

PERSONAL INFORMATION **Paolo Vavassori**



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Sex Male | Date of birth 12 May 1984 | Nationality Italian

POSITION **PhD Student, course in Mechatronics, Information Technology, New Technologies and Mathematical Methods**

WORK EXPERIENCE

Nov 2012–Present

University of Bergamo

15 Feb 2012–16 Feb 2013

**Research Fellow**

University of Bergamo

Project Manager: development of software for bio-medical instruments for audiology in partnership with M.R.S electronics

Combinatorial Interaction testing researcher

2012–Present

**University teaching assistant**

University of Bergamo, Bergamo (Italia)

INFO 2 and INFO3 teaching assistant for Prof. Angelo Gargantini and for Prof. Patrizia Scandurra

EDUCATION AND TRAINING

**Master Degree Computer Engineering**

"Maturità Scientifica" PNI 100/100 at F.Lussana liceum

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	B2	B2	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

Communication skills - good communication skills gained through my experience as INFO 2 INFO3 tutor and teaching assistant at UNIBG

Organisational / managerial skills -good organisational skills gained as member of many computer engineering research team

Job-related skills

**-mentoring skills (as tutor in many MSC Thesis)**

**Skills gained during my research activities :**

- Java
- Linux
- Software Engineering
- Research
- Statistics
- Data Analysis
- Matlab
- Teaching
- R
- Artificial Intelligence
- C++
- LaTeX
- SQL
- Microsoft Office
- Testing

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

Driving licence B

I am author of many international publications on Software Testing and Computer Engineering. The list

ADDITIONAL INFORMATION

Publications

of my publications is reported below

- 1) Gargantini, Angelo, and Vavassori, Paolo  
*CitLab: a Laboratory for Combinatorial Interaction Testing*  
**in Workshop on Combinatorial Testing (CT) In conjunction with International Conference on Software Testing (ICST 2012, April 17-1) IEEE Computer Society (2012): 559-568 ISBN 978-0-7695-4670-4**
- 2) Calvagna, Andrea, Gargantini, Angelo, and Vavassori, Paolo  
*Combinatorial Interaction Testing with CITLAB*  
**in Sixth IEEE International Conference on Software Testing, Verification and Validation - Testing Tool track IEEE Computer Society, ICST '13 (2013): 376--382 ISBN 978-0-7695-4968-2**
- 3) Calvagna, Andrea, Gargantini, Angelo, and Vavassori, Paolo.  
*Combinatorial Testing for Feature Models Using CitLab*  
**in The 2nd International Workshop on Combinatorial Testing (IWCT 2013) In conjunction with International Conference on Software Testing (ICST 2013, March 18-22) Luxembourg IEEE Computer Society, ICSTW'13 (2013): 338--347 ISBN 978-0-7695-4993-4**

- 4) Arcaini, Paolo, Gargantini, Angelo, and Vavassori, Paolo  
*NuSeen: an eclipse-based environment for the NuSMV model checker*  
**in Eclipse-IT 2013- VIII Workshop of Italian Eclipse Community(2013) ISBN 978-88-904388-4-4**
- 5) Gargantini, Angelo, and Vavassori, Paolo  
*Efficient Combinatorial Test Generation based on Multivalued Decision Diagrams*  
**in Hardware and Software: Verification and Testing, Haifa Verification Conference HVC 2014 (Eds. Yahav, Eran) Springer International Publishing, Lecture Notes in Computer Science, vol. 8855 (2014):220-235 ISBN 978-3-319-13337-9**
- 6) Paolo Arcaini, Angelo Gargantini, and Paolo Vavassori  
*Validation of Models and Tests for Constrained Combinatorial Interaction Testing*  
**in The 3rd International Workshop on Combinatorial Testing (IWCT 2014) In conjunction with IEEE International Conference on Software Testing (ICST 2014, March 31 - April 4) (2014): 98-107**
- 7) Arcaini, Paolo, Gargantini, Angelo, and Vavassori, Paolo  
*Generating Tests for Detecting Faults in Feature Models*  
**in ICST 2015 8th IEEE International Conference on Software Testing, Verification and Validation (2015): 1-10**
- 8) Arcaini, Paolo, Gargantini, Angelo, Riccobene, Elvinia, and Vavassori, Paolo  
*Rehabilitating equivalent mutants as static anomaly detectors in software artifacts*  
**in Mutation 2015 - Software Testing, Verification and Validation Workshops(ICSTW), 2015 IEEE Eighth International Conference on (2015): 1-6**
- 9) Gargantini, Angelo, and Vavassori, Paolo  
*Using Decision Trees to aid Algorithm Selection in Combinatorial Interaction Test Generation*  
**in IWCT - International Workshop on Combinatorial Testing (2015): 1-10**  
*Paper under submission:*
- 10) P. Arcaini, A. Gargantini, E. Riccobene, and P. Vavassori. *A novel use of equivalent mutants for static anomaly detection in software artifacts.* **In Information and Software Technology, 2016 (under review. Minor revision) ACCEPTED**
- 11) Arcaini, Paolo, Gargantini, Angelo, and Vavassori, Paolo  
*Automatic Detection and Removal of Conformance Faults in Feature Models*  
**in ICST 2015 9th IEEE International Conference on Software Testing, Verification and Validation (2016):**

[Conferences](#) I presented my publications and my projects at ICST and at IWCT during the 2013 and 2015 editions.