

Short CURRICULUM VITAE

Roberto Baldoni

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Since January 2005 he is Full Professor of Distributed Systems at the Faculty of Engineering of the University of Rome "La Sapienza".

Positions at Sapienza University

- Since May 2012, Director of the Sapienza Research Center for Cyber Intelligence and Information Security (<http://www.cis.uniroma1.it>). *A multidisciplinary research center for developing new knowledge around themes on cyber security. Currently the center has 60 Sapienza faculties from Computer Science Dept., Economic Sciences Dept. and School of law. The research center has been created thanks to an agreement with Italian Dept. of Intelligence of the Presidency of Ministry Councils*¹.
- Since Nov. 2011, Dean of the School of Engineering in Computer Science at Sapienza University (<http://www.dis.uniroma1.it/~ccli>)

Positions at National Level

- Since 1st June 2014, Director of the Cyber Security National Laboratory. This organization has been created under the auspices of the Italian Dept. of Intelligence of the Presidency of Ministry Councils and joins 240 Faculties of 33 major Italian Universities (<http://www.consortio-cini.it/index.php/it/lab-nazionali/lab-cyber-security-2>).

Other Relevant Positions

- Since Sept. 2012, President of Over Technologies Ltd a Sapienza spinoff on home-automation <http://www.overttechnologies.com/>, based on the notions of self-organizing distributed systems, this spinoff produces new generation electric circuits for residential homes and buildings.

Relevant Past Positions

- 2013-2014, Chairman of the IEEE Technical Committee on Fault Tolerance and Dependable Systems <http://www.computer.org/portal/web/tandc/tcft>
- 2013-2014, Chairman of the Steering Committee of the annual IEEE International Conference on Dependable and Secure Systems and Networks (44th editions). <http://www.dependability.org/>
- From 2009 to 2012. Director of the Master in Interoperability for Public Administration and networked enterprises

Past Academic Positions

From Nov 1996 to Oct 2006 Roberto Baldoni has been assistant professor and then associated professor at Sapienza University of Rome.

Roberto Baldoni was a visiting professor at

- INRIA, France (1994-1995)
- Cornell University, USA (1996),
- EPFL, Switzerland (2003).

¹ <http://www.sicurezza nazionale.gov.it/sisr.nsf/collaborazione-con-le-universita/universita-degli-studi-di-roma-sapienza.html>

- INRIA, France (2007)

Member of:

- IFIP Working Group 10.4 on dependable computing systems
- Steering Committees of international conferences:
 - ACM Distributed Event-Based Systems (8th Editions) <http://debs.org/>
 - Principles of Distributed Systems (15th Editions) <http://opodis2014.dis.uniroma1.it/>
 - IEEE International Conference on Dependable and Secure Systems and Networks
- Steering Committee of the National Cyber Warfare Conference
<http://www.infowar.it/board.php>

Research Interests.

His research interests are: Distributed and Mobile Computing, Communication Protocols, Middleware, Information Systems, Critical Infrastructure Protection. In these areas he has:

- published over 65 papers in international journals with the review process and 167 conferences and workshops papers, dealing with issues related to the security, consistency and reliability of such systems.
- been the advisor of more than ten PhD students and he took part in more than 30 international committees of PhD students worldwide.
- chaired the most important international conferences in the field (ACM DEBS, IEEE SRDS, IEEE ICDCS, OPODIS)
- delivered more than 10 keynote speeches at international scientific forums worldwide. In the close future he will deliver a keynote at the 20th IEEE Pacific Rim International Symposium on Dependable Computing (PRDC 2014) that will be held in Singapore on November 19-21th 2014. <http://prdc.dependability.org/PRDC2014/> title of the keynote: *“From perimetral defense to immune systems: protecting the national cyber space”*

He holds currently an h-index of 35 (source google scholar) with around 4000 citations.

For more information please refer to these links:

Google Scholar: <http://scholar.google.com/citations?user=82tR6VoAAAAJ&hl=en>

DBLP: <http://www.informatik.uni-trier.de/~ley/pers/hd/b/Baldoni:Roberto.html>

Government Activities

- In Italy from 2003 to 2006 on behalf of the Italian Government, he led the working group defining the next generation Italian e-government systems (Public System of Cooperation).
- Roberto Baldoni is currently Sapienza University Rector Delegate of the Cooperation Agreement between Sapienza and the Department of Intelligence of the Italian Republic. This cooperation has been the framework for the set up of the Cyber Intelligence and Information security research center at Sapienza University.
- For the Italian Ministry of Foreign Affairs, Roberto Baldoni led the Italian scientific delegation for the actuation of a bilateral agreement between Italy and Israel in the context of cyber security that has been signed by the two Prime Ministers on December 2013. http://www.slideshare.net/Palazzo_Chigi/ita-isr-dichiarazionifinali20131202
- He is also an advisor of the Italian Presidency Ministries Council for cyber security affairs and regularly participates to meetings of the TTC (Cyber Technical Panel/”Tavolo tecnico Cyber”) which is part of the Interministerial Committee of the Security for the Italian Republic led by the Italian Prime minister (<https://www.sicurezza.italy.gov.it/sisr.nsf/english/about-us.html>). TTC is leading the implementation of the Italian Cyber Security Strategy.

- He is the inventor and the main writer of the annual report on the degree of readiness of Italian stakeholders to Italian cyber security (<http://www.dis.uniroma1.it/~midlab/articoli/13CIS-Report.pdf>). The 2014 cyber security report done in collaboration with AGID “Italian Agency for the implementation for digital agenda” (<http://www.agid.gov.it/>) will be published on January 14th 2015. The 2014 report will have a focus on public administration.
- He is also the inventor and the main writer of National Cyber Security Framework (<http://www.cybersecurityframework.it/en>). The Cyber Security Report 2015, realized by CIS-Sapienza (<http://www.cis.uniroma1.it/en>) and by the Cyber Security National Laboratory of the National Interuniversity Consortium for Informatics (<https://www.consortio-cini.it/lab-cyber-security>) introduced the Framework, based on the NIST Framework for Improving Critical Infrastructure Cybersecurity (<http://www.nist.gov/cyberframework/>) and is the result of a Public-Private-Partnership.

Coordination of Large European and Italian Projects

Roberto Baldoni works regularly as an expert for the European Commission in the definition of research programs in the following strategic objectives: critical infrastructure protection, security & dependability, e-government, software and services. Roberto Baldoni was:

- the coordinator of SM4ALL (2008-2011), a European IST project of middleware infrastructures for Networked Embedded Systems (5MEuros funding)
- the technical Comifin chair of COMIFIN (2008-2011) a European project on protection of financial infrastructure from cyber attacks through big data analytics.(5MEuros funding). A book published by Springer describes this experience
<http://www.springer.com/computer/communication+networks/book/978-3-642-20419-7>
- Member of the Executive Board of RESIST (2009-2012) a network of excellence on security & dependability (4MEuros funding)

Roberto Baldoni was also the head of the research unit of the University of Rome La Sapienza in more than 10 Italian and European large projects for a overall amount of funding of more than 3MEuros. Currently he is also the principal investigator of the Italian PRIN project TENACE on National Critical Infrastructure Protections. TENACE joins 11 leading Research Centers and Universities in Italy (2MEuros funding).

<http://www.dis.uniroma1.it/~tenace/>

Awards and Recognitions

- ACM service of recognition Award(2002)
- IBM Faculty Award (2010) for outstanding work on big data for security
- Service2Business Award (2010) for outstanding work on smart distributed systems
- Event Processing Technical Society Innovation Award (2011) for the development of the COMIFIN prototype work on big data for security
- IBM Faculty Award (2012) for outstanding work on smart distributed systems
- UK Royal Academy of Engineering fellowship (2015) for a project on Fundamentals of Cyber Security in Internet of Things