2007.
11. Vahid Rafe, Adel Torkaman Rahmani, Luciano Baresi, and Paola Spoletini. Towards Automated Verification of Layered Graph Transformation Specifications. *IET Software, The Institution of Engineering and Technology*. August 2009.
12. Luciano Baresi, Sam Guinea, Olivier Nano, and George Spanoudakis. Comprehensive Monitoring of BPEL Processes, *IEEE Internet Computing*, vol. 14 no. 3, 50-57, May/June 2010.
13. Luciano Baresi, Carlo Ghezzi, and Luca Mottola. Loupe: Verifying Publish-Subscribe Architectures with a Magnifying Lens. *IEEE Transactions on Software Engineering*, vol. 37 no. 2, 228-246, March/April 2011.
14. Luciano Baresi and Sam Guinea. Self-supervising BPEL Processes. *IEEE Transactions on Software Engineering*, vol. 37 no. 2, 247-263, March/April 2011.

15. Danilo Ardagna, Luciano Baresi, Sara Comai, Marco Comuzzi, and Barbara Pernici. A Service-based Framework for Flexible Business Processes. *IEEE Software*, vol. 28 no. 2, 61-67, March/April 2011.
16. Luciano Baresi, Sam Guinea, and Liliana Pasquale. Service-Oriented Dynamic Software Product Lines. *IEEE Computer*, vol. 45 no. 10, 42-48, October 2012.
17. Luciano Baresi and Carlo Ghezzi. A Journey Through SMScom: Self-Managing Situational Computing. *Computer Science - Research and Development*, Springer. Published on-line, November 2012.
18. Yu Zhou, Luciano Baresi, Matteo Rossi. Towards a Formal Semantics for UML/MARTE State Machines Based on Hierarchical Timed Automata. *Journal of Computer Science and Technology*, Springer, vol. 28 no. 1, 188-202, January 2013.
19. Luciano Baresi, Gundula Blohm, Dimitrios S. Kolovos, Nicholas Matragkas, Alfredo Motta, Richard F. Paige, Alek Radjenovic, and Matteo Rossi. Formal verification and validation of embedded systems: the UML-based MADES approach. *Software and System Modeling*, Springer, 14(1): 343-363 (2015).
20. Luciano Baresi, Matteo Miraz, Pierluigi Plebani. A distributed architecture for efficient Web service discovery. *Service Oriented Computing and Applications*, Springer, 10(1): 1-17 (2016).
21. Danilo Filgueira Mendonça, Genaina Nunes Rodrigues, Raian Ali, Vander Alves, Luciano Baresi. GODA: A goal-oriented requirements engineering framework for runtime dependability analysis. *Information & Software Technology*, Elsevier. 80: 245-264 (2016).
22. Luciano Baresi, Carlo Ghezzi, Xiaoxing Ma, and Valerio Panzica La Manna. Efficient Dynamic Updates of Distributed Components through Version Consistency. *Transactions on Software Engineering*, IEEE. To appear 2017.
23. Luciano Baresi, Marcio Delamaro, Paulo Nardi. Test oracles for simulink-like models. *Automated Software Engineering Journal*, Springer. Volume 24, Issue 2, 369-391, June 2017.
24. Rick Rabiser, Sam Guinea, Michael Vierhauser, Luciano Baresi, and Paul Grünbacher. A Comparison Framework for Runtime Monitoring Approaches. *The Journal of Systems & Software*, Elsevier. vol. 125, March 2017, pp. 309-321.
25. Giovanni Meroni, Luciano Baresi, Marco Montali, Pierluigi Plebani. Multi-party business process compliance monitoring through IoT-enabled artifacts. *Information Systems* 73: 61-78 (2018)

## BOOKS

1. Luciano Baresi, Luigi Lavazza, and Massimiliano Piaciamore. Dall'idea al codice con UML 2. Pearson Education Italia. June, 2006. In Italian.
2. Luciano Baresi e E. Di Nitto (edited by). *Test and Analysis of Web Services*. Springer. September, 2007.

## EXERCISE BOOKS

1. Luciano Baresi, Chiara Francalanci, Fabio Schreiber, and Letizia Tanca. *Progettazione Integrata di dati e funzioni --- Esercizi svolti e commentati con i Modelli Entità-Relazioni, Data Flow e Unified Modeling Language (UML)*. Esculapio editore. September 2003. In Italian.
2. Luciano Baresi, Marco Brambilla, Cinzia Cappiello, and Pierluigi Plebani. *EUCIP --- Esercitazioni. Tecniche nuove*. October 2005. In Italian.

## EDITED PROCEEDINGS

1. Luciano Baresi, Jean Jacques Lévy, Richard Mayr, Mauro Pezzè, Gabriele Taentzer, and Christos Zaroliagis. *Proceedings of the Satellite Workshops of the 28th International Colloquium on Au-*



- tomata, Languages, and Programming (ICALP), 2001. Electronic Notes in Theoretical Computer Science, volume 50.
2. Luciano Baresi, Mike Hinchey, Mei Hwa Chen, and Shaoying Liu. Proceedings of the IEEE Conference on Engineering Complex Computer Systems. IEEE-CS, 2002.
  3. Giuseppe Santucci Wolfgang Klas Michela Bertolotto Coral Calero, and Luciano Baresi. Proceedings of the Fourth International Conference on Web Information Systems Engineering - Workshops, 2003.
  4. Luciano Baresi, Shahram Dustdar, Harald Gall, and Maristella Matera. Proceedings of the CAiSE Workshop on Ubiquitous Mobile Information and Collaboration Systems. Lecture Notes in Computer Science 3272, Springer, 2005.
  5. Luciano Baresi and Reiko Heckel. Proceedings of the 9th International Conference on Fundamental Approaches to Software Engineering. Lecture Notes in Computer Science 3922, Springer, 2006.
  6. Luciano Baresi, Geert-Jan Houben, and Piero Fraternali. Proceedings of the 7th International Conference on Web Engineering. Lecture Notes in Computer Science 4607, Springer, 2007.
  7. Luciano Baresi Chi-Hung Chi, and Jun Suzuki. Proceedings of 7th International Joint Conference, ICSOC-ServiceWave 2009. Lecture Notes in Computer Science 5900, Springer, 2009.
  8. Hausi A. Müller and Luciano Baresi. Proceedings of the 7th International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS), IEEE-CS, 2012.
  9. Bertrand Meyer, Luciano Baresi, Mira Mezini. Proceedings of Joint Meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering, ESEC/FSE'13, Saint Petersburg, Russian Federation. ACM 2013.
  10. Matteo Baldoni, Luciano Baresi, Luciano, Mehdi Dastani. Engineering Multi-Agent Systems, Proceedings of EMAS 2015, the Third International Workshop: Revised, Selected, and Invited Papers, Istanbul, Turkey. Lecture Notes in Artificial Intelligence 9318, Springer, 2015.

## EDITED SPECIAL ISSUES

1. Luciano Baresi, S. Dustdar, H. Gall, and M. Matera. Ubiquitous Mobile Information and Collaboration Systems. Personal and Ubiquitous Computing, Springer-Verlag, Vol. 9(5), September 2005.
2. Luciano Baresi, G.J. Houben, and P. Fraternali. Design of Sophisticated Web-based Systems – Editorial. Journal of Web Engineering, Rinton Press. Vol.8 No.1, 2009.
3. Luciano Baresi and Hausi Müller, Introduction to Special Issue on Best Papers from SEAMS 2012, Transactions on Autonomous Adaptive Systems, ACM, 2014.
4. Luciano Baresi, Schahram Dustdar, and Luca Mottola. Building Software for the Internet of Things. IEEE Internet Computing. IEEE CS, march/april 2015.

## CONTRIBUTIONS TO INTERNATIONAL BOOKS

1. Luciano Baresi, Fabio Casati, Silvana Castano, Maria Grazia Fugini, Paul Grefen, Isabelle Mirbel, Barbara Pernici, and Giuseppe Pozzi. Workflow Design Methodology. In P. Grefen, B. Pernici e G. Sanchez (edited by), Database Support for Workflow Management: the WIDE Project, 1999, 47-94. Kluwer Academic Publishers.
2. Luciano Baresi and Mauro Pezzè. On Formalizing UML with High-Level Petri Nets. In G. Agha e F. De Cindio (edited by) Concurrent Object-Oriented Programming and Petri Nets, 271-300. Lecture Notes in Computer Science 2001, Springer-Verlag, 2001.
3. Luciano Baresi, Carlo Ghezzi, and Luca Zanolin. Modeling and Validation of Publish/Subscribe Architectures. In S. Beydeda e V. Gruhn (edited by) Testing Commercial-off-the-shelf Components And Systems, 273-292, Springer, 2005.

4. Luciano Baresi and Mauro Pezzè. From Graph Transformation to Software Engineering and Back. In H.J. Kreowski et al. (edited by) *Formal Methods in Software and Systems Modeling: Essays Dedicated to Hartmut Ehrig on the Occasion of His 60th Birthday*. Lecture Notes in Computer Science 3393, 24-37, Springer, 2005.
5. Luciano Baresi, Sebastiano Colazzo, Luca Mainetti, and Sandro Morasca. W2000: A Modeling Notation for Complex Web Applications. In E. Mendes e N. Mosley (edited by) *Web Engineering*, 335-408, Springer, 2006.
6. Luciano Baresi, Carlo Ghezzi, and Sam Guinea. Towards Self-healing Compositions of Services. In B.J. Krämer e Wolfgang A. Halang (edited by) *Contributions to Ubiquitous Computing. Volume 42 of Studies in Computational Intelligence*, 27--46, Springer, 2006.
7. Marzia Adorni, Francesca Arcelli, Carlo Batini, Marco Comerio, Flavio De Paoli, Simone Grega, Paolo Losi, Andrea Maurino, Claudia Raibulet, Francesco Tisato, Danilo Ardagna, Luciano Baresi, Cinzia Cappiello, Marco Comuzzi. Chiara Francalanci, Stefania Modafferi, and Barbara Pernici. The MAIS Approach to Web Service Design In K. Siau (edited by) *Advanced Topics in Database Research (volume 5)*, Idea Group Publishing, 2006.
8. Luciano Baresi and Sam Guinea. Business Process Monitoring for Dependability. In R. de Lemos, C. Gacek and A. Romanovsky (edited by) *Architecting Dependable Systems IV*, 337--361. Lecture Notes in Computer Science 4615, Springer-Verlag, 2007.
9. Massimiliano Di Penta, Leire Bastida, Alberto Sillitti, Luciano Baresi, Neil Maiden, Matteo Melideo, Marcel Tilly, George Spanoudakis, Jesus Gorroñoigoitia Cruz, J. Hutchinson, G. Ripa. SeCSE - Service Centric System Engineering: an overview. In E. Di Nitto, A.M. Sassen and Arian Zwegers (edited by) *At your service: An overview of results of projects in the field of service engineering of the IST programme*. MIT Press, 2009.
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7. Luciano Baresi. My first ten years with self-adaptive software. Presented at the Symposium on Software Complexity and Evolution: Advances and Visions (Trento), February 2013.
8. Luciano Baresi. Software Engineering and Multi-Agent Systems (in the context of Self-\* Software). Invited Presentation at the workshop on Engineering Multi-Agent Systems (EMAS), satellite of AAMAS, May 2013.
9. Luciano Baresi. Is runtime validation really needed? Invited presentation at 2nd International Workshop on Quality Assurance for Service-based applications, satellite event of ISSTA, July 2013.
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