Prof. HENRY MUCCINI, *Ph.D.*
Curriculum Vitae

Department of Information Engineering, Computer Science, and Mathematics

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In Brief

Henry Muccini received is PhD degree in Computer Science from the University of Rome – La Sapienza - in 2002. He is Associate Professor at the University of L'Aquila since 2014 and has been Assistant Professor in the same university since 2002. He has been visiting professor at Information & Computer Science, University of California, Irvine in 2002 and 2006. My research interests are in the Computer Science area, Software Engineering field. In particular, my main research interests are on software architecture descriptions and analysis, architecture-based analysis, model driven engineering, and engineering mobile applications.

I will be the general chair of I-CiTies 2018, the 4th Italian Conference on ICT for Smart Cities & Communities and I have been chairing the Program Committee of I-CiTies 2017. I have been general chair of MOBILESoft 2017, the 4th IEEE/ACM International Conference on Mobile Software Engineering and Systems, and co-chaired the Program Committee of *WICSA 2016*, the 13th Working IEEE/IFIP Conference on Software Architecture. I have been co-chairing the Program Committee of *DeMobile 2015*, the 3rd Int. Workshop on Software Development Lifecycle for Mobile (co-located with ESEC/FSE 2015), of *AST 2013*, the Automation of Software Test workshop (co-located with ICSE 2013), *QSIC 2012*, the 12th Int. Conference on Quality Software, and the *EUROMICRO SEAA 2012*, the 38th Euromicro Conference on Software Engineering and Advanced Applications. I am currently the steering committee chair of the International Workshop on Software Engineering for Resilient Systems, SERENE (serene.disim.univaq.it).

I have published over 130 international conference and journal articles on these topics, and co-edited two books (*Software Engineering of Fault Tolerant Systems*, World Scientific Publishing, June 2007 and Architecting Dependable Systems V, Lecture Notes in Computer Science 5135, August 2008). I have been the co-guest editor of a number of special issues (among them, two special issues from the Science of Computer Programming by Elsevier in 2014, a special issue on Software Architecture for Code Testing and Analysis on the Springer Computing journal, and a special issue on Software Test Automation, Practice, and Standardization on the IJSEKE journal (2011)).

Henry is the theme issue associate editor of IEEE Software, and an editorial board member of IEEE Software the journal "Advances in Software Engineering" (Hindawi). Henry is also a member of the IFIP 2.10 Working Group on Software Architecture.

Henry is currently directing two laboratories: the CINI Smart Cities & Communities laboratory (https://www.consorzio-cini.it/index.php/en/national-laboratories/laboratorio-smart-cities), and the Internet of Things Living Lab.

Henry is the person in charge for two international double degree master degree in Computer Science: the GSEEM, Global Software Engineering European Master program (www.gseem.eu), running since 2006, and the I2COST, Indo-Italian Master Degree in Computer Science and Technology (http://www.disim.univaq.it/teaching/master-i2cost) running since 2015.

I am also (or, have been) the responsabile of a number of events: the ICSA 2016 New Ideas track, the EDCC 2017 Workshops, the SERENE 2014 Autumn Scool on the Engineering of Resilient Cyber Physical Systems (2014), the 9th TAROT Summer School on Software Testing (2013), the AST 2011 charette session on Architecture support for Testing: automation of software test (2011), the Dagstuhl Seminar 10111 on "Practical Software Testing: Tool Automation and Human Factors (2010).

More detailed information may be found below or at http://www.HenryMuccini.com

Personal Data and Contact Information

Born in:	Riccione (RN), Italy, on 1972
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	67010 Coppito – L'Aquila
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Professional Preparation

2002	PostDoc in Computer Science at the University of California – Irvine (US)
2002	PhD. in Computer Science at the University of Rome "La Sapienza" (Italy)
1997	Master Degree in Computer Science from the University of L'Aquila (Italy), with final grade 110/110 cum laude

Appointments

2014-today	Associate Professor in Computer Science, Department of Information Engineering, Computer Science, and Mathematics, University of L'Aquila, Italy
2002-today	Assistant Professor in Computer Science, Department of Information Engineering, Computer Science, and Mathematics, University of L'Aquila, Italy
2012-today	Member of the DEWS, Excellence center on "Design methodologies of Embedded controllers, Wireless interconnect and Systems-on-chip" (http://dews.univaq.it/)
2015-today	Adjunct Faculty member at the Amrita University, India.
2003-2005	Consultant at Terma GmbH
2001-2003	Consultant at Siemens C.N.X.
1997-2002	Ph.D. student at the University of Rome, La Sapienza
1997-1999	Software Engineer at "Parco Scientifico e Tecnologico d'Abruzzo"

PC Member

In the past few years, I have been serving in the PC of prestigious international events on Software Enginneering, and more specifically on Software Architecture, Software Testing and verification and validation, and Software Engineering for Mobile Applications.

Conference Acronym	most recent	previous years	Conference Name
ICSE	2018 (Pub)	2018 (Pub), 2018 (SEET), 2017,	Int. Conf. on Software Engineering

		2016, 2016 (SEIS), 2014, 2014 (DS), 2011 (SEIP), 2008 (Demo)	
ASE	2015	2015, 2014, 2010 (TD), 2009, 2008, 2008 (TD), 2007	IEEE/ACM Int. Conf. on Automated Software Engineering
(ESEC/)FSE	2016	2016, 2015 (DS), 2012 (NIER), 2011, 2011 (Wks co-chair), 2010	(European Software Engineering Conference and) the ACM SIGSOFT Symposium on the Foundations of Software Engineering
MODELS	2016 (EduSymp)	2016 (EduSymp chair), 2016, 2015, 2014, 2008 (DS+Wks), 2007 (Wks),	Int. Conf. on Model Driven Engineering Languages and Systems
WICSA -> ICSA	2018	2017, 2017 (NeMi co-chair), 2016 (PC co-chair), 2015, 2014, 2012, 2011	IEEE/IFIP Working Conf. on Software Architecture
ECSA	2018	2017, 2016, 2015, 2014 (TD), 2013, 2013 (DS), 2011, 2010	European Conference on Software Architecture
CBSE	2014	2013, 2010-2007	Int. SIGSOFT Symposium on Component-Based Software Engineering
MobileSoft	2018	2017 (General chair) 2016, 2016 (DS chair), 2015, 2014	IEEE/ACM Int. Conf. on Mobile Software Engineering and Systems
ICST	2014	2013, 2012, 2010-2008	IEEE Int. Conf. on Software Testing, Verification and Validation
SBES	2017	2016	Brazilian Symposium on Software Engineering
ACM/SAC	2018	2017, 2016, 2015, 2014, 2013, 2011-2008	ACM Symposium on Applied Computing
FASE	2015	2007	Int. Conf. on Fundamental Approaches to Software Engineering
ICSOFT	2016 (keynote)	2014, 2010, 2009, 2008	Int. Conf. on Software Paradigm Trends
QSIC -> QRS	2017	2015, 2014, 2013, 2012 (PC chair), 2011	Int. Conf. on Quality Software -> IEEE International Conference on Software Quality, Reliability and Security
ICSEA	2015	2014, 2012-2009, 2007	Int. Conf. on Software Engineering Advances
SEAA	2015	2014, 2012 (PC chair), 2009-2007	EUROMICRO Conf. on Software Engineering and Advanced Applications

I have been also acting as a reviewer on the following journals: 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

Maintainance and Evolution (JSME), Automated Software Engineering Journal (AUSE), Information and Software Technology (IST).

I am in the editorial board of the "Advances in Software Engineering" journal by Hindawi

In 2012 I received the "Distinguished Referee" award from the IEEE Transactions on Software Engineering (TSE); in 2013 I received the "Distinguished Referee" award from the ACM Transactions on Software Engineering and Methodology.

Chairing activities

2018	General chair of i-Cities 2018, the 4th Italian Conference on ICT for Smart Cities & Comunities, L'Aquila, Italy.
2018	PC chair of SERENE 2018, 10th International Workshop on Software Engineering for Resilient Systems, @EDCC2018.
2017	PC chair of i-Cities 2017, the 3rd Italian Conference on ICT for Smart Cities & Communities, Bari, Italy.
2017	General chair of MOBILESoft 2017, the 4th IEEE/ACM International Conference on Mobile Software Engineering and Systems.
2016	PC co-chair of WICSA 2016, the 13th Working IEEE/IFIP Conference on Software Architecture.
2015	PC co-chair of 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/).
2013	PC co-chair of AST 2013, the 8th Int. Workshop on Automation of Software Test (co-located with ICSE 2013, http://software.nju.edu.cn/zychen/ast/).
2012	PC co-chair of QSIC 2012, the 12th Int. Conference on Quality Software (http://www.di.univaq.it/qsic2012/) (proceedings published by the IEEE Computer Society Press).
2012	PC co-chair of 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)

Chairing of Workshops\Events\Special Issues

2018	Co-guest editor of the IEEE Software theme issue on Collaborative Modeling in Software Engineering
2017	Co-organiser of the MODELS 2017 workshop on Collaborative Modeling in MDE
2016	Co-organiser of the MODELS 2016 workshop on Collaborative Modeling in MDE
2015	Co-organiser DeMobile 2015, 3rd International Workshop on Software Development Lifecycle for Mobile
2015	Co-chair of the STAF 2015 Doctoral Symposium Track
2014	Co-guest editor of the Special Issue on Science of Computer Programming associated to the QSIC 2012 conference
2014	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
2014	Director of the SERENE 2014 Autumn School on Engineering Resilient Cyber Physical Systems
2014	Co-organiser of the EEEWSN2014 workshop Engineering Energy Efficient Wireless Sensor Networks
2014	Publicity chair of WICSA 2014, ECSA 2014, and ASE 2014
2013	Director of the 9th edition of the TAROT Summer School on Software Testing
2013	MOBS 2013: Co-organizer of the International Workshop on the Engineering of Mobile-Enabled Systems
2013	Co-guest editor of the Special Issue on "Software Architecture for Code Testing and Analysis", Computing journal
2012	Workshops co-chair of ESEC/FSE 2011, the European Software Engineering

Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering

2012	Host organizer of the IFIP 2.10 working group on Software Architecture
2011	Co-organizer of the workshop on "Architecture-Based Testing and System Validation Workshop" @ WICSA 2011
2011	Publicity chair of WICSA 2011, the 9th Working IEEE/IFIP Conference on Software Architecture
2010	Co-organizer of three workshops on "Architecture Support for Testing": Pittsburgh, Pisa, Siviglia.
2010	Co-organizer of the Dagstuhl seminar 10111 on "Practical Software Testing : Tool Automation and Human Factors"
2010	Co-guest editor of the "Software Test Automation, Practice, and Standardization" Special Issue, IJSEKE Journal
2010	Co-organizer of the Int. Workshop on Software Test Automation, Practice, and Standardization, co-located with SEKE'2010
2010	Director of the SERENE 2010 Spring School on Resilience and Self-* Systems
2008	Guest-editor of a special issue on the International Journal of Computer Systems Science and Engineering
2008	SERENE08: Co-founder and co-organizer of the Software Engineering for Resilient Systems Workshop, Newcastle, 2008
2008	ICST08_ST: Co-chair of the ICST Student Paper Track, the IEEE 1st Int. Conference on Software Testing, Verification and Validation
2006-2007	EFTS06 and EFTS07: Co-organizer of the 2nd Int. Workshop on "Engineering of Fault Tolerant Systems" EFTS 2007. 04 September 2007, Dubrovnik, Croatia, co-located with ESEC/FSE 2007. Co-organizer of the 1° International Workshop on the "Engineering of Fault Tolerant Systems" - EFTS 2006 – 12 and 13 June 2006, Luxembourg
2006-2007	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.
2007	WISE07: Co-organizer of the WISE track on "Widened Software Engineering", part of the ESEC/FSE 2007, September 2007, Dubrovnik, Croazia.
2007	COMPARCH07: Co-organizer of the 1st "Federated Events on Component-Based Software Engineering and Software Architecture" – CompArch., 09-13 July, 2007, Boston, USA.
2007	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.

Invited Talks and Seminars

2016	*"Exploring the Temporal Aspects of Software Architecture", **keynote** at ICSOFT 2016, the 12th International Conference on Software Technologies.*
2014	"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.
2014	Series of invited *seminars* at the Amrita University, India, June 2014
2014	"Software Architecture: introduction to the abstraction", May 2014, invited *seminar* at the University of Split, Croazia (invited by dr. Maja Štula)
2014	"Needs, Challenges, and Opportunites in Architecture Languages", March 2014, invited *seminar* at the University of Urbino (invited by prof. Marco Bernardo)
2013	"Needs, Challenges, and Opportunites in Architecture Languages", December 2013, invited *seminar* at the University of Bolzano (invited by prof. Alberto Sillitti)
2013	Series of invited *seminar* at the Gran Sasso Science Institute (GSSI), L'Aquila

2013	"The Role of Model Driven Engineering in Software Architecture Descriptions", January 2013, invited *seminar* at the Middlesex University, UK (invited by prof. Leonardo Mostarda)
2013	"The Role of Software Architecture in Testing and Analysis Mobile-enabled systems", February 2013, invited *seminar* at the University of Singapore (invited by prof. David Rosenblum)
2013	"A "SERENE" overview of the SOTA on Engineering Resilient Systems" and "On the role of context-changes in Engineering Resilient Context-Aware Applications: initial thoughts", January 2013, *speech* at the Dagstuhl Seminar 13022 on "Engineering Resilient Systems: Models, Methods and Tools"
2012	"Future Research in Resilience", *Panel* at SERENE 2012, 4th International Workshop on Software Engineering for Resilient Systems, 27-28 September 2012, - Pisa, Italy
2012	"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
2011	"AST2: Architecture Support for Testing", May 2011, *invited Charette* session at AST 2011, 6th IEEE/ACM ICSE workshop on "Automation of Software Test", Honolulu, USA
2010	"Architecting Critical Software Systems", May 2010, invited *seminar* at the University of Milano Bicocca, Italiy (invited by dr. Leonardo Mariani)
2010	"Engineering best-fit Architecture Description Languages", October 2010, invited *seminar* at the IFIP Working Group 2.10 on Software Architecture
2010	"Multi-model-based Analysis", e "Architecture-based Testing: how MBT may help?", October 2010, *speeches* at the Dagstuhl Seminar 10421 on "Model-Based Testing in Practice"
2008	"Model-based Testing in Model Driven Development: achievements, issues, and challenges", 2008, invited *seminar* at the Malardalen University Sweden (invited by prof. Ivica Crncovik).
2007	"Architecting Fault Tolerant Systems", ***keynote*** at RISE 2007, the 4th Int. workshop on the Rapid Integration of Software Engineering Techniques, Novembre 2007, Luxemburg.
2007	"Monitoring Architectural Properties in Dynamic Component-based Systems", December 2007, invited *seminar* at the Dept. of Mathematics and Computer Science, University of Camerino, Italy (invited by prof. Flavio Corradini).
2006	"Software Architecture-based Testing", August 2006, invited speech at the Northrop Grumman group (invited by prof. Debra J. Richardson)
2006	"The Role of Software Architecture for Testing and Analysis", August 2006, *invited* speech at Siemens S.C.R., US (invited by dr. Marlon Vieira)
2006	"Architecting Fault Tolerant systems: state of the art and ongoing work with CAAs", April 2006, invited *seminar* at the University of Luxembourg (invited by prof. Nicolas Guelfi).
2005	"Model-based Analysis of Software Architectures: our research group experience and future trends", July 2005, invited *seminar* at the Padeborn University, Germany (invited by prof. Holger Giese)
2005	"Software Architecture-based Modeling and Analysis", June 2005, invited *seminar* at the Fondazione Bruno Kessler (formerly, ITC-IRST), Italy (invited by dr. Antonio Bucchiarone).

Projects

Research Projects:

2016-today	Leader of the research and development project with the UFFIZI Galleries, Florence.
2012-2016	Member of the RIDITT Ricostruire project
2012-2015	CRAFTERS - ARTEMIS Call 2011 Project | Project Nr. 295371, on "ConstRaint and Application driven Framework for Tailoring Embedded Real-time Systems". Web: http://www.crafters-project.org/
2008-2010	dASAP - PRIN Italian Project on "Software Architectures for Dependable and Adaptable Pervasive Computing Systems: design, analysis, and validation"

2006-2009	ART-DECO - FIRB Italian Project on "Adaptive InfRasTructures for DECentralized Organizations" Web: http://artdeco.elet.polimi.it/
2007	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.
2006-2008	POPEYE - FP6-2005-IST EU Project on "Professional Peer Environment Beyond Edge Computing" Web: http://www.ist-popeye.org
2001-2003	SAHARA - MIUR National Project Software Architectures for Heterogeneous Access Network Infrastructures (SAHARA). Web: http://sahara.di.univaq.it/
1999-2000	SALADIN - MURST National Project Software Architectures and Languages to Coordinate Distributed Mobile Components (SALADIN). Web: http://saladin.dm.univaq.it/.

Internationalization Projects:

2014-2018	EUROWEB+ ERASMUS MUNDUS action 2. Coordinator for the University of L'Aquila.
2011-2015	EUROWEB ERASMUS MUNDUS action II project. Coordinator for the University of L'Aquila.
2010	MIUR COOPERAZIONE Interuniversitaria awarded 185.000 euros (from the Italian Ministry of Education, University and Research) for supporting mobility in the context of the GSEEM Global Software Engineering European Master
2008	MIUR COOPERAZIONE Interuniversitaria Awarded 180.000 euros (from the Italian Ministry of Education, University and Research) for supporting mobility in the context of the GSEEM Global Software Engineering European Master.
2008	MIUR Giovani Ricercatori Indiani Awarded 45.000 euros (from the Italian Ministry of Education, University and Research) for supporting mobility of Indian researchers to the University of L'Aquila.
2008–2011	EURECA ERASMUS MUNDUS External Cooperation Window Erasmus Mundus, External Cooperation Window, 2nd Call (EACEA/34/07) Coordinator for the University of L'Aquila unit.
2007-today	GSEEM - Global Software Engineering European Master. Double Degree in Computer Science. Coordinator for the University of L'Aquila unit.

Internazionalization tasks

2014-today	Person in charge for the Double Degree master programme between the University of L'Aquila, Italy, and the Amrita University, India
2014-today	Person in charge for the Double Degree master programme between the University of L'Aquila, Italy, and the LNMIIT, the LNM Institute of Information Technology, India
2006-today	Person in charge for the Double Degree master programme GSEEM - Global Software Engineering European Master between the University of L'Aquila, the VU University Amsterdam, The Netherlands, and the Malardalen University, Sweden (www.gseem.eu)
2008-today	Coordinator, for the University of L'Aquila, of the Erasmus Mundus EMA2 EUROWEB ed EUROWEB+, and of the Erasmus Mundus ECW EURECA.

Teaching

2015-today	Appointed for the *Software Architecture* master-level course (6 ECTS), DISIM, University of L'Aquila, Italy
2015-today	Appointed for the *Software Engineering* bachelor-level course (6 ECTS), DISIM, University of L'Aquila, Italy
2016-today	Appointed for the *Software Architecture Project* master-level course (3 ECTS), DISIM, University of L'Aquila, Italy

2004-today	Appointed for the *Modeling Web Application with the UML* course (6 ECTS), part of the "Master in Web Technology", DISIM, University of L'Aquila, Italy
2005-2014	Appointed for the *Analysis and Testing of Component-based Systems* course (6 ECTS), DISIM, University of L'Aquila, Italy
2011-2012	Appointed for the *Advanced Software Engineering Project* course (6 ECTS), DISIM, University of L'Aquila, Italy
2002-2008	Appointed for the *Computer Architecture Laboratory* (3 ECTS), Computer Science Department, University of L'Aquila (Italy)
2006	Appointed for *ICS121: Software Tools and Methods* (6 ECTS), Information and Computer Science, University of California, Irvine (CA) 10-wk Summer Quarter
2005	Appointed for *ECI05: Software Architecture-based Testing and Model-checking*, School of Computer Science, University of Buenos Aires.
2002	Appointed for *ICS123: Software Architectures, Distributed Systems and Interoperability*, Information and Computer Science, University of California, Irvine (CA), Fall Quarter, 2002
2002	Appointed for *ICS122: Software Specification and Quality Engineering,* Information and Computer Science, University of California, Irvine (CA), Spring Quarter, 2002

Other teaching activities include: the delivery of a course on Web Design with the UML to the ISTAT, Rome (2014), the delivery of three courses on UML for the Web in companies in Rome (2010-2012), and the delivery of a professional IFTS course on UML modeling (2009).

Publications

During my career, I have published over 130 conference and journal peer-reviewed international articles, with h-index 26, i10-index 59, and total number of citations 2335 (according to GoogleScholar).

My research work has been conducted in collaboration with 73 international colleagues and thanks to the contribution of the following (ongoing or past) Ph.D. students: Ivano Malavolta, Mohammad Sharaf, Smrithi Rekha V., Mirco Franzago, Mahyar Tourchi Moghaddam, and Karthik Vaidyanathan.

The complete list of papers I published can be found on the DBLP (http://www.informatik.uni-trier.de/~ley/pers/hy/m/Muccini:Henry.html) or on my website.

For further information, you may visit my web page http://www.henrymuccini.com/

L'Aquila, December 04, 2017

Henry Muccini