Curriculum vitae of Orazio Tomarchio

Generalities
 – Name: **Orazio Tomarchio**
 – Date and place of birth: Catania (Italy), July 2nd 1971
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Current position: **Associate professor**
Department of Electrical, Electronic and Computer Engineering
University of Catania (Italy)
(November 2014 – till now)

Education
 – Master degree in Computer Engineering in 1995, at University of Catania (Engineering Faculty) by presenting the degree dissertation entitled "Implementation of parallel application for the evaluation of a parallel object-oriented language".
 – PhD in Computer Science at University of Palermo, by presenting the dissertation "Mobile agent programming techniques and their application for distributed systems management"

Past positions
 – Assistant professor at the Department of Electrical, Electronic and Computer Engineering of University of Catania (February 2002 – October 2014)
 – Research assistant at the Department of Computer and Telecommunication Engineering of University of Catania (September 1999 – January 2002)

Teaching activity
He has been engaged in teaching several degree and master courses:
 – Software Engineering, master degree in Computer Science Engineering, University of Catania
 – Programming techniques for distributed systems, master degree in Telecommunication Engineering, University of Catania
 – Security in information systems, master degree in Computer Science Engineering, University of Catania
 – Fundamentals of programming, degree in Computer Science Engineering, University of Catania
 – Cryptography and data protection, Master in ICT security management in the enterprise (SecurMAN).
 – Security in information systems, Master ICT Internet Software Engineering.

Scientific activity
The scientific activity of Prof. Tomarchio was initially focused on studying distributed systems, particularly with regard to innovative programming and management techniques based on the mobile code paradigm. Subsequently, his scientific interests were focused on middleware for mobile ad-hoc network and for personal and ubiquitous computing, mobile P2P computing, Grid and service oriented architectures, security and SLA in Cloud computing, semantic technologies for service discovery and composition. Recently is interests are in the area of cloud computing, big data, IoT middleware and Business Process Management technologies.

Research activities have been carried out inside several national and European research projects, which are listed in the following:
 - Scientific coordinator for the regional project POR "GALACON" (2013-2015)

- Local coordinator for the University of Catania for the national project "SeNSori - SEnsor Node as a Service for hOme and buildings eneRgy savIng" funded by MISE (2011-2014)
- Scientific coordinator for the regional project POR "SEEE" (2012-2014)
- Scientific coordinator for the regional project POR "M3C: Mobile, monitoring, management and control" (2012-2014)
- Scientific coordinator for the regional project POR "HPM: Healthcare Process Management" (2012-2014)
- Scientific coordinator for the regional project POR "PRO.MANA" (2012-2014)
- Scientific coordinator for the regional project POR "COLLABORADI" (2012-2014)
- Scientific coordinator for the regional project POR "Cloud4Business" (2012-2014)
- Local coordinator for the University of Catania Research unit of the Miur project PRIN2008 "Cloud@Home: a new enhanced computing paradigm" (2010-2012).
- Project PON PI2S2: Porject to extend and improve the Sicilian GRID computing infrastructure (Coordinator Prof. R.Barbera (INFN)).
- Strategic Projects CNR (L. 449/97), IS-Manet: Software infrastructure for ad-hoc networks (National coordinator: prof. Carlo Ghezzi) (2003-2007)
- National PRIN Project: MUSIQUE: Infrastructure for QoS in Web Multimedia Services with Heterogeneous Access (National coordinator: prof. A. Corradi) (2000-2002)
- IST FP5 European project: E-Arbitration-T (Electronic Arbitration Tribunal: an Alternative Dispute Resolution for SMEs / IST-2000-25464) (2001-2003)
- IST FP5 European project: VESPER (Virtual Home Environment for Service Personalization and Roaming Users / IST-1999-10825) (2000-2002)
- National PRIN Project: MOSAICO (Design Methodologies and Tools of High Performance Systems for Distributed Applications) (1998-2000)
- German-Italian cooperation on "Quality of Service in communication system", Vigoni Project (1996-1998)
- Austrian-Italian cooperation on "Network management through Intelligent agents" (1997-1998)

Program committee membership and reviewing activities
He has been member of the program committee of the following international conferences and workshop:
– ISCC, IEEE International Symposium on Computers and Communications, (beginning from 2002)
– CLOSER, International Conference on Cloud Computing and Service Science (beginning from 2011)
– KEOD, International Conference on Knowledge Engineering and Ontology Development (beginning from 2010)
– SSCC, International Symposium on Security in Computing and Communications
– ICPADS, International Conference on Parallel and Distributed Systems, Track on Web and Peer-to-peer Systems (2007- 2012)
– P2P, IEEE International Conference on Peer-To-Peer Computing, (2004-2008)
– CISIS, International Conference on Complex, Intelligent, and Software Intensive Systems (Track on Semantic Web, Web Services and Data Integration) (2011-2012)
– PPN, Workshop on Peer to Peer Networks (2007)
– MPDMST, International Workshop on Mobile P2P Data Management, Security and Trust (2007,2008)
– ComP2P, International Workshop on Computational P2P Networks: Theory and Practice (2008)
– P2P-NVE, International Workshop on Peer-to-Peer Networked Virtual Environments (2009 - 2011)

- ISPS, International Symposium on Programming and Systems (2009)
- AP2PS, International Conference on Advances in P2P Systems (2010-2011)
- SCOPIN International Workshop on Scalable Optimisation in Intelligent Networking (2011)
- CLIoT, International Workshop on Cloud and Internet of Things (beginning from 2013)
- BDAM, Workshop on Big Data: Applications and Methods (2014)

He has been a reviewer for the following international journals:
- IEEE Transaction on Mobile Computing
- IEEE Network
- International Journal of Computers and Applications, ACTA Press
- Pervasive and Mobile Computing, Elsevier
- Journal of Systems and Software, Elsevier
- International Journal of Applied Intelligence, Springer
- Computer Networks Journal, Elsevier

Publications
- For a complete and updated publications list please visit the web page:
  www.dieei.unict.it/docenti/orazio.tomarchio