

## Pubblicazioni scientifiche di cui all'art.7 DM 120/2016

1	2017	<p>Articolo in rivista</p> <p>Franzago, Mirco, Ruscio, Davide Di, Malavolta, Ivano, Muccini, Henry (2017). Collaborative Model-Driven Software Engineering: a Classification Framework and a Research Map. IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, p. 1, ISSN: 0098-5589, doi: 10.1109/TSE.2017.2755039</p>
2	2014	<p>Articolo in rivista</p> <p>Patricia Lago, Ivano Malavolta, Muccini H, Patrizio Pelliccione, Antony Tang (2014). The Road Ahead for Architectural Languages. IEEE SOFTWARE, vol. 32, p. 98-105, ISSN: 0740-7459, doi: 10.1109/MS.2014.28</p>
3	2013	<p>Articolo in rivista</p> <p>Ivano Malavolta, Patricia Lago, Muccini h, Patrizio Pelliccione, Antony Tang (2013). What Industry needs from Architectural Languages: A Survey. IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, vol. 39, p. 869-891, ISSN: 0098-5589, doi: 10.1109/TSE.2012.74</p>
4	2013	<p>Articolo in rivista</p> <p>Antonia Bertolino, Inverardi P, Henry Muccini (2013). Software architecture-based analysis and testing: a look into achievements and future challenges. COMPUTING, vol. 95, p. 633-648, ISSN: 0010-485X, doi: 10.1007/s00607-013-0338-9</p>
5	2012	<p>Articolo in rivista</p> <p>Eramo R, Malavolta I, Muccini H, Pelliccione P, Pierantonio A (2012). A model-driven approach to automate the propagation of changes among Architecture Description Languages. SOFTWARE AND SYSTEMS MODELING, vol. 11, p. 29-53, ISSN: 1619-1366, doi: 10.1007/s10270-010-0170-z</p>
6	2012	<p>Contributo in Atti di convegno</p> <p>Muccini H, Antonio Di Francesco and Patrizio Esposito (2012). Software Testing of Mobile Applications: Challenges and Future Research Directions. In: 7th IEEE/ACM International Workshop on Automation of Software Test (AST 2012) @ ICSE 2012, IEEE Digital Library, 2012. IEEE Computer Society, Zurich, May 2012</p>
7	2010	<p>Articolo in rivista</p> <p>IVANO MALAVOLTA, HENRY MUCCINI, PELLICCIONE P, AND DAMIEN TAMBURRI (2010). Providing Architectural Languages and Tools Interoperability through Model Transformation Technologies. IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, vol. 36:1, p. 119-140, ISSN: 0098-5589, doi: 10.1007/s10515-007-0012-6</p>

8	2010	Articolo in rivista PENGCHENG ZHANG, MUCCINI H, BIXIN LI (2010). A classification and comparison of model checking software architecture techniques. THE JOURNAL OF SYSTEMS AND SOFTWARE, vol. 835, p. 723-744, ISSN: 0164-1212
9	2010	Contributo in Atti di convegno Di Ruscio D, Malavolta I, Muccini H, Pelliccione P, Pierantonio A (2010). Developing next generation ADLs through MDE techniques. In: Proceedings - International Conference on Software Engineering. p. 85-94, NEW YORK, NY, USA:Association for Computing Machinery, Inc. (ACM), ISBN: 978-1-60558-719-6, Cape Town, South Africa, 2-8 May 2010, doi: 10.1145/1806799.1806816
10	2009	Articolo in rivista PATRICIA LAGO, MUCCINI, HENRY, HANS VAN VLIET (2009). A Scoped Approach to Traceability Management. THE JOURNAL OF SYSTEMS AND SOFTWARE, vol. 82, p. 168-182, ISSN: 0164-1212
11	2009	Articolo in rivista PELLICCIONE P, PAOLA INVERARDI, HENRY MUCCINI (2009). CHARMY: A Framework for Designing and Verifying Architectural Specifications. IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, vol. 35(3), p. 325-346, ISSN: 0098-5589, doi: 10.1109/TSE.2008.104
12	2006	Articolo in rivista MUCCINI H, M. DIAS AND D. J. RICHARDSON (2006). Software Architecture-based Regression Testing. THE JOURNAL OF SYSTEMS AND SOFTWARE, vol. 79, p. 1379-1396, ISSN: 0164-1212, doi: 10.1016/j.jss.2006.02.059
13	2004	Articolo in rivista H. MUCCINI, A. BERTOLINO, INVERARDI P (2004). Using Software Architecture for code testing. IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, vol. 30, p. 160-171, ISSN: 0098-5589, doi: 10.1109/TSE.2004.1271170
14	2004	Articolo in rivista D. DI RUSCIO, MUCCINI H, A. PIERANTONIO (2004). A Data Modeling Approach to Web Application Synthesis. INTERNATIONAL JOURNAL OF WEB ENGINEERING AND TECHNOLOGY, vol. 1, p. 320-337, ISSN: 1476-1289, doi: 10.1504/IJWET.2004.005236
15	2003	Articolo in rivista MUCCINI H, A. VAN DER HOEK. (2003). Towards Testing Product Line Architectures. ELECTRONIC NOTES IN THEORETICAL COMPUTER SCIENCE, vol. 82, ISSN: 1571-0661, doi: 10.1016/S1571-0661(04)81029-6,

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2	2017	<p>Articolo in rivista</p> <p>Carver, Jeffrey C., Cabot, Jordi, Capilla, Rafael, MUCCINI, HENRY (2017). GitHub, Technical Debt, Code Formatting, and More. IEEE SOFTWARE, vol. 34, p. 105-107, ISSN: 0740-7459, doi: 10.1109/MS.2017.51</p>
3	2017	<p>Abstract in rivista</p> <p>Carver, Jeffrey C., Muccini, Henry, Yamashita, Aiko (2017). Distributed Teams, Developer Participation, and More. IEEE SOFTWARE, vol. 34, p. 114-116, ISSN: 0740-7459, doi: 10.1109/MS.2017.85</p>
4	2017	<p>Contributo in Atti di convegno</p> <p>Di Ruscio, Davide, Franzago, Mirco, Malavolta, Ivano, Muccini, Henry (2017). Envisioning the future of collaborative model-driven software engineering. In: IEEE/ACM 39th International Conference on Software Engineering Companion, ICSE-C 2017. p. 219-221, Institute of Electrical and Electronics Engineers Inc., ISBN: 9781538615898, arg, 2017, doi: 10.1109/ICSE-C.2017.143</p>
5	2017	<p>Contributo in Atti di convegno</p> <p>Muccini, Henry, Sharaf, Mohammad (2017). CAPS: Architecture Description of Situational Aware Cyber Physical Systems. In: Proceedings - 2017 IEEE International Conference on Software Architecture, ICSA 2017. p. 211-220, 345 E 47TH ST, NEW YORK, NY 10017 USA:Institute of Electrical and Electronics Engineers Inc., ISBN: 9781509057290, swe, 2017, doi: 10.1109/ICSA.2017.21</p>
6	2017	<p>Contributo in Atti di convegno</p> <p>Sharaf, Mohammad, Abughazala, Moamin, Muccini, Henry, Abusair, Mai (2017). An architecture framework for modelling and simulation of situational-aware cyber-physical systems. In: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). vol. 10475, p. 95-111, Springer Verlag, ISBN: 9783319658308, gbr, 2017, doi: 10.1007/978-3-319-65831-5_7</p>

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8	2016	Articolo in rivista Carver Jeffrey C., De Almeida Eduardo Santana, Capilla Rafael, Minku Leandro L., Muccini Henry, Penzenstadler Birgit (2016). Product Lines, Energy Conservation, Use Cases, Agile Development, and Infotainment. IEEE SOFTWARE, vol. 33, p. 29-31, ISSN: 0740-7459, doi: 10.1109/MS.2016.74
9	2016	Contributo in volume (Capitolo o Saggio) Crnkovic Ivica, Malavolta Ivano, Muccini Henry, Sharaf Mohammad (2016). On the Use of Component-Based Principles and Practices for Architecting Cyber-Physical Systems. In: Ivica Crnkovic Ivano Malavolta Henry Muccini Mohammad Sharaf. Proceedings - 2016 19th International ACM SIGSOFT Symposium on Component-Based Software Engineering, CBSE 2016. p. 23-32, Institute of Electrical and Electronics Engineers Inc., ISBN: 9781509025695, doi: 10.1109/CBSE.2016.9
10	2016	Contributo in volume (Capitolo o Saggio) Muccini Henry, Sharaf Mohammad, Weyns Danny (2016). Self-adaptation for cyber-physical systems: a systematic literature review. In: Henry Muccini Mohammad Sharaf Danny Weyns. Proceedings of the 11th International Symposium on Software Engineering for Adaptive and Self-Managing Systems, SEAMS@ICSE 2016, Austin, Texas, USA, May 14-22, 2016..
11	2016	Contributo in Atti di convegno Brambilla, Marco, Mauri, Andrea, Franzago, Mirco, Muccini, Henry (2016). A model-based method for Seamless web and mobile experience. In: Mobile! 2016 - Proceedings of the 1st International Workshop on Mobile Development, co-located with SPLASH 2016. p. 33-40, 1515 BROADWAY, NEW YORK, NY 10036-9998 USA:Association for Computing Machinery, Inc, ISBN: 9781450346436, nld, 2016, doi: 10.1145/3001854.3001857
12	2016	Curatela Muccini Henry, Harper K. Eric, Heinrich Robert, Bosch Jan, Plouzeau Noël, Zimmermann Olaf, Baresi Luciano, Cortellessa Vittorio (a cura di) (2016). Welcome Message from the Chairs of WICSA, QoSA and CBSE. p. vii-viii, Institute of Electrical and Electronics Engineers Inc., ISBN: 9781509025695, doi: 10.1109/CBSE.2016.4
13	2015	Articolo in rivista Muccini, Henry, Tang, Antony (2015). Special issue: Selected papers from the 12th International Conference on Quality Software (QSIC 2012). SCIENCE OF COMPUTER PROGRAMMING, vol. 97, p. 381-382, ISSN: 0167-6423, doi: 10.1016/j.scico.2014.05.001

14	2015	Contributo in volume (Capitolo o Saggio) Abadi Aharon, Humayoun Shah Rukh, Muccini Henry (2015). Proceedings of the 3rd International Workshop on Software Development Lifecycle for Mobile. In: Aharon Abadi Shah Rukh Humayoun Henry Muccini. (a cura di): Aharon Abadi Shah Rukh Humayoun Henry Muccini, Proceedings of the 3rd International Workshop on Software Development Lifecycle for Mobile., ISBN: 978-1-4503-3815-8
15	2015	Contributo in Atti di convegno Ameller David, Franch Xavier, Gómez Cristina, Araújo João, Berntsson-Svensson Richard, Biffi Stefan, Cabot Jordi, Cortellessa Vittorio, Daneva Maya, Fernández Daniel Méndez, Moreira Ana, Muccini Henry [...] en Development: An ongoing industrial survey. In: 23rd IEEE International Requirements Engineering Conference, RE 2015, Ottawa, ON, Canada, August 24-28, 2015. p. 208-213, doi: 10.1109/RE.2015.7320424
16	2015	Contributo in Atti di convegno Muccini, Henry, Tamburri, Damian A., Smrithi Rekha, V. (2015). On the social dimensions of architectural decisions. In: IFIP Advances in Information and Communication Technology. vol. 9278, p. 137-145, GEWERBESTRASSE 11, CHAM, CH-6330, SWITZERLAND:Springer New York LLC, ISBN: 9783319237268, hrv, 2015, doi: 10.1007/978-3-319-23727-5_11
17	2015	Contributo in Atti di convegno Malavolta, Ivano, Muccini, Henry, Sharaf, Mohammad (2015). A preliminary study on architecting cyber-physical systems. In: ACM International Conference Proceeding Series. vol. 07-11-, p. 1-6, Association for Computing Machinery, ISBN: 9781450333931, hrv, 2015, doi: 10.1145/2797433.2797453
18	2015	Contributo in Atti di convegno Guaiani, Fabio, Muccini, Henry (2015). Crowd and Laboratory Testing, Can They Co-exist? An Exploratory Study. In: Proceedings - 2nd International Workshop on CrowdSourcing in Software Engineering, CSI-SE 2015. p. 32-37, 345 E 47TH ST, NEW YORK, NY 10017 USA:Institute of Electrical and Electronics Engineers Inc., ISBN: 9781479919345, ita, 2015, doi: 10.1109/CSI-SE.2015.14
19	2015	Curatela Cortellessa Vittorio, Muccini Henry (a cura di) (2015). Modeling and analysis of compositional software (papers from EUROMICRO SEAA'12). vol. 97, p. 331-332, doi: 10.1016/j.scico.2014.06.009
20	2014	Articolo in rivista Patricia Lago, Ivano Malavolta, Muccini H, Patrizio Pelliccione, Antony Tang (2014). The Road Ahead for Architectural Languages. IEEE SOFTWARE, vol. 32, p. 98-105, ISSN: 0740-7459, doi: 10.1109/MS.2014.28

21	2014	Contributo in Atti di convegno Franzago Mirco, Muccini Henry, Malavolta Ivano (2014). Towards a collaborative framework for the design and development of data-intensive mobile applications. In: Mobile Software Engineering and Systems, MOBILESoft 2014.
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24	2014	Contributo in Atti di convegno Rekha, VS, Muccini, H. (2014). Suitability of Software Architecture Decision Making Methods for Group Decisions. In: European Conference on Software Architecture. vol. 8627, p. 17-32, GEWERBESTRASSE 11, CHAM, CH-6330, SWITZERLAND:SPRINGER INT PUBLISHING AG
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29	2013	Articolo in rivista Ivano Malavolta, Patricia Lago, Muccini h, Patrizio Pelliccione, Antony Tang (2013). What Industry needs from Architectural Languages: A Survey. IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, vol. 39, p. 869-891, ISSN: 0098-5589, doi: 10.1109/TSE.2012.74
30	2013	Articolo in rivista Antonia Bertolino, Inverardi P, Henry Muccini (2013). Software architecture-based analysis and testing: a look into achievements and future challenges. COMPUTING, vol. 95, p. 633-648, ISSN: 0010-485X, doi: 10.1007/s00607-013-0338-9
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33	2012	Articolo in rivista Eramo R, Malavolta I, Muccini H, Pelliccione P, Pierantonio A (2012). A model-driven approach to automate the propagation of changes among Architecture Description Languages. SOFTWARE AND SYSTEMS MODELING, vol. 11, p. 29-53, ISSN: 1619-1366, doi: 10.1007/s10270-010-0170-z
34	2012	Contributo in Atti di convegno Muccini H, Antonio Di Francesco and Patrizio Esposito (2012). Software Testing of Mobile Applications: Challenges and Future Research Directions. In: 7th IEEE/ACM International Workshop on Automation of Software Test (AST 2012) @ ICSE 2012, IEEE Digital Library, 2012. IEEE Computer Society, Zurich, May 2012

35	2012	Contributo in Atti di convegno Doddapaneni, Krishna, Ever, Enver, Gemikonakli, Orhan, Malavolta, Ivano, Mostarda, Leonardo, Muccini, Henry (2012). A model-driven engineering framework for architecting and analysing Wireless Sensor Networks. In: 2012 3rd International Workshop on Software Engineering for Sensor Network Applications, SESENA 2012 - Proceedings. p. 1-7, ISBN: 9781467317931, Zurich, che, 2012, doi: 10.1109/SESENA.2012.6225729
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45	2010	Articolo in rivista IVANO MALAVOLTA, HENRY MUCCINI, PELLICCIONE P, AND DAMIEN TAMBURRI (2010). Providing Architectural Languages and Tools Interoperability through Model Transformation Technologies. IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, vol. 36:1, p. 119-140, ISSN: 0098-5589, doi: 10.1007/s10515-007-0012-6
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59	2008	Articolo in rivista NICOLAS GUELFY, MUCCINI H, PATRIZIO PELLICCIONE, ALEXANDER ROMANOVSKY (2008). Engineering Fault Tolerant Systems. INTERNATIONAL JOURNAL OF COMPUTER SYSTEMS SCIENCE AND ENGINEERING, ISSN: 1307-430X
60	2008	Contributo in volume (Capitolo o Saggio) ANTONIO BUCCHIARONE, DAVIDE DI RUSCIO, HENRY MUCCINI, PELLICCIONE PATRIZIO (2008). From requirements to Java code: An architecture-centric approach for producing quality systems. In: JOERG RECH FRAUNHOFER IESE KAISERSLAUTERN GERMANY AND CHRISTIAN BUNSE INTERNATIONAL UNIVERSITY BRUCHSAL GERMANY. Model-Driven Software Development: Integrating Quality Assurance. vol. abs/0910.0493, ISBN: 978-1-60566-006-6, doi: abs/0910.0493
61	2008	Contributo in Atti di convegno DI MARCO, ANTONISCA, MARIANI, LEONARDO, MUCCINI, HENRY, POLINI, ANDREA, SHEHORY, ONN (2008). ARAMIS 2008: The First Int. Workshop on Automated engineering of Autonomic and run-time evolving Systems. In: ASE 2008. p. : 529-530, LAquila, 15-19 settembre 2008

62	2008	Contributo in Atti di convegno MUCCINI H, PATRIZIO PELLICCIONE (2008). Simulating Software Architectures for functional analysis. In: Proceedings of the Seventh Working IEEE/IFIP Conference on Software Architecture (WICSA 2008). p. 289-292, New York:IEEE Computer Society, ISBN: 978-0-7695-3092-5, Vancouver, BC, Canada, 18 – 22 February 2008, doi: 10.1109/WICSA.2008.41
63	2008	Contributo in Atti di convegno PENGCHENG ZHANG, BIXIN LI, MUCCINI H, MINGJIE SUN (2008). An Approach to Monitor Scenario-based Temporal Properties in Web Service Compositions. In: Doctoral Consortium On Data Engineering and Web Technology Research, in conjunction with APWeb 2008, April 26-28, 2008, Shenyang, China. In LNCS 4977. China, April 2008, p. 144-154, ISBN: 978-3-540-89375-2
64	2008	Contributo in Atti di convegno PATRICIA LAGO, MUCCINI H, MUHAMMAD ALI BABAR (2008). Developing a Course on Designing Software in Globally Distributed Teams. In: 3rd International Conference on Global Software Engineering, ICGSE 2008, Bangalore, India. August 17-20, 2008. India, August 17-20, 2008., p. 249-253, NEW YORK:IEEE Computer Society, ISBN: 978-0-7695-3280-6, doi: 10.1109/ICGSE.2008.26
65	2008	Contributo in Atti di convegno IVANO MALAVOLTA, MUCCINI H, PATRIZIO PELLICCIONE (2008). DUALY: a framework for Architectural Languages and Tools Interoperability. In: 23rd IEEE/ACM International Conference on Automated Software Engineering (ASE2008). p. 483-484, New York:IEEE Computer Society, ISBN: 978-1-4244-2187-9, L'Aquila, Italy, September 2008, doi: 10.1109/ASE.2008.82
66	2008	Monografia o trattato scientifico ROGÉRIO DE LEMOS, FELICITA DI GIANDOMENICO, CRISTINA GACEK, MUCCINI H, MARLON VIEIRA (2008). Architecting Dependable Systems V. vol. LNCS, Vol. 5135, ISBN: 978-3-540-85570-5
67	2008	Curatela Nicolas Guelfi, Henry Muccini, Pelliccione P, Alexander Romanovsky (a cura di) (2008). Proceedings of the 2008 RISE/EFTS Joint International Workshop on Software Engineering for Resilient Systems, Newcastle Upon Tyne — November 17 - 19, 2008. NEW YORK, NY, USA:Association for Computing Machinery, Inc. (ACM)

68	2007	Contributo in Atti di convegno H. MUCCINI, P. PELLICCIONE, A. ROMANOVSKY (2007). Workshops summaries: EFTS 2007: the 2nd international workshop on engineering fault tolerant systems. In: Proceedings of the the 6th joint meeting of the European software engineering conference and the ACM SIGSOFT symposium on The foundations of software engineering ESEC-FSE '07. NEW YORK, NY, USA:Association for Computing Machinery, Inc. (ACM), Dubrovnik, Croatia.
69	2007	Contributo in Atti di convegno MUCCINI H (2007). Using Model Differencing for Architecture-level Regression Testing. In: 33rd EUROMICRO CONFERENCE on Software Engineering and Advanced Applications (SEAA), Component-Based Software Engineering Track, Lübeck, Germany, August 27-31, 2007.
70	2007	Contributo in Atti di convegno MUCCINI H, ANDREA POLINI, FABIANO RICCI, AND ANTONIA BERTOLINO (2007). Monitoring architectural properties in dynamic component-based systems. In: The 10th International ACM SIGSOFT Symposium on Component-Based Software Engineering, Lecture Notes in Computer Science, LNCS 4608. vol. LNCS 4608, ISBN: 978-3-540-73550-2
71	2007	Contributo in Atti di convegno PATRICIA LAGO, MUCCINI H, LJERKA BEUS-DUKIC, IVICA CRNKOVIC, SASIKUMAR PUNNEKKAT, HANS VAN VLIET (2007). Towards a European Master Programme on Global Software Engineering. In: 20th Conference on Software Engineering Education and Training (CSEE&T 2007), Dublin City University (DCU), 3-5 July, 2007.
72	2007	Contributo in Atti di convegno MUCCINI H (2007). What makes Software Architecture-based Testing Distinguishable. In: Proc. Sixth Working IEEE/IFIP Conference on Software Architecture, WICSA 2007, Mumbai, India, January 2007. vol. WICSA 2007
73	2007	Contributo in Atti di convegno NICOLAS GUELFY, MUCCINI H, PATRIZIO PELLICCIONE, ALEXANDER ROMANOVSKY (2007). EFTS 2007: the 2nd international workshop on engineering fault tolerant systems. In: Proceedings of the the 6th joint meeting of the European software engineering conference and the ACM SIGSOFT symposium on The foundations of software engineering. Pages: 617 - 618. Year of Publication: 2007. p. 617-618, ISBN: 978-1-59593-725-4
74	2007	Contributo in Atti di convegno ANTONIA BERTOLINO, MUCCINI H (2007). WISE 2007: Widened Software Engineering Track. In: Proceedings of the the 6th joint meeting of The European software engineering conference and the ACM SIGSOFT symposium on The foundations of software engineering. ISBN: 978-1-59593-812-1

75	2006	Articolo in rivista MUCCINI H, M. DIAS AND D. J. RICHARDSON (2006). Software Architecture-based Regression Testing. THE JOURNAL OF SYSTEMS AND SOFTWARE, vol. 79, p. 1379-1396, ISSN: 0164-1212, doi: 10.1016/j.jss.2006.02.059
76	2006	Contributo in Atti di convegno Bucchiarone A, Muccini H, Pelliccione P (2006). A Practical Architecture-centric Analysis Process. In: Proceedings of Quality of Software Architectures. vol. LNCS 4214/2006, p. 127-144, Springer - LNCS series, ISBN: 3-540-48819-7, Mälardalen University, Västerås near Stockholm, Sweden, June 27-29, 2006
77	2006	Contributo in Atti di convegno Di Ruscio D, Muccini H, Pierantonio A, Pelliccione P (2006). Towards weaving software architecture models. In: Joint Meeting of the Fourth Workshop on Model-Based Development of Computer-Based Systems and Third International Workshop on Model-Based Methodologies for Pervasive and Embedded Software, Proceedings. New York:IEEE Computer Society, ISBN: 0-7695-2538-5, Potsdam, Germany, March 27-30, 2006, doi: 10.1109/MBD-MOMPES.2006.24
78	2006	Contributo in Atti di convegno MAURO CAPORUSCIO, HENRY MUCCINI, PELLICCIONE PATRIZIO, EZIO DI NISIO (2006). Rapid System Development via Product Line Architecture Implementation. In: Proceedings of the 2nd International Workshop RISE 2005 Rapid Integration of Software Engineering techniques. vol. LNCS 3943, Springer - LNCS series, Heraklion Crete, GREECE, 8-9 September, 2005
79	2006	Contributo in Atti di convegno BUCCHIARONE A, MUCCINI H, PELLICCIONE P (2006). Architecting Fault-tolerant Component-based Systems: from requirements to testing. In: In the Electronic Notes in Theoretical Computer Science (ENTCS), Volume 168, February 2007. vol. ENTCS, Volume 168, p. 77-90, Amsterdam:Elsevier, Electronic Notes in Theoretical Computer Science, doi: 10.1016/j.entcs.2006.11.004
80	2006	Contributo in Atti di convegno BERTOLINO A, MUCCINI H, A. POLINI (2006). Architectural Verification of Black-box Component-Based Systems. In: Proc. RISE 2006, International Workshop on "Rapid Integration of Software Engineering techniques", 13-15 September, 2006, Switzerland. In Springer Verlag Lecture Notes in Computer Science (LNCS) Series, LNCS 4401. vol. LNCS 4401, ISBN: 978-3-540-71875-8

81	2005	Contributo in Atti di convegno ANTONIA BERTOLINO, ANTONIO BUCCHIARONE, STEFANIA GNESI, MUCCINI H (2005). An Architecture-centric Approach for producing Quality Systems. In: the 1st International Conference on Quality of Software Architectures (QoSA 2005). Lecture Notes in Computer Science, LNCS 3712. ISBN: 978-3-540-29033-9
82	2005	Contributo in Atti di convegno Muccini H, Marcio S. Dias, Debra J. Richardson (2005). Reasoning About Software Architecture-Based Regression Testing Through a Case Study. In: 29th Annual International Computer Software and Applications Conference (COMPSAC 2005). p. 189-195, NEW YORK:IEEE Computer Society, ISBN: 0-7695-2413-3
83	2005	Contributo in Atti di convegno Inverardi P, Muccini H, Pelliccione P (2005). DUALY: Putting in Synergy UML 2.0 and ADLs. In: Int. 5th Working IEEE/IFIP Conference on Software Architecture, WICSA 2005. IEEE Computer Society Press, ISBN: 0-7695-2548-2, Pittsburgh, PA, 6-9 November 2005, doi: 10.1109/WICSA.2005.28
84	2005	Contributo in Atti di convegno PELLICCIONE P, H. MUCCINI, A. BUCCHIARONE, AND F. FACCHINI (2005). TeStor: Deriving Test Sequences from Model-based Specifications. In: Eighth International SIGSOFT Symposium on Component-based Software Engineering (CBSE 2005), St. Louis, Missouri (USA), 15-21 May, 2005. Lecture Notes in Computer Science, LNCS 3489, pp. 267-282. vol. LNCS 3489, p. 267-282, Springer - LNCS series, ISBN: 3-540-25877-9
85	2005	Contributo in Atti di convegno Paola Inverardi, Muccini H, Patrizio Pelliccione (2005). CHARMY: An Extensible Tool for Architectural Analysis. In: ESEC/FSE-13 Proceedings of the 10th European software engineering conference held jointly with 13th ACM SIGSOFT international symposium on Foundations of software engineering. p. 111-114, NEW YORK, NY, USA:Association for Computing Machinery, Inc. (ACM), ISBN: 1-59593-014-0, Lisbon, Portugal, September 5-9, 2005
86	2004	Articolo in rivista D. DI RUSCIO, MUCCINI H, A. PIERANTONIO (2004). A Data Modeling Approach to Web Application Synthesis. INTERNATIONAL JOURNAL OF WEB ENGINEERING AND TECHNOLOGY, vol. 1, p. 320-337, ISSN: 1476-1289, doi: 10.1504/IJWET.2004.005236
87	2004	Articolo in rivista MUCCINI H, F. MANCINELLI (2004). A Software Engineering Approach for Coordination Policies Elicitation. INTERNATIONAL JOURNAL OF COOPERATIVE INFORMATION SYSTEMS, ISSN: 0218-8430

88	2004	Articolo in rivista H. MUCCINI, A. BERTOLINO, INVERARDI P (2004). Using Software Architecture for code testing. IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, vol. 30, p. 160-171, ISSN: 0098-5589, doi: 10.1109/TSE.2004.1271170
89	2004	Contributo in Atti di convegno A. BERTOLINO, E. MARCHETTI, MUCCINI H (2004). Introducing a Reasonably Complete and Coherent Approach for Model-based Testing. In: Electronic Notes in Theoretical Computer Science, Volume 116. March 2004, vol. 116, p. 85-97, NEW YORK:Science Direct, doi: <a href="http://dx.doi.org/10.1016/j.entcs.2004.02.084">http://dx.doi.org/10.1016/j.entcs.2004.02.084</a>
90	2004	Contributo in Atti di convegno MUCCINI H, M. DIAS, D.J. RICHARDSON (2004). Systematic Testing of Software Architectures in the C2 style. In: Lecture Notes in Computer Science. LECTURE NOTES IN COMPUTER SCIENCE, vol. 2984, p. 295-309, BERLIN:Springer, ISBN: 3-540-21305-8, ISSN: 0302-9743, doi: 10.1007/978-3-540-24721-0_22
91	2004	Contributo in Atti di convegno A. BUCCHIARONE, MUCCINI H, P. PELLICCIONE, P. PIERINI (2004). Model-Checking plus Testing: from Software Architecture Analysis to Code Testing. In: Applying Formal Methods: Testing, Performance, and M/E-Commerce. vol. 3236, p. 351-365, ISBN: 978-3-540-23169-1, Toledo, Spain, October 1 -- 2 ,2004, doi: 10.1007/b100825
92	2003	Articolo in rivista Inverardi P, Muccini H (2003). Software Architectures and Coordination models. THE JOURNAL OF SUPERCOMPUTING, ISSN: 0920-8542
93	2003	Articolo in rivista MUCCINI H, A. VAN DER HOEK. (2003). Towards Testing Product Line Architectures. ELECTRONIC NOTES IN THEORETICAL COMPUTER SCIENCE, vol. 82, ISSN: 1571-0661, doi: 10.1016/S1571-0661(04)81029-6,
94	2003	Contributo in volume (Capitolo o Saggio) Bertolino A, Inverardi P, Muccini H (2003). Formal Methods in Testing Software Architectures. In: M. BERNARDO P. INVERARDI. (a cura di): M. Bernardo P. Inverardi, Formal Methods in Testing Software Architectures". vol. 2804, p. 122-147, Springer Verlag, ISBN: 3-540-20083-5
95	2003	Contributo in Atti di convegno MUCCINI H (2003). Detecting Implied Scenarios analyzing non-local Branching Choices. In: Int. Conf. on Fundamental Approaches to Software Engineering (FASE 2003).



96	2003	<p>Contributo in Atti di convegno  MUCCHINI H, F. MANCINELLI (2003). Eliciting Coordination Policies from Requirements. In: Proc. Proc. Eighteenth ACM Symposium on Applied Computing (ACM SAC 2003).</p>
97	2002	<p>Contributo in Atti di convegno  P. INVERARDI, F. MANCINELLI, MUCCHINI H, P. PELLICCIONE (2002). An Experience in Architectural Extensions: Active Objects in J2EE. In: Scientific Engineering for Distributed Java Applications, International Workshop, FIDJI 2002, Luxembourg-Kirchberg, Luxembourg, November 28-29, 2002. vol. 2604, p. 87-98, Springer Verlag, ISBN: 3-540-00679-6, Luxembourg-Kirchberg, November 28-29</p>

### Organizzazione o partecipazione come relatore a convegni di carattere scientifico in Italia o all'estero

- REVIEWER RIVISTE - IEEE Transactions on Software Engineering (TSE), ACM Transactions on Software Engineering and Methodologies (TOSEM), Empirical Software Engineering Journal (EMSE), Software and System Modeling journal (SOSYM), Journal of Systems and Software (JSS), IEEE Software, Journal of Software Maintenance and Evolution (JSME), Automated Software Engineering Journal (AUSE), Information and Software Technology (IST).  
dal 01-01-2005 a oggi
- CO-ORGANIZER - EFTS06 and EFTS07: Co-organizer of the 1st and 2nd Int. Workshop on "Engineering of Fault Tolerant Systems" EFTS 2006 and EFTS 2007, co-located with ESEC/FSE 2007  
dal 01-01-2006 al 01-01-2007
- CO-ORGANIZER - ROSATEA 2006 and 2007: Co-organizer of the 3rd International Workshop on "the Role of Software Architecture for Testing and Analysis" - ROSATEA 2007 – 10-11 July 2007, co-located with CBSE and QoSA 2007.  
Co-organizer of the 2° International Workshop on "the Role of Software Architecture for Testing and Analysis" - ROSATEA 2006 - July 17, 2006, co-located with ISSTA 2006.  
dal 01-01-2006 al 01-01-2007
- PC MEMBER - Int. Conf. on Fundamental Approaches to Software Engineering (FASE Conf) [2015 and 2007]  
dal 01-01-2007 al 01-01-2015
- PC MEMBER - Int. Conf. on Software Engineering Advances (ICSEA Conf) [2015, 2014, 2012-2009, 2007 ]  
dal 01-01-2007 al 01-01-2015
- PC MEMBER - Int. SIGSOFT Symposium on Component-Based Software Engineering (CBSE) [2014, 2013, 2010-2007]  
dal 01-01-2007 al 01-01-2014
- PC MEMBER - EUROMICRO Conf. on Software Engineering and Advanced Applications [2015, 2014, 2012 (PC chair), 2009-2007]  
dal 01-01-2007 al 01-01-2015
- PC MEMBER - Int. Conf. on Model Driven Engineering Languages and Systems (MODELS Conference) [2016 (EduSymp chair), 2016, 2015, 2014, 2008 (DS+Wks), 2007 (Wks)]  
dal 01-01-2007 al 01-01-2016
- CO-ORGANIZER - WISE07: Co-organizer of the WISE track on "Widened Software Engineering", part of the ESEC/FSE 2007, September 2007, Dubrovnik, Croazia.  
dal 01-01-2007 al 01-01-2007
- PC MEMBER - IEEE/ACM Int. Conf. on Automated Software Engineering (ASE Conference) [2015, 2014, 2010 (TD), 2009, 2008, 2008 (TD), 2007]  
dal 01-01-2007 al 01-01-2015
- CO-ORGANIZER - AEROSE07: Co-organizer of the "1st Int. Workshop on Aerospace Software Engineering" - AeroSE 07, 21-22 May 2007 Minneapolis, USA. Co-located with ICSE 2007  
dal 01-05-2007 al 01-05-2007

- CO-ORGANIZER - COMPARCH07: Co-organizer of the 1st “Federated Events on Component-Based Software Engineering and Software Architecture” – CompArch., 09-13 July, 2007, Boston, USA.  
dal 01-07-2007 al 01-07-2007
- KEYNOTE - “Architecting Fault Tolerant Systems”, keynote at RISE 2007, the 4th Int. workshop on the Rapid Integration of Software Engineering Techniques, Novembre 2007, Luxemburg.  
dal 01-11-2007 al 01-11-2007
- PC MEMBER - ACM Symposium on Applied Computing (ACM SAC Conf) [2018, 2017, 2016, 2015, 2014, 2013, 2011-2008]  
dal 01-01-2008 a oggi
- PC MEMBER - ICSE Int. Conf. on Software Engineering [2018 (Pub), 2018 (SEET), 2017, 2016, 2016 (SEIS), 2014, 2014 (DS), 2011 (SEIP), 2008 (Demo)]  
dal 01-01-2008 a oggi
- PC MEMBER - IEEE Int. Conf. on Software Testing, Verification and Validation (ICST Conf) [2013, 2012, 2010-2008]  
dal 01-01-2008 al 01-01-2014
- PC MEMBER - Int. Conf. on Software Paradigm Trends (ICSOF Conf) [2016 (Keynote), 2014, 2010, 2009, 2008]  
dal 01-01-2008 al 01-01-2016
- CO-ORGANIZER - Dagstuhl seminar 10111 on “Practical Software Testing : Tool Automation and Human Factors”  
dal 01-01-2010 al 01-01-2010
- PC MEMBER - European Conference on Software Architecture (ECSA) [2017, 2016, 2015, 2014 (TD), 2013, 2013 (DS), 2011, 2010]  
dal 01-01-2010 a oggi
- PC MEMBER - European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering [2016, 2015 (DS), 2012 (NIER), 2011, 2011 (Wks co-chair), 2010]  
dal 01-01-2010 al 01-01-2016
- CO-ORGANIZER - Int. Workshop on Software Test Automation, Practice, and Standardization, co-located with SEKE'2010  
dal 01-01-2010 al 01-01-2010
- PC CO-CHAIR - QSIC 2012, the 12th Int. Conference on Quality Software (<http://www.di.univaq.it/qsic2012/>) (proceedings published by the IEEE Computer Society Press).  
dal 01-01-2011 al 01-01-2012
- CO-ORGANIZER - Int. Workshop on “Architecture-Based Testing and System Validation Workshop” @ WICSA 2011  
dal 01-01-2011 al 01-01-2011
- PC MEMBER - IEEE/IFIP Working Conf. on Software Architecture [2017, 2017 (NeMi co-chair), 2016 (PC co-chair), 2015, 2014, 2012, 2011]  
dal 01-01-2011 a oggi
- PC MEMBER - Int. Conf. on Quality Software -> IEEE International Conference on Software Quality, Reliability and Security (QSIC -> QRS Conf) [2017, 2015, 2014, 2013, 2012 (PC chair), 2011]  
dal 01-01-2011 al 01-01-2017
- PC CO-CHAIR - Euromicro SEAA 2012, the 38th Euromicro Conference on Software Engineering and Advanced Applications (<http://www.seaa2012.ii.metu.edu.tr>) (proceedings published by the IEEE Computer Society Press)  
dal 01-01-2011 al 01-01-2012
- PC CO-CHAIR - AST 2013, the 8th Int. Workshop on Automation of Software Test (co-located with ICSE 2013, <http://software.nju.edu.cn/zychen/ast/>).  
dal 01-01-2012 al 01-05-2013

- INVITED TALK - “Architecture-based Testing and Analysis: achievements, challenges, and potentials”, July 2012, Invited talk at the TAROT 2012, 8th International Summer School on Training And Research On Testing  
dal 01-07-2012 al 01-07-2012
- CO-ORGANIZER - MOBS 2013: Co-organizer of the International Workshop on the Engineering of Mobile-Enabled Systems  
dal 01-01-2013 al 01-01-2013
- CO-ORGANIZER - EEEWSN2014 International Workshop on Engineering Energy Efficient Wireless Sensor Networks  
dal 01-01-2014 al 01-01-2014
- PC MEMBER - IEEE/ACM Int. Conf. on Mobile Software Engineering and Systems (MOBILESoft Conf) [2017 (General chair) 2016, 2016 (DS chair), 2015, 2014]  
dal 01-01-2014 a oggi
- PC CO-CHAIR - DeMobile 2015, the 3rd Int. Workshop on Software Development Lifecycle for Mobile (co-located with ESEC/FSE 2015, <http://sysrun.haifa.il.ibm.com/hrl/demobile2015/>).  
dal 01-03-2014 al 01-03-2015
- KEYNOTE SPEAKER - “Is Crowd Testing (relevant) for Software Engineers?”, keynote at AST 2014, 9th International Workshop on Automation of Software Test (AST’14), co-located with ICSE 2014, june 2014.  
dal 01-06-2014 al 01-06-2014
- CO-ORGANIZER - DeMobile 2015, 3rd International Workshop on Software Development Lifecycle for Mobile  
dal 01-01-2015 al 01-01-2015
- PC CO-CHAIR - WICSA 2016, the 13th Working IEEE/IFIP Conference on Software Architecture.  
dal 01-04-2015 al 01-04-2016
- KEYNOTE SPEAKER - “Exploring the Temporal Aspects of Software Architecture”, keynote at ICSoft 2016, the 12th International Conference on Software Technologies.  
dal 01-01-2016 al 01-01-2016
- CO-ORGANIZER - MODELS 2016 and MODELS 2017 Workshop on Collaborative Modeling in MDE  
dal 01-01-2016 al 01-01-2017
- GENERAL CHAIR - MOBILESoft 2017, the 4th IEEE/ACM International Conference on Mobile Software Engineering and Systems  
dal 01-05-2016 al 01-05-2017
- PC CHAIR - i-Cities 2017, the 3rd Italian Conference on ICT for Smart Cities & Communities, Bari, Italy.  
dal 01-09-2016 al 01-09-2017
- GENERAL CHAIR - i-Cities 2018, the 4th Italian Conference on ICT for Smart Cities & Communities, L’Aquila, Italy.  
dal 01-09-2017 a oggi
- PC CHAIR - SERENE 2018, 10th International Workshop on Software Engineering for Resilient Systems, @EDCC2018.  
dal 25-09-2017 a oggi

Direzione o partecipazione alle attività di un gruppo di ricerca caratterizzato da collaborazioni a livello nazionale o internazionale

- DIREZIONE: responsabile del gruppo di Ricerca su "Architecting Cyber-Physical Systems" presso il Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica dell'Università degli Studi dell'Aquila. Il gruppo si occupa di analizzare problematiche architettoniche dei sistemi software, quali IoT, Cyber-Physical, e Mobile. MEMBRI ATTUALI del team: Mirco Franzago (Assegnista di Ricerca), Mohammad Sharaf (Assegnista di Ricerca), Smrithi Rekha V (Dottoranda), Mahyar Tourchi Moghaddam (Dottorando), and Karthik Vaidyanathan (Dottorando). Membri Passati: Dr. Ivano Malavolta (Ricercatore presso VU University Amsterdam). Il gruppo può contare sulla collaborazione di circa 130 tra colleghi italiani e stranieri.  
dal 01-01-2008 a oggi
- MEMBRO: membro del DEWS - Excellence center on "Design methodologies of Embedded controllers, Wireless interconnect and System-on-Chip", centro di ricerca che lavora nell'area dell'ingegnerizzazione delle wireless sensor networks [<http://dews.univaq.it/>]  
dal 01-01-2012 a oggi
- DIREZIONE: responsabile, per l'Università degli Studi dell'Aquila, del Laboratorio CINI su Smart Cities and Communities (<https://www.consortio-cini.it/index.php/en/national-laboratories/laboratorio-smart-cities>).

Il Laboratorio mira a diventare un centro italiano di competenza nel campo delle tecnologie ICT per le Smart Cities e contribuire, insieme ad altri attori, a sviluppare soluzioni innovative per migliorare la qualità della vita dei cittadini.

dal 01-01-2014 a oggi

- MEMBRO: membro dell'IFIP (International Federation for Information Processing - IFIP) Working Group 2.10 su Software Architecture. L'obiettivo del WG 2.10 è quello di diffondere ulteriormente lo sviluppo delle architetture software, attraverso la sinergia tra Ricerca accademica ed industriale.  
dal 01-11-2014 a oggi
- DIREZIONE: responsabile presso l'Università degli Studi dell'Aquila del Laboratorio Living Lab. Il Living Lab è un laboratorio distribuito presso i locali del DISIM, Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica, dell'Università degli Studi dell'Aquila, volto alla realizzazione di applicazioni di natura Internet of Thing (IoT), Smart City, e Cyber-Physical. È "distribuito" in quanto il suo equipaggiamento (sensori, telecamere, attuatori, rilevatori di presenza, controllori, totem, droni, RFID readers, dimostratori, etc) è dislocato negli spazi Dipartimentali (aule, laboratori, spazi interni ed esterni).  
È "living" in quanto è un laboratorio composto da varie componenti facilmente rilocabili e riconfigurabili, che può essere parzialmente o totalmente spostato e riconfigurato per obiettivi diversi.

#### OBIETTIVI DEL LABORATORIO:

- OT1. Coinvolgere gli studenti nello sviluppo di metodologie di identificazione di modelli, stima e controllo, sia basate su approcci data-based (monitoraggio di parametri ambientali, quali temperatura, luminosità, irraggiamento, CO2, etc. al fine di ottimizzare l'efficienza energetica in building automation systems) sia su approcci model-based (controllo distribuito e localizzazione indoor di mini-droni).

- OT2. Permettere il controllo delle masse (studenti, docenti, visitatori) negli spazi dipartimentali e di studio comune (biblioteca, laboratori, etc), al fine di monitorare e prevenire situazioni critiche (super affollamento di un'aula, partecipazione ai corsi con frequenza obbligatoria, controllo dei parcheggi) o spazi poco utilizzati da rivalutare o indirizzare verso altri scopi;

- OT3: monitorare oggetti smart (IoT) di dipartimento (sedie, finestre, porte, videoproiettori, telecomandi, dispositivi didattici per lo svolgimento di progetti, etc) al fine di segnalare tempestivamente malfunzionamenti, sottrazioni e segnalare aperture/chiusure non volute.

- OT4: monitorare la persona (battiti, attività fisica, etc) al fine di fornire consapevolezza dello stato di benessere della persona ed eventualmente fornire stimoli e suggerimenti per migliorarlo.

dal 01-01-2015 a oggi

Responsabilita' di studi e ricerche scientifiche affidati da qualificate istituzioni pubbliche o private

- RESPONSABILE CONVENZIONE TERMA GmbH: responsabile di una convenzione con l'azienda TERMA GmbH per una commessa con l'ESA, European Space Agency.  
dal 01-01-2003 al 01-01-2005
- RESPONSABILE PROGETTO EASYLINE: responsabile del progetto EASYLINE per l'analisi dei flussi di studenti presso le Segreterie studenti dell'Universita' degli Studi dell'Aquila.  
dal 01-01-2015 a oggi
- RESPONSABILE PROGETTO UFFIZI: responsabile dell'accordo di progetto con le Gallerie degli Uffizi di Firenze. Il progetto ha come finalità la gestione dei flussi di visitatori, gestione che tiene conto sia dei flussi e delle code all'esterno degli Uffizi, sia la gestione dei flussi interni alla Galleria.  
dal 01-07-2016 a oggi

Responsabilita' scientifica per progetti di ricerca internazionali e nazionali, ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari

- MEMBRO: SALADIN - MURST National Project. Software Architectures and Languages to Coordinate Distributed Mobile Components (SALADIN). Web: <http://saladin.dm.univaq.it/>. dal 01-01-1999 al 01-01-2000
- MEMBRO: SAHARA - MIUR National Project. Software Architectures for Heterogeneous Access Network Infrastructures (SAHARA). Web: <http://sahara.di.univaq.it/> dal 01-01-2001 al 01-01-2003
- MEMBRO: POPEYE - FP6-2005-IST EU Project on "Professional Peer Environment Beyond Edge Computing" Web: <http://www.ist-popeye.org> dal 01-01-2006 al 01-01-2008
- MEMBRO: progetto ART-DECO FIRB Italian Project: Adaptive InfRasTructures for DE-Centralized Organizations (2006-2009) dal 01-01-2006 al 01-01-2009
- MEMBRO: progetto POPEYE FP6-2005-IST EU Project: Professional Peer Environment Beyond Edge Computing (2006-2008) dal 01-01-2006 al 01-01-2008
- RESPONSABILE: REM - Principal Scientific Investigator of the REM : Round Trip Engineering of Space Systems project. Contract 20645/07/F/VS between the European Space Agency and Terma GmbH. Sub-contractor: Dipartimento di Informatica, University of L'Aquila. dal 01-01-2007 al 01-01-2009
- MEMBRO: progetto CRAFTERS, Artemis Call 2011. Project Nr. 295371, on "ConstRaint and Application driven Framework for Tailoring Embedded Real-time Systems". Web: <http://www.crafters-project.org/> dal 01-01-2008 al 01-01-2011
- RESPONSABILE: per l'Universita' degli Studi dell'Aquila del progetto EURECA ERASMUS MUNDUS External Cooperation Window 2nd Call (EACEA/34/07) dal 01-01-2008 al 01-01-2011
- MEMBRO: progetto dASAP - PRIN Italian Project on "Software Architectures for Dependable and Adaptable Pervasive Computing Systems: design, analysis, and validation" dal 01-01-2008 al 01-01-2010
- RESPONSABILE: per l'Universita' degli Studi dell'Aquila del progetto MIUR COOPERAZIONE Interuniversitaria. Ottenuti 180.000 euro (dal MIUR) per supportare la mobilita' di studenti e ricercatori nel contesto della Laurea Internazionale GSEEM - Global Software Engineering European Master. dal 01-01-2008 al 01-01-2008
- RESPONSABILE: per l'Universita' degli Studi dell'Aquila del progetto MIUR COOPERAZIONE Interuniversitaria. Ottenuti 185.000 euro (dal MIUR) per supportare la mobilita' di studenti e ricercatori nel contesto della Laurea Internazionale GSEEM - Global Software Engineering European Master. dal 01-01-2010 al 01-01-2010
- RESPONSABILE: per l'Universita' degli Studi dell'Aquila del progetto di internazionalizzazione EUROWEB (European Research and Educational Collaboration with Western Balkans ) ERASMUS MUNDUS action 2 project. Gli obiettivi di EUROWEB sono quelli di creare una rete di ricerca e formazione superiore tra partner EU e partner dei Western Balkans. dal 01-01-2011 al 01-01-2015
- RESPONSABILE: per l'Universita' degli Studi dell'Aquila del progetto di internazionalizzazione EUROWEB+ (European Research and Educational Collaboration with Western Balkans ) ERASMUS MUNDUS action 2. Gli obiettivi di EUROWEB+ sono quelli di creare una rete di ricerca e formazione superiore tra partner EU e partner dei Western Balkans. dal 01-01-2014 a oggi

Direzione o partecipazione a comitati editoriali di riviste, collane editoriali, enciclopedie e trattati di riconosciuto prestigio

- STEERING COMMITTEE MEMBER - Steering Committee member of the International Workshop on Software Engineering for Resilient Systems [[serene.disim.univaq.it/](http://serene.disim.univaq.it/)] dal 01-01-2007 a oggi
- GUEST EDITOR: Guest-editor of a special issue on the International Journal of Computer Systems Science and Engineering dal 01-01-2008 al 01-01-2008
- GUEST EDITOR: Co-guest editor of the “Software Test Automation, Practice, and Standardization” Special Issue, IJSEKE Journal dal 01-01-2009 al 01-01-2010
- GUEST EDITOR: Co-guest editor of the Special Issue on Science of Computer Programming on “Modeling and analysis of compositional software” associate to the EUROMICRO/SEAA 2012 conference dal 01-01-2012 al 01-01-2014
- GUEST EDITOR: Co-guest editor of the Special Issue on Science of Computer Programming associated to the QSIC 2012 conference dal 01-01-2012 al 01-01-2014
- DIRECTOR: Director of the 9th edition of the TAROT Summer School on Software Testing dal 01-01-2013 al 01-01-2013
- GUEST EDITOR: Co-guest editor of the Special Issue on “Software Architecture for Code Testing and Analysis”, Computing journal dal 01-01-2013 al 01-01-2013
- ASSOCIATE EDITOR: Journal “Advances in Software Engineering” (Hindawi) [[https://www.chatbots.org/journal/advances\\_in\\_software\\_engineering/](https://www.chatbots.org/journal/advances_in_software_engineering/)] dal 01-01-2014 a oggi
- ASSOCIATE EDITOR: Theme Issue Associate Editor for IEEE Software [<https://www.computer.org/software-magazine/>] dal 01-01-2015 al 01-09-2017
- STEERING COMMITTEE MEMBER - Steering Committee member of the International Conference on Software Architecture [<http://icsa-conferences.org/2018/>] dal 01-01-2016 a oggi
- GUEST EDITOR: Co-guest editor dell' IEEE Software theme issue on Collaborative Modeling in Software Engineering dal 01-01-2017 a oggi
- ASSOCIATE EDITOR IN CHIEF: Theme Issue Associate Editor in Chief for IEEE Software [<https://www.computer.org/software-magazine/>] dal 01-11-2017 a oggi

Partecipazione al collegio dei docenti ovvero attribuzione di incarichi di insegnamento, nell'ambito di dottorati di ricerca accreditati dal Ministero



- SUPERVISORE TESI DI DOTTORATO - Dr. Ivano Malavolta, Dottorato INGEGNERIA E SCIENZE DELL'INFORMAZIONE, conseguito presso il Dipartimento DISIM dell'Università dell'Aquila. Titolo tesi: Software Architecture Modeling by Reuse, Composition and Customization.  
dal 01-10-2008 al 01-03-2012
- SUPERVISORE TESI DI DOTTORATO - Smrithi Rekha V, Dottorato da conseguire presso l'Univesita' di Amrita Vishwa Vidyapeetham [<https://www.amrita.edu/>]  
dal 01-01-2013 a oggi
- SUPERVISORE TESI DI DOTTORATO - Mirco Franzago, Dottorato INGEGNERIA E SCIENZE DELL'INFORMAZIONE, da conseguire presso il Dipartimento DISIM dell'Università dell'Aquila. Titolo tesi: Collaborative Model-Driven Software Engineering.  
dal 01-01-2014 a oggi
- SUPERVISORE TESI DI DOTTORATO - Mohammad Sharaf, Dottorato INGEGNERIA E SCIENZE DELL'INFORMAZIONE, da conseguire presso il Dipartimento DISIM dell'Università dell'Aquila. Titolo tesi: Architecting Situational-Aware Cyber-Physical Systems: a Model Driven Engineering approach.  
dal 01-01-2014 a oggi
- MEMBRO COLLEGIO DOTTORATO - membro del Collegio di Dottorato in INGEGNERIA E SCIENZE DELL'INFORMAZIONE (DOT13VJY7J), Università degli Studi dell'Aquila.  
dal 01-01-2014 a oggi
- SUPERVISORE TESI DI DOTTORATO - Mahyar Turchi Moghaddam, Dottorato PON in INGEGNERIA E SCIENZE DELL'INFORMAZIONE, da conseguire presso il Dipartimento DISIM dell'Università dell'Aquila.  
dal 01-09-2016 a oggi
- SUPERVISORE TESI DI DOTTORATO - Karthik Vaidyanathan, Dottorato presso il Gran Sasso Science Institute (GSSI)  
dal 01-10-2017 a oggi

Formale attribuzione di incarichi di insegnamento o di ricerca (fellowship) presso qualificati atenei e istituti di ricerca esteri o sovranazionali

- INCARICHI DI INSEGNAMENTO ALL'ESTERO - Appointed for ICS123: Software Architectures, Distributed Systems and Interoperability, Information and Computer Science, University of California, Irvine (CA), Fall Quarter, 2002  
dal 01-01-2002 al 01-01-2002
- INCARICHI DI INSEGNAMENTO ALL'ESTERO - Appointed for ICS122: Software Specification and Quality Engineering, Information and Computer Science, University of California, Irvine (CA), Spring Quarter, 2002  
dal 01-01-2002 al 01-01-2002
- INCARICHI DI INSEGNAMENTO ALL'ESTERO - Appointed for ECI05: Software Architecture-based Testing and Model-checking, School of Computer Science, University of Buenos Aires.  
dal 01-05-2005 al 01-05-2005
- INCARICHI DI INSEGNAMENTO ALL'ESTERO - Appointed for ICS121: Software Tools and Methods (6 ECTS), Information and Computer Science, University of California, Irvine (CA). 10-wk Summer Quarter  
dal 01-01-2006 al 01-01-2006
- INCARICHI DI INSEGNAMENTO IN LAUREE INTERNAZIONALI - Insegnamento del corso su Software Architecture, 6 ECTS, e Software Architecture Project, 3 ECTS, nel contesto della Laurea Internazionale GSEEM (Global Software Engineering European Master) [[www.gseem.eu](http://www.gseem.eu)]  
dal 01-01-2006 a oggi
- INCARICHI DI INSEGNAMENTO IN LAUREE INTERNAZIONALI - Insegnamento del corso su Software Architecture, 6 ECTS, e Software Architecture Project, 3 ECTS, nel contesto della Laurea Internazionale I2COST (Indo-Italian Master Degree in Computer Science and Technology) [<http://www.disim.univaq.it/teaching/master-i2cost>]  
dal 01-01-2014 a oggi

Conseguimento di premi e riconoscimenti per l'attività scientifica, inclusa l'affiliazione ad accademie di riconosciuto prestigio nel settore

- DISTINGUISHED REFEREE AWARD - "Distinguished Referee" award, rilasciato dalle IEEE Transactions on Software Engineering (TSE), nell'anno 2012  
dal 01-01-2012 al 01-01-2012
- DISTINGUISHED REFEREE AWARD - "Distinguished Referee" award, rilasciato dalla ACM Transactions on Software Engineering and Methodology (TOSEM) in data 21 gennaio 2013, per "... outstanding service in 2011 and 2012"  
dal 21-01-2013 al 21-01-2013
- ADJUNCT PROFESSOR - Adjunct Faculty member alla Amrita Vishwa Vidyapeetham University, India [<https://www.amrita.edu/>]  
dal 01-01-2015 a oggi

Risultati ottenuti nel trasferimento tecnologico in termini di partecipazione alla creazione di nuove imprese (spin off), sviluppo, impiego e commercializzazione di brevetti

- PRESIDENTE - Spin-off Accademico nExpecto Srl - start-up dell'Università degli Studi dell'Aquila con sede a L'Aquila, in Via Vetoio  
dal 01-10-2017 a oggi
- SOCIO FONDATORE - Spin-off Accademico nExpecto Srl - start-up dell'Università degli Studi dell'Aquila con sede a L'Aquila, in Via Vetoio  
dal 01-10-2017 a oggi

Specifiche esperienze professionali caratterizzate da attività di ricerca attinenti al settore concorsuale per cui è presentata la domanda per l'abilitazione

- POST DOC: Universita' di California, Irvine (USA)  
dal 01-01-2002 al 31-12-2002
- RESPONSABILE - convenzione di Laurea Doppio Titolo tra l'Universita' degli Studi dell'Aquila, la VU University Amsterdam, e la Malardalen University Sweden [[www.gseem.eu](http://www.gseem.eu)]  
dal 01-01-2006 a oggi
- RESPONSABILE - convenzione tra il Laboratorio IBM di Roma e l'Universita' degli Studi dell'Aquila. Tale convenzione ha l'obiettivo di supportare una collaborazione sul tema delle Architetture Software tra l'azienda e la mia Universita'.  
dal 01-01-2014 a oggi
- RESPONSABILE - convenzione di Laurea Doppio Titolo tra l'Universita' degli Studi dell'Aquila e l'Amrita Vishwa Vidyapeetham University in India  
[[www.disim.univaq.it/didattica/content.php?go=i2cost](http://www.disim.univaq.it/didattica/content.php?go=i2cost)]  
dal 01-01-2014 a oggi
- RESPONSABILE - convenzione tra la CLARITER Srl e l'Universita' degli Studi dell'Aquila. Tale convenzione ha l'obiettivo di supportare una collaborazione sul tema del Crowd Testing tra l'azienda e la mia Universita'.  
dal 01-01-2015 a oggi
- RESPONSABILE - progetto EASYLINE, realizzato per l'Universita' degli Studi dell'Aquila, per la gestione delle code presso le Segreterie Studenti dell'Ateneo.  
dal 01-01-2015 a oggi
- RESPONSABILE - convenzione con le GALLERIE DEGLI UFFIZI, per la realizzazione di un nuovo sistema per la gestione delle folle e per la Urban Security del plesso museale.  
dal 01-07-2016 a oggi

