

Marco Guazzone

Curriculum vitae

BIO AND EDUCATION

Currently, I am an **associate professor of Computer Science** at the Department of Sciences and Technological Innovation of the University of Piemonte Orientale (Italy). From 1996 to 2006, I worked for several IT companies, primarily as **software developer** and **software architect**. In July 2007, I took the **Laurea degree in Computer Science** at the University of Piemonte Orientale. In March 2012, I got the **Ph.D. degree in Science and High Technology (spec. Computer Science)** at the University of Torino. From 2011 to 2014 I had a **research fellow** position at the University of Piemonte Orientale and at the University of Torino (Italy). From 2015 to 2019, I was a **research fellow (type A fixed-term researcher)** at the University of Piemonte Orientale. From 2019 to 2022, I was a **tenure-track assistant professor (type B fixed-term researcher)** at the University of Piemonte Orientale.

Education:

1. **Ph.D. degree in Science and High Technology (spec. Computer Science)**,
University of Torino (Italy), March 2012.
2. **Laurea degree “summa cum laude” on Computer Science**,
University of Piemonte Orientale (Italy), July 2007.
3. **High school degree “Maturità Tecnica: Diploma di Perito Industriale Capotecnico, Spec. Informatica”**,
Istituto Tecnico Industriale Statale “A. Volta” (Italy), July 1996.

UNIVERSITY CAREER

2022-now	Associate professor, University of Piemonte Orientale
2019-2022	Tenure-track assistant professor (type B fixed-term researcher), University of Piemonte Orientale
2015-2019	Research fellow (type A fixed-term researcher), University of Piemonte Orientale
2014-2015	Research fellow, University of Piemonte Orientale
2013-2014	Research fellow, University of Torino
2011-2013	Research fellow, University of Piemonte Orientale
2008-2011	Ph.D. candidate, University of Torino
2007-2007	Postgraduate fellow, University of Piemonte Orientale

MAIN FIELDS OF INTEREST

1. Cloud, fog and edge computing
2. Green computing
3. Large-scale data processing

4. Resource management systems
5. Digital Forensics
6. Decision support systems
7. Medical informatics
8. Autonomic Computing
9. Workload Characterization

CURRENT ISSUES OF RESEARCH

1. Workload Characterization

In the area of workload characterization, the research activity of Marco Guazzone is focused on the study and design of realistic workload models for computer systems.

2. Distributed Systems and Paradigms

In the area of distributed systems and paradigms, the research activity of Marco Guazzone is focused on *grid computing* and *cloud computing* paradigms, and, in this context, on the design and development of software middlewares and on the automatic management of physical resources.

3. ICT Sustainability

In the area of ICT sustainability, the research activity of Marco Guazzone is focused on the study and design of techniques to make more sustainable the energy consumption of computing systems (*green computing*) and communication systems (*green networking*) through the reduction of energy consumption and the use of renewable energy sources, without impacting on the profits of the providers of the infrastructure that hosts the system.

4. Digital Forensics

In the area of digital forensics, the research activity of Marco Guazzone is focused on the study and design of methodologies for the forensic analysis of mobile devices (like smartphones and tablets).

5. Decision support systems

In the area of decision support systems, my research activity focuses on the design of innovative approaches, especially aimed at the medical domain, (1) for modeling and reasoning on time constraints in computerized guidelines, and (2) for learning and analyzing processes.

FURTHER INFORMATION

For more information about my research, teaching and professional activities, please visit my personal webpage: <http://people.unipmn.it/sguazt/>.