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Hindex/citations: 54/11703 (Scholar) – 36/4825 (Scopus) data collected on 24/02/2022

EDUCATION

1992 Laurea (Master's) degree in electronic engineering (Computer Science) - Politecnico di Milano
1997 PhD degree in Computer Science - Politecnico di Milano (advisor: Professor Mauro Pezzè)

ACADEMIC POSITIONS

1998-1999 Visiting researcher at University of Oregon – Eugene, USA (jun-sep 1998 and jun-sep 1999)
2001 Visiting professor at University of Oregon – Eugene, USA (jan-mar)
2001-2003 Assistant professor, Politecnico di Milano
2003 Visiting researcher at University of Paderborn, Germany (jan-feb and oct-nov)
2003-2015 Associate professor, Politecnico di Milano
2008 Visiting professor at Tongji University, Shanghai, China, in the context of PoliTong and of the Sino-Italian campus (sep-oct)
2015- Full professor, Dipartimento di Elettronica Informazione e Bioingegneria, Politecnico di Milano

AWARDS

1998/1999 CNR (Italian National Research Council) grant, short-term mobility, for the research periods at the University of Oregon (Eugene – USA) (jun-sep)
2006 IBM Shared University Research (SUR) Award for the project called WS-Testing, with professor Alessandro Orso, Georgia Institute of Technology, USA
2007 IBM Faculty Award for the project called Development of a curriculum on service engineering, with professor Barbara Pernici, Politecnico di Milano, Italy
2020 RE 2020 Most Influential Paper (MIP) Award for the impact of our RE 2010 paper: "Fuzzy Goals for Requirements-Driven Adaptation", (co-authored with L. Pasquale and P. Spoletini), which was first presented at the 2010 IEEE International Requirements Engineering Conference in Sydney, Australia
2020 ICSSOC 2020 Best Paper Award for the paper: "Feature-Model-Guided Online Reinforcement Learning for Self-Adaptive Services", (co-authored with A. Metzger, C. Quinton, Z. Mann, and K. Pohl), presented at the 2020 International Conference on Service-Oriented Computing in Dubai (virtual), United Arab Emirates
2022 SEAMS 2022 Best paper award for the paper: "NEPTUNE: Network- and GPU-aware Management of Serverless Functions at the Edge", (c-authored with Davide Yi Xian Hu, Giovanni Quattrocchi, and Luca Terracciano), presented at the 2022 International Symposium on Software Engineering for Adaptive and Self-Managing Systems in Pittsburgh (virtual), USA

TEACHING ACTIVITIES

2001- Different introductory courses in computer science, software engineering, and software design, Politecnico di Milano
2001 Diagram Languages: UML and Beyond (CIS 410/510), University of Oregon, Eugene, USA

- 2007-2010 Service Technologies, master's degree, Politecnico di Milano (course creator)
- 2008 Software engineering and Advanced programming, Tongji University, Shanghai, China
- 2012- Design and implementation of mobile application, master's degree, Politecnico di Milano (course creator)

PROFESSIONAL ACTIVITIES

POLITECNICO DI MILANO

- 2009-2011 Chair of the bachelor's degree program in Engineering Computing Systems, Politecnico di Milano, Cremona campus
- 2011-2016 Member of the board of professors of the doctoral program in Information Technology at Politecnico di Milano
- 2013-2017 Co-coordinator of S-Cube, research lab at Politecnico in cooperation with Telecom Italia
- 2017-2022 Responsible for exchange students (e.g., double degrees and Erasmus+ students) for computer engineering students at Politecnico di Milano.
- 2018-2020 Member of the board of professors of the doctoral program in Data Science and Computation at Università di Bologna and Politecnico di Milano
- 2020- Member of the board of professors of the doctoral program in Information Technology at Politecnico di Milano

ORGANIZATION OF SCIENTIFIC MEETINGS

- 2016 General chair, IEEE/IFIP Working Conference on Software Architecture (WICSA)
- 2024 General chair, International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS)
- 2002 Program co-chair, IEEE International Conference on Engineering of Complex Computer Systems (ICECCS), with M. Hinchey, M. Chen e S. Liu.
- 2006 Program co-chair, ETAPS Fundamental Approaches to Software Engineering (FASE), with R. Heckel
- 2007 Program co-chair, International Conference on Web Engineering (ICWE), with G.-J. Houben
- 2009 Program co-chair, International Conference on Service-oriented Computing (ICSOC), with J. Suzuki e C.H. Chi
- 2012 Program chair, International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS)
- 2013 Program co-chair, Joint meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE), with Mira Mezini
- 2019-2020 Program co-chair, IEEE International Conference on Service Computing, held as part of the IEEE Service Congress.
- 2005- Workshop chair for the Joint meeting of the European Software Engineering Conference and the Symposium on the Foundations of Software Engineering (ESEC/FSE) (2005), the International Conference on Software Engineering (ICSE), (2009) (with V. Braberman), and the International Requirements Engineering Conference (RE), 2011 (with D. Amyot)
 Publicity chair for the International Software Metrics Symposium (Metrics) (2005)
 Poster chair for the International Conference on Software Engineering (ICSE) (2013)
 Local arrangement chair for the Joint meeting of the European Software Engineering Conference and the Symposium on the Foundations of Software Engineering (ESEC/FSE) (2015) (with Angelo Gargantini).
- 2013 Co-organizer, Dagstuhl seminar on Customizing Service Platforms, with Heiko Ludwig, Andreas Rummler, and Klaus Schmid (April 2013)
- 2014 Co-organizer, Dagstuhl seminar on Feature Interactions: The Next Generation, with Sven Apel, Pamela Zave, and Jo Atlee (July 2014)

REVIEWER FOR AND EDITORIAL BOARDS

- 2001- Member of many scientific program committees. For example: International Conference on Service-Oriented Computing, Conference on Web Services, International Conference on Software Engineering, European Software Engineering Conference, Symposium on the Foundations of Software Engineering, Symposium on Software Engineering for Adaptive and

- Self-Managing Systems, Self-Adaptive and Self-Organizing Systems Conference, and International Conference on Autonomic Computing
- 2005- Project evaluator and reviewer for: European Union, Netherlands Organisation for Scientific Research (Netherlands), Mitacs (Canada), Vienna Science and Technology Fund (Austria), National Council for Scientific Research (Romania), Fundação para a Ciência e a Tecnologia (Portugal), TrentoRISE (Italy), INRIA (France), Israel Science Foundation (Israel), Provincia Autonoma di Trento (Italy), Regione Puglia (Italy), Swiss Science Foundation (Switzerland), and Icelandic Research Fund (Iceland)
- 2009-2015 Editorial board member, Service Oriented Computing and Applications (Springer)
- 2012- Editorial board member, Transactions on Autonomous and Adaptive Systems (ACM)
- 2013-2017 Editorial board member, Transactions on Software Engineering (IEEE)
- 2013-2022 Editorial board member, Transactions on Service Computing (IEEE)
- 2016- Editorial board member, Requirements Engineering (Springer)
- 2018- Editorial board member, IEEE Software (IEEE)
- 2020- Editorial board member, Science of Computer Programming (Elsevier)

OTHER ACTIVITIES

- 2012-2016 Co-founder and chair of the IFIP WG on Services-Oriented Systems (2.14, 6.12, 8.10)
- 2015- Chair of the Steering Committee of the European Software Engineering Conference, and from 2018 of the integrated Steering Committee of the European Software Engineering Conference and of the Symposium on the Foundations of Software Engineering
- 2015- Member, Association for Computing Machinery (ACM)
- 2020- Member of the Research Committee at Free University of Bozen (Italy)

YOUNG RESEARCHERS

PHD: SUPERVISOR

Chiara Criscuolo (from 2022), Naser Derakhshan, Sam Guinea, Davide Hu Yi Xian (from 2021), Anita Imani, Danilo Mendonça, Matteo Miraz, Alfredo Motta, Liliana Pasquale, Mohammad Pourhashem, Giovanni Quattrocchi, Mersedeh Sadeghi, Marva Saleem (from 2022), Adnan Shahzada, and Inacio Ticongolo (from 2022).

POST-DOC RESEARCHERS

Martin Garriga, Valerio Panzica La Manna, Giovanni Quattrocchi, Clement Quinton, Nicholas Rasi, Konstantin Rubinov, Yu Zhu.

PHD: 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, PhD program in Spatial Planning and Urban Development, 2014, Felipe Pontes Guimarães, Universidade de Sao Paulo (Brasil), 2017, Luigi Manco, Università del Salento (Italy), 2017, Martina De Sanctis, Università di Trento/FBK (Italy), 2018, Edith Zavala, Universitat, Politecnica de Catalunya (Spain), 2019, Antonio Teofilo, Universidade Nova de Lisboa (Portugal), 2020, Alessandro Aliberti, Politecnico di Torino (Italy), 2020

RESEARCH PROJECTS

PRINCIPAL INVESTIGATOR AT THE POLITECNICO DI MILANO

- 2006-2008 MOMOCS (MOdel driven MOdernisation of Complex Systems): EU FP6 (Specific Targeted Research Project): IST-2005-2.5.5 - Software and Services
- 2008-2011 SLA@SOI (Empowering the Service Economy with SLA-aware Infrastructures), EU FP7 (Collaborative project): ICT-2007.1.2 - Service and software architectures, infrastructures and engineering
- 2010-2012 MADES (Model-based methods and tools for Avionics and surveillance embeddeD SystEmS), EU FP7 (Collaborative project): ICT-2009.3.4 - Embedded Systems Design
- 2010-2013 INDENICA (Engineering Virtual Domain-Specific Service Platforms). EU FP7 (Collaborative project): ICT-2009.1.2 - Internet of Services, Software and Virtualisation
- 2012-2014 SITAD (Sistema Integrato di Telemedicina e Assistenza Domiciliare) - Regione Lombardia e Ministero dell'Istruzione, Università e Ricerca
- 2014-2017 EEB – Edifici A Zero Consumo Energetico In Distretti Urbani Intelligenti (Italian Technology Cluster for Smart Communities) - PON Ricerca e Competitività, Ministero dell'Istruzione, Università e Ricerca
- 2014-2021 ITS Italy 2020 - Soluzioni ICT a supporto della logistica e dei processi di trasporto (Italian Technology Cluster on Transportation). – PON Ricerca e Competitività, Ministero dell'Istruzione, Università e Ricerca
- 2016-2018 Sistema innovativo di Big Data Analytics. Accordi di Competitività della Regione Lombardia
- 2016-2018 Dossier-cloud (DevOps-based Software Engineering for the Cloud. EU H2020 (Coordination and support action): H2020-TWINN-2015 – Twinning
- 2017 MeMoSa (in-car Media Entertainment Mobility and Safety). EIT (European Institute of Innovation and Technology) Digital
- 2017-2020 Gauss (Governing Adaptive and Unplanned Systems of Systems), Italian Ministry of Education, University and Research, PRIN program
- 2019-2022 Sisma (Solutions for Engineering Microservices Architectures), Italian Ministry of Education, University and Research, PRIN program
- 2022-2024 Emeliot (Engineered MachinE Learning-intensive IoT systems), Italian Ministry of Education, University and Research, PRIN program

TECHNICAL COORDINATOR

- 2014-2015 Giocosio (Giochi pediatrici per la comunicazione e la socializzazione). Smart Cities and Communities - Regione Lombardia
- 2014-2018 PSC (Piattaforma dei servizi nel settore della giustizia civile). Smart Cities and Communities, Ministero dell'Istruzione, Università e Ricerca
- 2021-2024 ICT4Dev: Innovation Space as an Interface between Eduardo Mondlane University and Mozambican Society by promoting Science, Technology and Innovation. Supported by the Italian Agency for Cooperation and Development

MY TEN MOST REPRESENTATIVE PUBLICATIONS (IN THE LAST 10 YEARS)

1. Luciano Baresi, Davide Yi Xian Hu, Giovanni Quattrocchi, Luca Terracciano: NEPTUNE: Network- and GPU-aware Management of Serverless Functions at the Edge. In Proceedings of the International Symposium on Software Engineering for Adaptive and Self-Managing Systems, SEAMS: 144-155 (2022).
2. Mohammad Mehdi Pourhashem Kallehbasti, Matteo Rossi, Luciano Baresi: On How Bit-Vector Logic Can Help Verify LTL-Based Specifications. IEEE Transactions on Software Engineering 48(4): 1154-1168 (2022)
3. Luciano Baresi, Alberto Leva, Giovanni Quattrocchi: Fine-Grained Dynamic Resource Allocation for Big-Data Applications. IEEE Transactions on Software Engineering 47(8): 1668-1682 (2021)
4. Christos Tsiganos, Martin Garriga, Luciano Baresi, Carlo Ghezzi: Cloud Deployment Tradeoffs for the Analysis of Spatially Distributed Internet of Things Systems. ACM Transactions on Internet Technology 20(2): 17:1-17:23 (2020)
5. Luciano Baresi, Danilo Filgueira Mendonca, Martin Garriga, Sam Guinea, Giovanni Quattrocchi: A Unified Model for the Mobile-Edge-Cloud Continuum. ACM Transactions on Internet Technology. 19(2): 29:1-29:21 (2019)

6. Luciano Baresi, Giovanni Denaro, Giovanni Quattrocchi: Symbolic Execution-driven Extraction of the Parallel Execution Plans of Spark Applications. In Proceedings of the European Software Engineering Conference and International Symposium on the Foundations of Software Engineering, 246-256 (2019).
7. Luciano Baresi, Angelo Morzenti, Alfredo Motta, Mohammad Mehdi Pourhashem, Matteo Rossi: A Logic-based Approach for the Verification of UML Timed Models. ACM Transactions on Software Engineering and Methodology 26(2): art. 7:1-47 (2017)
8. Luciano Baresi, Carlo Ghezzi, Xiaoxing Ma, Valerio Panzica La Manna: Efficient Dynamic Updates of Distributed Components Through Version Consistency. IEEE Transactions on Software Engineering 43(4): 340-358 (2017)
9. Luciano Baresi, Sam Guinea, Alberto Leva, Giovanni Quattrocchi: A Discrete-time Feedback Controller for Containerized Cloud Applications. In Proceedings of the International Symposium on the Foundations of Software Engineering, 217-228 (2016)
10. Luciano Baresi, Mohammad Mehdi Pourhashem Kallehbasti, Matteo Rossi: Efficient Scalable Verification of LTL Specifications. In Proceedings of the 37th International Conference on Software Engineering, 711-721 (2015)

The complete list of my publications is available here: <https://dblp.org/pid/b/LucianoBaresi.html>