CURRICULUM VITAE

INFORMAZIONI PERSONALI

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Nazionalità	italiana
Data di nascita	24-08-1965

ESPERIENZA LAVORATIVA

• Date (da – a)	Dal 1995 al 1998 Ricercatore Universitario presso Universita' degli studi di Catania
	Dal 1998 al 2002 Professore Associato presso Università degli studi di Messina
	Dal 2002 Professore Ordinario di Sistemi di Elaborazione delle Informazioni (ING-INF/05) presso l'Universita' degli studi di Messina
• Tipo di impiego	Docente di sistemi di elaborazione delle informazioni
• Principali mansioni e responsabilità	Didattica, ricerca, coordinamento gruppo di ricerca ad oggi costituito da 2 Prof. Associati, 2 Ricercatori, 3 Assegnisti, 4 PhD, 5 Contrattisti

ISTRUZIONE E FORMAZIONE

• Date (da – a)	1988 Universita' di Catania - Laurea in Ingegneria Elettrotecnica
	1992 Universita' di Palermo – Dottore di ricerca in Ingegneria elettronica ed Informatica
	1994-1995 – Visiting Professor presso la Duke University, North Carolina (USA)
• Nome e tipo di istituto di istruzione o formazione	
• Principali materie / abilità professionali oggetto dello studio	Reti di calcolatori, sistemi distribuiti, Ingegneria del software, valutazione delle prestazioni
• Qualifica conseguita	
• Livello nella classificazione nazionale (se pertinente)	

CAPACITÀ E COMPETENZE PERSONALI

Acquisite nel corso della vita e della carriera ma non necessariamente riconosciute da certificati e diplomi ufficiali.

Revisore per la Comunità europea di progetti per il 4, 5, 6 e 7 programma quadro

Valutatore progetti PRIN

Responsabile di numerosi progetti di ricerca sia a carattere regionale che nazionale

Responsabile di unità di ricerca in progetti sia nazionali che internazionali

Consulente informatico per aziende e pubblica amministrazione centrale e locale

Classificato in 4° posizione nella classifica mondiale sulla Individual productivity nel computing come indicato in Leonard Heilig and Stefan Voß, "A Scientometric Analysis of Literature", IEEE Transactions on Cloud Computing, DOI 10.1109/TCC.2014.2321168.

PRIMA LINGUA	**Italiano**

ALTRE LINGUE	**Inglese**
• Capacità di lettura	Ottima
• Capacità di scrittura	Ottima
• Capacità di espressione orale	Ottima

CAPACITÀ E COMPETENZE
RELAZIONALI

Vivere e lavorare con altre persone, in ambiente multiculturale, occupando posti in cui la comunicazione è importante e in situazioni in cui è essenziale lavorare in squadra (ad es. cultura e sport), ecc.

Attivita' di docenza e di coordinamento gruppi di ricerca

Autore di oltre 200 pubblicazioni a carattere nazionale ed internazionale.

Relatore di numerose tesi di laurea e tutor di oltre 20 studenti di dottorato.

Di seguito, alcuni dei comitati scientifici e redazionali di cui ha fatto parte:

- *6th International Workshop on Petri Nets and Performance Models (PNPM'95), Durham, North Carolina, Oct 3-6, 1995 (Local arrangement and Financial Chair).*
- *10th European Simulation Multiconference, Budapest, Hungary, June 2-6, 1996.*
- *Evaluation Conference on Inter University Cooperation in Europe in the Field of Computing, Dublin, Ireland, July 1-3, 1996.*
- *5th Int. Conference on Fuzzy Theory and Technology, Durham (USA), March 1-5, 1997.*
- *3th Int. Conference on Computer Science and Informatics, Durham (USA), March 1-5, 1997.*
- *11th European Simulation Multiconference, Instanbul, Turkey, June 1-4, 1997.*
- *5th Annual Conference on the Teaching of Computing, Dublin, Ireland, Aug 26-29, 1997 (Steering committee member).*
- *4th International Conference on Analytical and Numerical Modeling Techniques with application to QoS Modeling, Singapore, Sept. 1-4, 1997.*
- *5th International Conference on Analytical and Numerial Modeling Techniques, Manchester, UK, June 16-19, 1998.*
- *European Simulation Symposium (ESS'99) – Analytical and Numerical Techniques track, Erlangen, Germany, October 24-27, 1999.*
- *IEEE Symposium on Computers and Communications (ISCC2000), Antibe – St. Juan les Pins, 4-6 July 2000.*
- *IEEE Symposium on Computers and Communications (ISCC2001), Ammameth – Tunisia, 2-5 July 2001.*
- *IEEE Petri Nets Performance Models (PNPM01), Aachen – Germania, 11-14 Settembre 2001.*
- *IEEE Symposium on Computers and Communications (ISCC2002), Taormina – Italy, 2-5 July 2002 (Local organizer).*
- *IEEE Symposium on Computers and Communications (ISCC2004), Alessandria d'Egitto – Italy, 1-4 July 2004 (Technical Chair).*
- *IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WOWMOM 2005), Taormina – (Italy) 13-16 July 2005 (Local organization Chair).*
- *International Conference on High Performance Computing and Communications (HPCC05), Sorrento – (Italy) 21-23 September 2005 (program vice chair)*
- *IEEE 20th International Conference on Advanced Information, Networking and Applications (AINA2006), Vienna, 18-20 April 2006.*
- *4th International Conference on Ubiquitous Intelligence and Computing (UIC-07), Hong Kong, July 11-13, 2007 (program co-chair).*
- *13th IEEE Workshop on Dependable Parallel, Distributed and Network-Centric Systems (DPDNS'08), April 14-18, 2008, Miami, Florida (USA) (program chair).*
- *9th IEEEIEEE International Symposium on Network Computing and Applications (NCA10), 15 – 17 July 2010, Cambridge, MA (USA).*
- *Workshop di Informatica Quantitiativa (InfQ),27-29 Giugno 2011, Lipari (Italy) – (General Chair)*
- *IEEE Symposium on Computers and Communications (ISCC2011), Corfu' – Greece, 1-4 July 2011.*
- *IEEE ServiceWave 2011 – Cloud Computing Track, Poznan (Polonia), 26-28 Oct 2011.*

- IEEE NCA 2012 – Network Computing and Applications, Cambridge (USA), 23-25 Aug, 2012.
- 13th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing May 13-16, 2012, Ottawa, Canada.

- 17th IEEE Workshop on Dependable Parallel, Distributed and Network-Centric Systems, May 21-25, 2012, Shanghai, China.
- International Workshop on Extending Seamlessly to the Internet of Things - esIoT 2012 – July 4-6, Palermo (Italy).
- 12th IEEE International Symposium on Network Computing and Applications (IEEE NCA13), 22-24 August 2013, Boston (USA)
- 1th International Workshop on Sensors and Smart Cities (SSC 2014), 5 November 2014, Hong Kong (General Chair)
- 4th IEEE Symposium on Network Cloud Computing and Applications (NCCA2015), June 11-12, Munich (PC-Co-Chair).
- IEEE International Conference on Communications (ICC 2016) SAC Internet of Things, 23 May 2016, Kuala Lumpur, Malesia.
- 10th EAI International Conference on Performance Evaluation Methodologies and Tools (Valuetools 2016), October 2016, Taormina Italy (general Chair).
- Ad-Hoc, Mobile and Wireless Networks: ADHOC-NOW 2017, June 2017, Taormina Italy (general Chair).

Guest editor of the International Journal on Performance Engineering special issue on "Performance and Dependability Modeling of Dynamic Systems" (2011).

Guest editor special issue of ACM SIGMETRICS Performance Evaluation (2011).

Guest Editor Special Issue of the EURASIP Journal on Wireless Communications and Networking on "Internet of Things: Convergence of Sensing, Networking, Computing and Web Technologies".

Member of the editorial board of the "Journal of Cloud Computing Advances, Systems and Applications" (JoCCASA).

Member of the advisory board of the International Journal on Security in Computer Networks and Distributed Systems (IJSCNDS) - IGI Global.

Guest editor IEEE Transactions on Dependable and Secure Computing, special issue on Cloud computing Assessment: metrics, algorithms, policies, models, and evaluation techniques, 2012.

Member of the editorial board of the Journal of Parallel & Cloud Computing (PCC), published by THE WORLD ACADEMIC PUBLISHING CO., LIMITED.

Member of the Editorial Board of The Scientific World Journal, Hindawi Publishing Corporation.

Member of the IEEE Computer Society's Special Technical Community on Sustainable Computing (STC-SC)

Member of the Editorial Board of the International Journal of Distributed Sensor Networks (IJDSN), Hindawi Publishing Corporation.

Guest Editor of the Hindawi Journal Sensors, special issue on "Sensors and Smart cities" (2015).

General Chair Valuetools 2016, Taormina , Italy.

Ranked as 4th in the world ranking on Individual productivity related to cloud computing, as reported in Leonard Heilig and Stefan Voß, "A Scientometric Analysis of Cloud Computing Literature", IEEE Transactions on Cloud Computing, DOI 10.1109/TCC.2014.2321168

CAPACITÀ E COMPETENZE ORGANIZZATIVE

Ad es. coordinamento e amministrazione di persone, progetti, bilanci; sul posto di lavoro, in attività di volontariato (ad es. cultura e sport), a casa, ecc.

Delegato del Rettore dell'Universita' di Messina per l'Informatizzazione dell'Ateneo nel periodo 2004-2008.

Coordinatore del corso di studi in Ingegneria Informatica (2000 -)

Coordinatore del corso di dottorato di ricerca in Tecnologie avanzate per l'ingegneria dell'informazione (2000 -)

Responsabile ERASMUS per la Facoltà di Ingegneria di Messina (1998 -)

Vincitore del CISCO ICT Innovation Award 2005 per la realizzazione della rete integrata

voce/dati della nuova facoltà di Ingegneria dell'università di Messina

Responsabile scientifico Inquadro srl, spin-off Università di Messina

Finalista vincitore del Premio ForumPA 2008 "Protagonista dell'innovazione"

Responsabile di progetti di ricerca Nazionali ed internazionali (di seguito quelli degli ultimi 10 anni di attività):

- Progetto CNR-Agenzia 2000"Metodologie di progetto di server multimediali ad alte prestazioni accessibili in Internet" (2001-2002) (coordinatore nazionale)
- Progetto con la ST-Microelectronics su "Multimedia Messaging Systems" (2001-2002)
- Progetto FIRB RBNE019N8N "Valutazione delle prestazioni dei sistemi complessi: tecniche, metodologie e strumenti" (2002-2005)
- Progetto FIRB "Middleware per servizi evoluti su sistemi distribuiti *wired-wireless* di grandi dimensioni" (2002-2005)
- Progetto CNR "Infrastrutture software per reti ad hoc orientate ad ambienti difficili" (2002-2005)
- Progetto ISID "Incremento della Sicurezza nei Sistemi Informativi Aziendali" (2002-2005)
- Progetto 297 "Piattaforma mobile a basso consumo per future applicazioni multimediali" da 1.5M€ (2005-2007).
- Progetto TRIGRID "Trinacria GRID Virtual Laboratory" da 3.7M€ (2005-2008), che intende sviluppare una piattaforma ad alta velocità all'interno della Regione Sicilia per lo sviluppo di nuove soluzioni di calcolo basate sul GRID computing.
- Progetto "Ponte digitale" da 4M€ (2005-2007), per la realizzazione di un centro di competenza sulla info-mobilità.
- Progetto PI2S2 "Progetto per l'Implementazione e lo Sviluppo di una e-Infrastruttura in Sicilia basata sul paradigma della grid" da 11M€ (2005-2008).
- Progetto FP7 RESERVOIR da 14 M€, che intende studiare e sviluppare tecniche di virtualizzazione in ambiente Cloud (2009-2011)
- Progetto SET "Sistemi di trasporto eco-efficienti" da 4M€ finanziato dal Ministero dell'Economia sullo studio e realizzazione di un sistema di localizzazione veicolare per il trasporto pubblico (2008-2009).
- Progetto PRIN08 Cloud@Home finanziato dal MIUR sullo studio di sistemi di calcolo basati su una combinazione di Cloud e volunteer computing (2010-2011).
- Progetto FP7 VISION da 15 M€, che intende sviluppare nuove tecniche di gestione dei dati in ambiente Cloud (2010-2012).
- Progetto FP7 COST Euro-TM:Transactional Memories: Foundations, Algorithms, Tools, and Applications (2011-2014) – (Rappresentante italiano nel Management Committee)
- Project POR SIMONE: Cloud-based system for energy monitoring and management (2011-2013).
- Project FP7 CLOUDWave 10 M€, that intends to study how to adapt applications to cloud environments (2013-2016).
- Project PON01 SIGMA 11 M€ on the use of cloud computing to manage multirisk situations (2013-2015)
- Project FP7 "FrontierCities - European Cities driving the Future Internet" (2014-2016)
- Progetto Europeo Horizon2020 Beacon: Enabling Federated Cloud Networking

Vice Presidente del Consorzio InterUniversitario COMETA per il calcolo ad alte prestazioni

Membro di IRIANC: International Research Institute on Autonomic Network Computing

Componente della general assembly e del comitato tecnico dei progetti RESERVOIR e Vision-Cloud, finanziati dalla Commissione europea nell'ambito del settimo Programma quadro per lo studio e l'applicazione di nuovi servizi Cloud.

Direttore del laboratorio Wireless ed RFID dell'Università di Messina (in collaborazione con Oracle ed Intel)

Direttore del Center on Information Technology and their Applications (CIA) dell'Università di Messina (2006-2009)

CAPACITÀ E COMPETENZE
TECNICHE
Con computer, attrezzature specifiche, macchinari, ecc.

Programmazione, gestione sistemi di calcolo, reti di calcolatori, sistemi wireless, RFID, GRID e Cloud computing

Ha contribuito a realizzare i seguenti strumenti software:

- WebSPN: tool per lo studio delle reti di Petri non Markoviane che permette la soluzione analitica di modelli estremamente complessi

- MAP: piattaforma ad agenti mobili basata su Java e su meccanismi di sicurezza avanzati
- DAVID: server per video on demand basato su una architettura totalmente distribuita in grado di garantire prestazioni elevate e costi contenuti
- ArgoPerformance: tool grafico per l'analisi delle prestazione del software basato su UML
- GridVideo: una applicazione basata su Grid per offrire un server di video on demand virtuale.
- *WHEREX:* middleware per la realizzazione e gestione dell'Internet of Things (in seguito trasformato in prodotto commerciale da Inquadro srl)
- CLEVER*:* middleware per la realizzazione e gestione di infrastrutture di Cloud computing

L'attivita' scientifica e' rivolta principalmente allo studio dei sistemi di calcolo distribuiti e paralleli con particolare attenzione verso la modellazione delle prestazioni e dell'affidabilita', il networking, le architetture orientate ai servizi. Applicazioni specifiche sono state sviluppate sul network management e sulla gestione della qualita' del servizio. Si e' occupato di tematiche legate alla gestione della mobilità dell'utente ed alla sicurezza sia nelle reti wireless che ad hoc. Particolare enfasi viene attualmente dedicata allo studio dei sistemi di calcolo Grid e sul Cloud computing ed alla adozione di tali paradigmi per fornire servizi multimediali avanzati all'utente finale, avendo particolare riguardo alla realizzazione di servizi per le PMI e la Pubblica Amministrazione. Interesse specifico riguarda le tecnologie RFID e le loro applicazioni. L'attivita' di ricerca riguarda le seguenti aree tematiche:
- Tecniche di modellazione e Valutazione delle Prestazioni
- Affidabilita' e tolleranza ai guasti
- Sistemi Multimediali
- Sistemi wireless ed RFID
- GRID e Cloud Computing

CAPACITÀ E COMPETENZE ARTISTICHE
Musica, scrittura, disegno ecc.

ALTRE CAPACITÀ E COMPETENZE
Competenze non precedentemente indicate.

PATENTE O PATENTI

ULTERIORI INFORMAZIONI

ALLEGATI

Elenco delle principali pubblicazioni

Il sottoscritto è a conoscenza che, ai sensi dell'art. 26 della legge 15/68, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali. Inoltre, il sottoscritto autorizza al trattamento dei dati personali, secondo quanto previsto dalla Legge 675/96 del 31 dicembre 1996.

Messina, 29 Luglio 2015

NOME E COGNOME (FIRMA)

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Main scientific publications

- V.Catania, L.Milazzo, A.Puliafito, and L.Vita, "Enhancing reliability in an industrial LAN: design and performability evaluation," IEEE Transactions on Industrial Electronics, vol. 37, pp. 433-441, Dec. 1990.
- V.Catania, A.Puliafito, and L.Vita, "A modular-network architecture for performance enhancement in extended Local Area Network," IEEE Transactions on Reliability, vol. 42, pp. 50-62, Mar. 1993.
- V.Catania, A.Puliafito, and L.Vita, "A model for performance evaluation of gracefully degrading systems," The Computer Journal, vol. 36, no. 2, pp. 177-185,1993.
- V.Catania, A.Puliafito, and L.Vita, "High speed data service in distributed systems based on SMDS,"Computer Communications, vol. 16, pp. 394-402, July 1993.
- V.Catania, A.Puliafito, and L.Vita, "A modelling framework to evaluate performability parameters in gracefully degrading system," IEEE Transactions on Industrial Electronics, vol. 40, pp. 461-472, Oct. 1993.
- V.Catania, A.L. Corte, A.Puliafito, and L.Vita, ``A simulation study of DQDB metropolitan area network," Simulation, vol.62, pp.158-171, Mar. 1994.
- V.Catania, S.Cavalieri, A.Puliafito, and L.Vita, ``A parallel VLSI approach to implement network protocols," Journal of Microcomputer Applications, vol.17, pp.147-170, Apr. 1994.
- S.Casale, V.Catania, A.Puliafito, and L.Vita, ``A remote bridging technique to increase performability in distributed systems," IEEE Transactions on Industrial Electronics, vol.41, Apr. 1994.
- V.Catania, A.L. Corte, A.Puliafito, and L.Vita, ``A simulation of DQDB behaviour with data and multimedia traffic," Transactions of the Society for Computer Simulation, vol.11, Oct. 1994.
- A.Puliafito, ``Revision of RAID high-performance, reliable secondary storage bv P.M. Chen et al.," ACM Computing Review, vol.36, p.252, May 1995.
- V.Catania, A.Puliafito, S.Riccobene, and L.Vita, ``Design and performance analysis of a disk array system," IEEE Transactions on Computers, vol.44, Oct. 1995.
- R. A. Sanher, K. S. Trivedi, A. Puliafito, Performance and Reliability Analisys of Computer Systems. KLUWER ACADEMIC PUBLISHERS, 1995.
- V.Catania, A.Puliafito, G.Ascia, and L.Vita, ``A reconfigurable parallel architecture for a fuzzy processor," Information Sciences, vol.88, pp.299-315, Jan. 1996.
- V.Catania, I.L. Paglia, A.Puliafito, and L.Vita, ``A real time data service in CIM environment," International Journal of Computer Simulation, vol.6, no.2, pp.237-268, 1996.
- V. Catania, A. Puliafito, S. Riccobene, L. Vita, *Design and Performance Analysis of a Disk Array System*, IEEE TRANSACTIONS ON COMPUTERS, vol. 44, p. 1236 - 1247,1995. ISSN: 0018-9340.
- V. Catania, A. Puliafito, S. Riccobene, L. Vita, *Monitoring performance in distributed systems*. Computer Communications, vol. 19, p. 788 - 803, 1996.
- V. Catania, A. Puliafito, S. Riccobene, L. Vita, An *I/O subsystem supporting mass storage functions in parallel systems,* COMPUTER STANDARDS & INTERFACES, vol. 18; p. 117 – 138, 1996.
- F. Bergadano, A. Giallombardo, A. Puliafito, G. Ruffo, L. Vita, *Security agents for information retrieval in distributed systems.* PARALLEL COMPUTING, vol. 22; p. 1719 - 1731, 1997.
- A. Puliafito, O. Tomarchio, S.S. Trivedi L. Vita, *Increasing application accessibility through Java,* IEEE INTERNET COMPUTING, vol. 2; p. 70-77, ISSN: 1089-7801, 1998.
- A. Puliafito, M. Scarpa, K.S: Trivedi, *Petri nets with k simultaneously enabled generally distributed timed Transitions*. PERFORMANCE EVALUATION, vol. 1; p. 32, 1998.
- H. De Meer, A. Puliafito, J.P. Ritcher, O. Tomarchio, *Tunnel Agents for enhanced Internet QoS*, IEEE CONCURRENCY, vol. 6(2), ISSN: 1092-3063, 1998.
- I. Curcio, A. Puliafito, S. Riccobene, L. Vita, Design *and valuation of a Multimedia Storage Server for Mixed Traffic*, ACM MULTIMEDIA SYSTEMS, vol. vol.6, n.6, 1998.
- R. Fricks, A. Puliafito, K.S. Trivedi, *Performance analysis of distributed real-time databases*, PERFORMANCE EVALUATION, vol. 35; p. 145 – 169, 1999.
- Puliafito, O. Tomarchio, L. Vita, ``MAP: Design and Implementation of a Mobile Agents Platform", in *Journal of Systems Architecture.*, vol.46, n.2, pp.145-162, January 2000.
- Bobbio, A. Puliafito, M. Telek, ``A Modeling Framework to Implement Preemption Policies in non-Markovian SPNs", in *Transactions on Software Engineering.*, vol.26, n.1, January 2000.
- Puliafito, and O. Tomarchio, ``Using Mobile Agents to Implement Flexible Network Management Strategies", *Computer Communications Journal*, vol. 23, pp. 708-719, January 2000.

- de Meer, A. La Corte, A. Puliafito, and O. Tomarchio, ``Programmable Agents for Flexible Management in IP Networks'', *IEEE Journal on Selected Areas in Communications*, vol.18, n.2, pp.256-267, February 2000.
- S. Palazzo, A. Puliafito, M. Scarpa, ``Design and Evaluation of Replicated Databases for Mobile Systems'', *Wireless Networks*, vol.6, pp. 131-144, July 2000.
- Puliafito, S. Riccobene, M. Scarpa, ``Which paradigm should I use?: An analytical comparison of the client-server, remote evaluation and mobile agents paradigms'', in *Concurrency and Computation: Practice & Experience*, vol. 13, pp. 71-94, 2001.
- La Corte, A. Puliafito, O. Tomarchio, "QoS Management in Programmable Networks Through Mobile Agents", in *Microprocessors and Microsystems*, vol. 25/2, pp. 115-120, Maggio 2001.
- S. Papavassiliou, A. Puliafito, O. Tomarchio, Jian Ye, "Mobile Agent Based Approach for Efficient Network management and Resource Allocation: Framework and Applications", in *IEEE Journal on Selected Areas in Communications*", Maggio 2002.
- D. Bruneo, M. Villari, A. Zaia, A. Puliafito, "QoS Management for MPEG4 Flows in Wireless Environment", in *Microprocessors and Microsystems Journal*, vol.27, issue 2, pp.85-92, Marzo 2003.
- Mancuso, M. Guarnera, A. Puliafito, M. Villari, "Digital still cameras and mobile agents: How to create a distributed service for image processing", in *ST Journal,* issue n. 0, pp. 38-51, Luglio 2003.
- V. Getov, Antonio Puliafito, Omer F. Rana, "Computational Grid and Web Services: Concepts, Functionalities, and Comparisons", in proc. *IEEE Int. Conf. on Computational Cybernetics*, Aug. 30 – Sept. 1, 2004 - Vienna, Austria
- M. Scarpa, M. Villari, A. Zaia, A. Puliafito, "A Modeling Technique for the Performance Analysis of Web Searching Application", in *IEEE Transaction on Knowledge & Data Engineering*, vol. 16, no. 11, November, 2004, pp. 1339-1356.
- D. Bruneo, L. Paladina, M. Paone, A. Puliafito, Call Admission Control in Hierarchical Mobile Networks. *IEEE Symposium on Computers and Communications (ISCC05).* 27-30 Giugno 2005, (pp. 780-785). ISBN/ISSN: 0-7695-2373-0/1530-1346.
- Zaia, D. Bruneo, A. Puliafito, "Using Grid Paradigm for Multimedia Applications", in *Concurrency & Computation: Practice & Experience.* 2006, ISSN: 1532-0626.
- D. Bruneo, A. Zaia, A. Puliafito. Agent-based middleware to access Multimedia Services in a Grid Environment. *Multiagent and Grid Systems*. vol. 1, pp. 41-59, 2005, ISSN: 1574-1702, 2005.
- M.Fazio, M. Villari and A. Puliafito. IP Address Autoconfiguration in Ad Hoc Networks: Design, implementation and Measurements, *Computer Networks Journal*, Elsevier Science Publisher, 2006, ISSN: 1389-1286.
- D. Bruneo, A. Puliafito, M. Scarpa. Mobile Middleware: Definition and Motivations. In: A. Corradi. Mobile Middleware. LONDON: CRC PRESS (UNITED KINGDOM, 2006.
- M.Fazio, M. Villari and A. Puliafito AIPAC: Automatic IP Address Configuration in Mobile Ad Hoc Networks. *Computer Communications Journal*, Elsevier, 2006, vol. 29, pp. 1189-1200 ISSN: 0140-3664.
- S. Distefano, A. Puliafito, M. Scarpa., A Grid-based algorithm for the solution of non-Markovian stochastic Petri nets. *CONCURRENCY AND COMPUTATION.* vol. 18, pp. 1-18 ISSN: 1532-0626, 2006.
- D. Bruneo, L. Paladina, M. Paone, A.Puliafito, Signalling in Cellular IP Regions with QoS Support. *JOURNAL OF UBIQUITOUS COMPUTING AND INTELLIGENCE.* vol. 1, pp. 59-72 ISSN: 1555-132, 2007.
- Ragusa, F. Longo, A. Puliafito - *On The Assessment of the S-sicilia Infrastructure: A Grid-based Business System.* Lecture Notes in Computer Science, p. 113-124, 2008.
- Bruneo, M. Scarpa, A. Puliafito (2008). A GSPN Model to analyze performance parameters in gLite Grids. *17th IEEE International Workshop on Emerging Technologies for Next Generation GRID (ETNGRID '08)* IEEE CS press, Roma, 23-25 Maggio –Best Paper Award.
- V. D. Cunsolo, S. Distefano, A. Puliafito, M. Scarpa, *Cloud@Home: Bridging the Gap between Volunteer and Cloud Computing.* Lecture Notes in Computer Science, vol. 5754/2009, p. 423-432, 2009.
- L. Paladina, A. Biundo, M. Scarpa, A. Puliafito - *Artificial Intelligence And Synchronization In Wireless Sensor Networks.* Published on Journal of Networks (JNW) num.6, vol.4, pp.10, august 2009.
- F. Tusa, M. Villari, A. Puliafito - *Credential Management Enforcement And Secure Data Storage In Glite.* Published on International Journal of Distributed Systems and Technologies (IJDST), IGI Publishing edition, num.1, 2009.
- M. Scarpa, A. Puliafito - *Developing High Quality Software.* Published on Special issue of International Journal of Parallel, Emergent and Distributed Systems, Taylor & Francis Publisher edition, num.2, vol.24, pp.171-187, April 2009.
- Bruneo, G. Iellamo, G. Minutoli, A. Puliafito - *Gridvideo: A Practical Example Of Non-scientific Application On The Grid.* Published on IEEE Transactions on Knowledge and Data Engineering vol.21, pp.666-680, May 2009.

- M. Fazio, M. Villari, A. Puliafito - *Improvement Of Simulative Analysis In Ad Hoc Networks*. Published on International Journal of Business Data Communications and Networking (IJBDCN), IGI Publishing , 1548-0631 edition, num.1, vol.5, pp.40-59, January 2009.
- Bruneo, A. Puliafito, M. Scarpa, A. Zaia - *Mobile Middleware In Enterprise Systems*. Published on Handbook of Entreprise Integration Mostafa Hashem Sherif , 3rd edition, Auerbach Publications chap.6, New York - 10016 - U.S.A., November 2009.
- S. Distefano, A. Puliafito - *Reliability and Availability Analysis of Dependent-Dynamic Systems with DRB,*. Reliability Engineering & System Safety, vol. 94, Issue 9; p. 1381-1393, 2009.
- Minutoli, M. Paone, M. Fazio, A. Puliafito - *Visualgrid: Enabling Runtime Applications Monitoring In Grid Environments*. Published on International Journal of Communication Networks and Distributed Systems , Inderscience Publishers edition, num.3, vol.5, pp.308-330, August 2010.
- S. Distefano, M. Scarpa, A. Puliafito - *Open And Interoperable Clouds: The Cloud@home Way*. Published on Cloud Computing: Principles, Systems and Applications Lee Gillam-Nick Antonopoulos Springer Verlag 2010.
- S. Distefano, M. Scarpa, A. Puliafito - *Implementation Of The Software Performance Engineering Development Process*. Published on Journal of Software, num.8, vol.5, pp.872â€"882, 2010.
- S. Distefano, A. Puliafito, M. Scarpa - *Gs3: A Grid Storage System With Security Features*. Published on Journal of Grid Computing num.3, vol.8, pp.391-418, 2010.
- S. Distefano, A. Puliafito, M. Scarpa - *Design And Modeling In the Software Performance Engineering Development Process*. Published on Journal of Circuits, Systems and Computers, World Scientific edition, num.1, vol.19, pp.307-323, February 2010.
- Tusa, M. Villari, A. Puliafito - *Credential Management Enforcement And Secure Data Storage In Glite*. Published on International Journal of Distributed Systems and Technologies (IJDST) , IGI Publishing edition, num.1, January 2010. ISSN 1947-353-2.
- S. Distefano, A. Puliafito, M. Scarpa - *Cloud@home: A New Enhanced Computing Paradigm*. Published on Handbook of Cloud Computing Borko Furht Springer June 2010.
- S. Distefano, A. Puliafito - *A Taxonomic Specification Of Cloud@home*. Published on Advanced Intelligent Computing Theories and Applications. With Aspects of Artificial Intelligence Springer Berlin/Heidelberg LNCS vol.6216/2010, pp.527-534, 2010.
- D. Bruneo, M. Scarpa, A. Puliafito - *Performance evaluation of gLite Grids through GSPNs*. IEEE Transactions on Parallel and distributed Systems, vol. 21, p. 1611-1625, ISSN: 1045-9219, 2010.
- S. Distefano, M. Scarpa, A. Puliafito - *A Representation Methodology For Performance Specifications In Uml Domain.*, in Computers in Human Behavior 2011, Elsevier publisher.
- Celesti, M. Villari, A. Puliafito, F. Longo - *An Approach For Security, Performance, And Generic Data Retrieval In Reservoir Clouds* in the International Journal of Information Assurance and Security (JIAS) , MIR Labs, Dynamic Publishers Inc., USA edition, vol.6, 2011.
- V. Karyotis, M. Fazio, S. Papavassiliou, A. Puliafito - *Comparison Of Efficient Random Walk Strategies For Wireless Multi-hop Networks*. to appear in Computer Communications, Elsevier 2011.
- M. Fazio, M. Villari, A. Puliafito - *Fourier-based Assessment Strategies For Simulated Ad Hoc Networks*. Published on Recent Advances in Broadband Integrated Network Operations and Services Management, IGI Publishing 2011.
- D. Cunsolo, S. Distefano, A. Puliafito, M. Scarpa - *Information Security in Data and Storage Grids through GS3*, COMPUTATIONAL AND DATA GRIDS: Principles, Designs, and Applications, ed. Nikolaos P. Preve, IGI Global, September 2011.
- Celesti, F. Tusa, M. Villari, A. Puliafito - *Intercloud: The Future Of Cloud Computing. Concepts And Advantages*. in "Cloud Computing: Methodology, Systems, and Applications" Book , CRC, Taylor & Francis group 2011.
- D. Bruneo, F. Longo, M. Scarpa, A. Puliafito - *Performance analysis of job dissemination techniques in Grid systems*. Published on Concurrency and Computation: Practice and Experience , John Wiley & Sons, Ltd. edition, num.11, vol.23, pp.1213 - 1235, 2011.
- S. Distefano, A. Puliafito, T. Kishor - *Performance and Dependability Modeling of Dynamic Systems,*. Published on International Journal of Performability Engineering RAMS Consultant num.5, vol.7, pp.402-404, 2011.
- M. Fazio, M. Villari, A. Puliafito - Fourier-based assessment strategies for simulated ad hoc networks. Published on Recent Advances in Broadband Integrated Network Operations and Services Management, IGI Publishing 2011.
- S. Distefano, A. Puliafito, M. Scarpa - From UML to Petri Nets: the PCM-based Methodology. Published on IEEE Transaction on Software Engineering , IEEE Computer Society edition, vol.37, pp.65-79, January 2011.

- A. Celesti, F. Tusa, M. Villari, A. Puliafito - Federation Establishment Between CLEVER Clouds Through a SAML SSO Authentication Profile. Published on International JOURNAL on Advances in Internet Technology , IARIA edition, num.12, vol.4, pp.14-27, 2011.
- S. Distefano, A. Puliafito - Cloud@Home: Goals, Challenges and Benefits of a Volunteer Cloud. Published on HPC in the Cloud March 2011.
- V. Karyotis, M. Fazio, S. Papavassiliou, A. Puliafito - Comparison of Efficient Random Walk Strategies for Wireless Multi-hop Networks. Published on Computer Communications, Elsevier num.10, vol.34, July 2011
- A. Celesti, M. Villari, A. Puliafito - *An XRI Naming System for Dynamic and Federated Clouds: a Performance Analysis*. Published on International JOURNAL of Internet Services and Applications (JISA), Special Issue on Cloud Computing , Springer edition, num.3, vol.2, pp.191-205, 2011.
- A. Celesti, M. Villari, A. Puliafito, F. Longo - *An Approach for Security, Performance, and Generic Data Retrieval in RESERVOIR Clouds* . Published on the International JOURNAL of Information Assurance and Security (JIAS) , MIR Labs, Dynamic Publishers Inc., USA edition, num.4, vol.6, pp.262-272, April 2011.
- A. Celesti, F. Tusa, M. Villari, A. Puliafito - An Approach for the Composition of Generic Cloud-Based Services Using XRI-Based APIs for Enabling New E-Business. Published on (accepted in) International JOURNAL of E-Business Development (IJED) 2012. Url: http://www.ij-ed.org/. Note: ISSN Print 2225-7411 ISSN Online 2226-7336.
- F. Tusa, M. Paone, A. Celesti, M. Villari - An Innovative Open Source Middleware for Managing Virtual Resources in Federated Clouds. Published in the BOOK of Open Source Cloud Computing Systems: Practices and Paradigms IGI Global chap.4, pp.61-89, 2012.
- A. Celesti, F. Tusa, M. Villari, A. Puliafito - An XDI-Based Approach to Represent and Exchange Data Between Federated Clouds. Published in International JOURNAL on Advances in Internet Technology num.1-2, vol.5, 2012.
- D. Bruneo, S. Distefano, F. Longo, A. Puliafito, M. Scarpa - Evaluating wireless sensor node longevity through Markovian techniques. Published on Computer Networks , Elsevier edition, num.2, vol.56, pp.521 - 532, 2012.
- F. Tusa, A. Celesti, M. Villari, A. Puliafito - Federation Between CLEVER Clouds Through SASL/Shibboleth Authentication. in PROCEEDINGS of the 4th International Conference on Evolving Internet (INTERNET 2012) IARIA 2012.
- A. Celesti, F. Tusa, M. Villari, A. Puliafito - How to Federate VISION Clouds Through SAML/Shibboleth Authentication. Published in International JOURNAL of Lecture Notes in Computer Science, Springer 2012.
- M. Fazio, M. Paone, A. Puliafito, M. Villari - HSCLOUD: Cloud Architecture for Supporting Homeland Security. Published on International Journal on Smart Sensing and Intelligent Systems num.1, vol.5, pp.246-276, March 2012. Note: ISSN 1178-5608.
- M. Fazio, M. Paone, A. Puliafito, M. Villari - Huge Amount of Heterogeneous Sensed Data Needs the Cloud. Published on International Multi-Conference on Systems, Signals and Devices (IEEE SSD 2012) Chemnitz, Germany, 20-23 March 2012.
- A. Celesti, F. Tusa, M. Villari, A. Puliafito - Integration of CLEVER Clouds with Third Party Software Systems Through a REST Web Service Interface. Published in PROCEEDINGS of the 17th IEEE Symposium on Computers and Communication (ISCC'12). IEEE Computer Society 2012.
- S. Distefano, F. Longo, K. Trivedi - Investigating dynamic reliability and availability through state-space models. Published on Computers and Mathematics with Applications, Elsevier edition, 2012.
  Note: Published online.
- A. Celesti, F. Tusa, M. Villari - Toward the Intercloud: Concepts and Advantages. Published on BOOK - Achieving Federated and Self-Manageable Cloud Infrastructures: Theory and Practice (FSCI11) IGi Global pp.1-17, 2012.
- A. Puliafito, M. Villari, M. Fazio, A. Celesti - Virtual Machine Provisioning Through Satellite Communications in Federated Cloud Environments. Published on the International JOURNAL of Future Generation Computer Systems, , ELSEVIER edition, n.1, vol.28, pp.85-93, January 2012.
- A. Celesti, F. Tusa, M. Villari, A. Puliafito - *An XDI-Based Approach to Represent and Exchange Data Between Federated Clouds*. Published on International JOURNAL on Advances in Internet Technology , IARIA edition, num.1-2, vol.5, pp.1-10, 2012. Url: http://www.iariajournals.org/internet_technology/index.html.
  Note: ISSN: 1942-2652.
- S. Distefano, A. Puliafito - *Cloud@Home: Toward a Volunteer Cloud*. Published on IT Professional num.1, vol.14, pp.27-31, 2012.

- N. Mitton, S. Papavassiliou, A. Puliafito, K. Trivedi - Combining Cloud and sensors in a smart city environment. Published on EURASIP Journal on Wireless Communications and Networking num.1, vol.2012, pp.1-10, 2012. paper
- S. Distefano, A. Puliafito, K. Trivedi - Dynamic aspects and behaviors of complex systems in performance and reliability assessment. Published on ACM SIGMETRICS Performance Evaluation Review num.4, vol.39, pp.71-78, 2012.
- A. Puliafito, S. Papavassiliou, T. Kishor - Editorial: Special Issue on Internet of Things: Convergence of Sensing, Networking, and Web Technologies. Published on EURASIP Journal on Wireless Communications and Networking 2012.
- D. Bruneo, S. Distefano, F. Longo, A. Puliafito, M. Scarpa - Evaluating wireless sensor node longevity through Markovian techniques. Published on Computer Networks , Elsevier edition, num.2, vol.56, pp.521 - 532, 2012.
- A. Celesti, F. Tusa, M. Villari, A. Puliafito - How to Federate VISION Clouds Through SAML/Shibboleth Authentication. Published on International JOURNAL of Lecture Notes in Computer Science, Springer vol.7592/2012, pp.259-274, 2012. Url: http://esocc2012.cs.unibo.it/index.html. Note: download DOI: 10.1007/978-3-642-33427-6_22 ISSN: 03029743.
- M. Fazio, M. Paone, A. Puliafito, M. Villari - HSCLOUD: Cloud Architecture for Supporting Homeland Security. Published on International Journal on Smart Sensing and Intelligent Systems num.1, vol.5, pp.246-276, March 2012. Note: ISSN 1178-5608.
- S. Distefano, A. Puliafito, K. Trivedi - Modeling Dynamic Behaviors of Complex Distributed Systems. Published on ACM SIGMETRICS Performance Evaluation Review num.4, vol.39, pp.49-50, 2012. paper
- D. Bruneo, F. Longo, A. Puliafito - Modeling Energy-Aware Cloud Federations with SRNs. Published on Transactions on Petri Nets and Other Models of Concurrency VI Lecture Notes in Computer Science vol.7400, pp.277-307, 2012.
- S. Distefano, G. Merlino, A. Puliafito - SAaaS: a framework for volunteer-based sensing Clouds. Published on JOURNAL of Parallel & Cloud Computing num.2, vol.1, pp.21-33, 2012. Url: http://pcc.academicpub.org/paperInfo.aspx?ID=14. Note: ISSN online: 2304-9456, ISSN print: 2304-9464.
- A. Puliafito, M. Villari, M. Fazio, A. Celesti - Virtual Machine Provisioning Through Satellite Communications in Federated Cloud Environments. Published on the International JOURNAL of Future Generation Computer Systems, , ELSEVIER edition, n.1, vol.28, pp.85-93, January 2012. Url: http://www.elsevier.com/wps/find/journaldescription.cws_home/505611/description#description. Note: ISSN: 0167-739.
- A. Celesti, F. Tusa, M. Villari, A. Puliafito - An Approach for the Composition of Generic Cloud-Based Services Using XRI-Based APIs for Enabling New E-Business, World Academic Publishing. Published on International JOURNAL of E-Business Development (IJED) num.2, vol.3, pp.64-74, May 2013. Url: http://www.academicpub.org/ijed/.
  Note: download paper ISSN Print 2225-7411 ISSN Online 2226-7336.
- A. Cuomo, S. Distefano, A. Puliafito, M. Rak, O. Tomarchio, S. Venticinque, U. Villano - An SLA-based Broker for Cloud Infrastructures. Published on Journal of Grid Computing num.1, vol.11, pp.1-25, 2013.
- F. Tusa, M. Villari, A. Puliafito, M. Paone - How to exploit grid infrastructures for federated cloud purposes with CLEVER. Published on Int. J. Comput. Sci. Eng. - Inderscience Publishers num.3, vol.8, pp.253-268, July 2013. Url: http://dx.doi.org/10.1504/IJCSE.2013.055355. Note: ISSN: 1742-7185 DOI = 10.1504/IJCSE.2013.055355.
- M. Fazio, A. Puliafito, S. Distefano - Managing volunteer resources in the cloud. Published on International Journal of Computational Science and Engineering , Inderscience publishers edition, num.3, vol.8, 2013.
- D. Bruneo, S. Distefano, F. Longo, A. Puliafito, M. Scarpa - Workload-Based Software Rejuvenation in Cloud Systems . Published on IEEE TRANSACTIONS ON COMPUTERS, n.6, vol.62, pp.1072-1085, 2013.
- A. Celesti, M. Villari, A. Puliafito - *A Diversified Set of Security Features for XMPP Communication Systems Useful in Cloud Computing Federation*. Published on International Journal on Advances in Security, IARIA edition, num.3-4, vol.6, pp.99-110, December 2013. Url: http://www.iariajournals.org/security/. Note: ISSN: 1942-2636
- M. Fazio, A. Celesti, A. Puliafito, M. Villari - *A Message Oriented Middleware for Cloud Computing To Improve Efficiency in Risk Management Systems*. Published on Scalable Computing: Practice and Experience (SCPE) - Scientific International JOURNAL for Parallel and Distributed Computing , Special Issue on Cloud for Internet of Things, Universitatea de Vest din Timisoara edition, num.4, vol.14, pp.201-213, December 2013. Url: http://www.scpe.org/index.php/scpe/index. Note: ISSN: 1895-1767; DOI: 10.12694/scpe.v14i4.874.

- A. Celesti, F. Tusa, M. Villari, A. Puliafito - *An Approach for the Composition of Generic Cloud-Based Services Using XRI-Based APIs for Enabling New E-Business, World Academic Publishing*. Published on International JOURNAL of E-Business Development (IJED) num.2, vol.3, pp.64-74, May 2013. Url: http://www.academicpub.org/ijed/.
- M. Fazio, A. Puliafito, S. Distefano - *Managing volunteer resources in the cloud*. Published on International Journal of Computational Science and Engineering , Inderscience publishers edition, num.3, vol.8, 2013.
- C. Marquezan, D. Bruneo, F. Longo, F. Wessling, A. Metzger, A. Puliafito - *3-D Cloud Monitoring: Enabling Effective Cloud Infrastructure and Application Management*. Published on 10th International Conference on Network and Service Management pp.55-63, November 2014. **paper**
- M. Giacobbe, M. Cocco, A. Puliafito, M. Scarpa - *A Cloud-based Access Control Solution for Advanced Multi-purpose Management in Smart City Scenario*. Published on 2014 International Conference on Smart Computing (SMARTCOMP 2014) Hong Kong, China, 3-5 November 2014.
- D. Mulfari, A. Celesti, M. Villari - *A Computer System Architecture Providing a User-Friendly Man Machine Interface for Accessing Assistive Technology in Cloud Computing*. Published on JOURNAL of System and Software , Elsevier edition, vol.100, pp.129-138, 2014. Url: http://www.sciencedirect.com/science/article/pii/S0164121214002325.
Note: ISSN: 0164-1212.
- D. Cerotti, S. Distefano, G. Merlino, A. Puliafito - *A cooperative approach for Mobile Crowdsensing applications*. Published on Informatica Quantitativa 2014.
- S. Distefano, G. Merlino, A. Puliafito - *A framework for device-centric sensing Cloud*. Published on International Journal of Cloud Computing 2014.
Note: accepted, to be published.
- Panarello, A. Celesti, M. Villari, M. Fazio, A. Puliafito - *A Requirement Analysis for IaaS Cloud Federation*. Published on PROCEEDINGS of the 4th International Conference on Cloud Computing and Services Science (CLOSER 2014), Barcelona, Spain SCITEPRESS pp.584-589, April 2014. Url: http://closer.scitevents.org/?y=2014.
- M. Villari, A. Celesti, M. Fazio, A. Puliafito - *A Secure Self-Identification Mechanism for Enabling IoT Devices to Join Cloud Computing*. Published on (accepted) PROCEEDINGS of the First International Conference on Safety and Security in Internet of Things Springer 28 October 2014. Url: http://securityiot.eu/2014/show/home.
- S. Distefano, G. Merlino, A. Puliafito - *A Utility Paradigm for IoT: the Sensing Cloud*. Published on Pervasive and Mobile Computing 2014.
Note: to be published.
- Celesti, M. Fazio, M. Villari, A. Puliafito - *Adding Long-Term Availability, Obfuscation, and Encryption to Multi-Cloud Storage Systems*. Published on (accepted) JOURNAL of Network and Computer Applications , Elsevier edition, 2014. Url: http://www.sciencedirect.com/science/article/pii/S1084804514002288.
Note: ISSN: 1084-8045; Impact Factor: 1.772. DOI:http://dx.doi.org/10.1016/j.jnca.2014.09.021 .
- M. Villari, A. Celesti, M. Fazio, A. Puliafito - *AllJoin Lambda: an Architecture for the Management of Smart Environments in IoT*. Published on (accepted) International Conference on Smart Computing (SMARTCOMP 2014) - The First International Workshop on Sensors and Smart Cities (SSC 2014), Hong Kong IEEE Computer Society 2014.
- M. Fazio, A. Celesti, A. Puliafito, M. Villari - *An Integrated System for Advanced Multi-risk Management Based on Cloud for IoT*. Published on Advances onto the Internet of Things Salvatore Gaglio, Giuseppe Lo Re Springer International Publishing Advances in Intelligent Systems and Computing vol.260, pp.253-269, 2014. Url: http://link.springer.com/chapter/10.1007%2F978-3-319-03992-3_18.
- Celesti, M. Fazio, A. Puliafito, M. Villari - *Automating the Hadoop Configuration For Easy Setup in Resilient Cloud Systems*. Published on PROCEEDINGS of the IEEE Symposium on Computers and Communications (ISCC) IEEE Computer Society Madeira, Portugal, 23-26 June 2014.
- Panarello, M. Fazio, A. Celesti, M. Villari, A. Puliafito - *Cloud Federation to Elastically Increase MapReduce Processing Resources*. Published on (accepted) PROCEEDINGS of the The first international FedICI'2013 workshop: Federative and interoperable cloud infrastructures, Porto, Portugal 25-29 August 2014. Url: http://users.iit.uni-miskolc.hu/~kecskemeti/FedICI14/.
- S. Distefano, G. Merlino, A. Puliafito - *Device-centric Sensing: an Alternative to Data-centric Approaches*. Published on IEEE Systems Journal 2014..
- Y. Wolfsthal, E. Salant, A. Puliafito, M. Villari, D. Bruneo, F. Longo - *From VISION Cloud to Cloudwave: Towards the Future Internet and a New Generation of Services*. Published on The 2nd International Workshop on Cloud Computing: Project and Initiatives pp.641-646, September 2014.
- M. Fazio, A. Puliafito, M. Villari - *IoT4S: a new architecture to exploit sensing capabilities in smart cities*. Published on International Journal of Web and Grid Services , Inderscience Publishers edition,

num.2/3, vol.10, pp.114-138, 2014.
Note: ISSN: 1741-1106.

- S. Papavassiliou, C. Papagianni, S. Distefano, G. Merlino, A. Puliafito - *M2M Interactions Paradigm via Volunteer Computing and Mobile Crowdsensing*. Published on Machine-To-Machine Communications - Architectures, Technology, Standards, and Applications ed. Vojislav Misic and Jelena Misic pub. Taylor & Francis chap.11, March 2014.

- S. Distefano, G. Merlino, A. Puliafito - *Mobiles For Sensing Clouds: The SAaaS4Mobile Experience*. Published on Scalable Computing: Practice and Experience num.4, vol.14, 2014.

- D. Bruneo, A. Lhoas, F. Longo, A. Puliafito - *Modeling and Evaluation of Energy Policies in Green Clouds*. Published on IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS 2014.

- D. Mulfari, A. Celesti, M. Villari, A. Puliafito - *Providing AT Applications as a Service Through Cloud Computing*. Published on (accepted) Assistive Technology. The Official JOURNAL of RESNA , Taylor & Francis edition, 2014. Url:
  http://www.tandfonline.com/doi/abs/10.1080/10400435.2014.963258#.VDpLtnWSy00.
  Note: ISSN 1040-0435 (Print), 1949-3614 (Online). 2013 Impact Factor: 1.300..

- M. Fazio, A. Celesti, M. Villari, A. Puliafito - *Resource Management in Cloud Federation using XMPP*. Published on (accepted) PROCEEDINGS of the 13th IEEE International Symposium on Network Computing and Applications (IEEE NCA14), Boston, Massachusetts, USA IEEE Computer Society pp.67-70, 21-23 2014.
  Note: ISBN:978-1-4799-5393-6/14, DOI 10.1109/NCA.2014.15,

- Puliafito - *SensorCloud: An Integrated System for Advanced Multi-risk Management*. Published on PROCEEDINGS of the Third Symposium on Network Cloud Computing and Applications (NCCA), Rome, Italy IEEE Computer Society, pp.1-8, February 2014.
  Note: ISBN: 978-7695-5168-5/14 DOI: 10.1109/NCCA.2014.10.

- G. Merlino, D. Bruneo, S. Distefano, F. Longo, A. Puliafito - *Stack4Things: integrating IoT with OpenStack in a Smart City context*. Published on Sensors and Smart Cities, First International Workshop on IEEE 2014.

- M. Fazio, A. Celesti, M. Villari, A. Puliafito - *The Need of a Hybrid Storage Approach for IoT in PaaS Cloud Federation*. Published on (accepted) IEEE International Conference on Advanced Information Networking and Applications (AINA) - Workshop on Pervasive Internet of Things and Smart Cities (PITSaC), Vitoria, Canada IEEE Computer Society, 13-16 May 2014. Url: http://ants-webs.inf.um.es/conferences/pitsac/.

- D. Mulfari, A. Celesti, M. Fazio, M. Villari, A. Puliafito - *Using Embedded Systems to Spread Assistive Technology on Multiple Devices in Smart Environments*. Published on (accepted) IEEE International Conference on Bioinformatics and Biomedicine (BIBM-2014) - Workshop on Assistive Technologies in Smart Environments - ATSE 2014 IEEE Computer Society 2-5 November 2014. Url: http://scm.ulster.ac.uk/atse/.

- D. Mulfari, A. Celesti, M. Villari, A. Puliafito - *Using Virtualization and noVNC to Support Assistive Technology in Cloud Computing*. Published on PROCEEDINGS of the Third Symposium on Network Cloud Computing and Applications (NCCA), Rome, Italy IEEE Computer Society pp.125-132, 4-7 February 2014. Url: https://sites.google.com/a/dis.uniroma1.it/ncca-2014/.
  Note: ISBN 14978076955165; DOI 10.1109/NCCA.2014.28 .