

**Europass
Curriculum Vitae**



Personal information

First name(s) / Surname(s) **Massimo Villari**
Address(es) Viale Principe Umberto 129/bis, 98122, Messina, Italy
Telephone(s) 0039 090 676 5342
Fax(es) 0039 090 676 5471 Mobile: 0039 347
E-mail mvillari@unime.it
Nationality Italian
Date of birth May 26, 1972
Gender Male

**Desired employment /
Occupational field**

Full Professor, University of Messina - Italy (Computer Science: INF-01; B-01)

Work experience

Dates December 2018 – Onwards
Occupation or position held Full Professor
Main activities and responsibilities ICT Research and Teacher on Security Courses on Engineering and Computer Science.
Teaching of courses:
- **Basic Computer**
- **Object Oriented Programming**
- **Database**
- **Security in Distributed Systems**
- **Advanced Algorithms**
Name and address of employer University of Messina – Italy

Work experience

Rector delegate on ICT for whole University of Messina

Dates April 2019 – Onwards

Occupation or position held	Rector delegate
Main activities and responsibilities	ICT Consultant for the whole University for Digitalization of public administration process
Name and address of employer	University of Messina – Italy
Dates	November 2018 - Onwards
Occupation or position held	Scientific Responsible and Consultant
Main activities and responsibilities	Design of Smart Cities Scenarios and applications in Messina Municipality
Name and address of employer	ICT – for Smart Cities
Type of business or sector	Smart City
Name and address of employer	Municipality of Messina
Dates	October 2018 - Onwards
Occupation or position held	Head of Computer Science School
Main activities and responsibilities	Coordination of all Didactical Activities in Computer Science School in the University of Messina
Name and address of employer	University of Messina – Italy
Type of business or sector	Academia and Didactical in ICT

Work experience

	Associate Professor
Dates	November 2014 – December 2018
Occupation or position held	Associate Professor, University of Messina - Italy (Computer Science: INF-01; B-01)
Main activities and responsibilities	ICT Research and Teacher on Security Courses on Engineering and Computer Science. Teaching of courses: <ul style="list-style-type: none">- Basic Computer- Object Oriented Programming- Database- Security in Distributed Systems- Advanced Algorithms
Name and address of employer	University of Messina – Italy
Dates	July 2016 - December 2018
Occupation or position held	Scientific Responsible
Main activities and responsibilities	Design of a Cloud Architecture for managing Workflows and Tele Medicine for Remote Patience Control, in eHealth scenarios.
Name and address of employer	ICT – for eHealth: Cloud Computing for Workflows and Tele Medicine
Type of business or sector	IRCCS
Name and address of employer	University of Messina – IRCCS Italy
Dates	February 2015 November 2016
Occupation or position held	System Architect
Main activities and responsibilities	Design of a Federated Cloud Architecture in Networking for BEACON Project; Coordination of UniME Activities
Name and address of employer	BEACON Project, ICT - Cloud Computing, IaaS: networking in federation
Type of business or sector	European Project H2020: Large
Dates	March 2015 Onwards
Occupation or position held	System Architect

Main activities and responsibilities	Design of the Cloud Service Brokerage and Storage Architectures for Cloud for Europe (C4E) Project; Coordination of UniME Activities
Name and address of employer	C4E Project, ICT - Cloud Computing, IaaS, Cloud Service Brokerage: computational storage.
Dates	July 2014 October 2016
Occupation or position held	Cloud Support: Cooperation and Support Action (CSA)
Main activities and responsibilities	ICT Consultant on Cloud Computing in the context of FIWARE for frontierCities FIWARE Accelerator.
Name and address of employer	University of Messina – Italy
Type of business or sector	European Project FP7: CSA
Dates	November 2013 - February 2015
Occupation or position held	System Architect
Main activities and responsibilities	Design of a DevOps Cloud Architecture for CloudWave Project; Coordination of UniME Activities
Name and address of employer	BEACON Project, ICT - Cloud Computing, IaaS: Dev Ops infrastructure.
Type of business or sector	European Project FP7: IP
Dates	October 2010 October 2014
Occupation or position held	System Architect
Main activities and responsibilities	Design of a Cloud Storage Architecture for VISION-CLOUD Project; Coordination of UniME Activities
Name and address of employer	VISION-CLOUD Project, ICT - Cloud Computing, IaaS : computational storage
Type of business or sector	European Project FP7: IP
Dates	January 2006 –October 2014
Occupation or position held	Aggregate Professor
Main activities and responsibilities	Teaching of courses: - Basic Computer - Object Oriented Programming - Database - Security in Distributed Systems - Advanced Algorithms
Name and address of employer	Faculties of Engineering, Economics and Medicine, University of Messina Messina, Italy

Type of business or sector	Italian Public University
Dates	2002
Occupation or position held	Internship
Main activities and responsibilities	Software Engineering: - Development of new video streaming technologies MP4 based, on IP wired and wireless infrastructures; MPEG4IP project - Network Mobility on IPv6: Mobile Routers; NEMO project.
Name and address of employer	Cisco Systems, Sophia Antipolis - France
Type of business or sector	United States ICT Company, World Wide Leader in Networking
Dates	2000 - 2001
Occupation or position held	Researcher / Independent Consultant
Main activities and responsibilities	Design of an architecture for the inter-cooperation among Mobile Agents and Digital Still Cameras.
Name and address of employer	STMicroelectronics Catania Site - Italy
Type of business or sector	European Electronic Devices Manufacturer

Education and training

Dates	1999/00 – 2001/00
Title of qualification awarded	PhD on <i>Advance Technologies for Information Engineering</i>
Principal subjects/occupational skills covered	Thesis Title: <i>Mobile IP: Support for Mobile Networks in tree hierarchy architecture.</i>
Name and type of organisation providing education and training	Faculty of Engineering, University of Messina Messina, Italy
Level in national or international classification	ISCED 6
Dates	2001 – 2003
Title of qualification awarded	University expert on the subject of Distributed Systems
Principal subjects/occupational skills covered	Academic Tutoring and Research in the ICT area
Name and type of organisation providing education and training	Faculty of Engineering, University of Messina Messina, Italy
Level in national or international classification	NC
Dates	1992/93 – 1998/99
Title of qualification awarded	Master Degree of Electronic Engineering

Principal subjects/occupational skills covered
 Thesis Title:
Techniques of Real Time Computer Vision for Gesture Recognition
 (Real-Time image analysis for extrapolation of information)

Name and type of organisation providing education and training
 Faculty of Engineering, University of Messina
 Messina, Italy

Level in national or international classification
 ISCED 5

Dates
 1992

Title of qualification awarded
 Industrial Engineer

Principal subjects/occupational skills covered
 Studies on Engineering Topics

Name and type of organisation providing education and training
 ITIS Verona Trento, Public Technical Institute

Level in national or international classification
 ISCED 4

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)

Self-assessment
 European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient User	C2	Proficient User	B2	Independent User	C1	Proficient User	C1	Proficient User
A2	Basic User	A2	Basic User	A2	Basic User	A1	Basic User	A1	Basic User


(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

- Problem-solving attitude
- Strong referential values of fairness, equity and dignity
- Responsibility, Self-respect and self-reliance
- Ability to establish and maintain good working relations with people of different national and cultural backgrounds

Organisational skills and competences

Replace this text by a description of these competences and indicate where they were acquired. (Remove if not relevant, see instructions)

Technical skills and competences	<ul style="list-style-type: none"> - Analytical skills helping to analyze a situation and coming forward with a logical solution. - Communications skills helping understand and put forward your point to the other. - Problem solving skills enabling to not get overwhelmed and solve the problem systematically. - Decision making skills enabling to make tough decisions at the need
Computer skills and competences	<p>Competent with:</p> <ul style="list-style-type: none"> - Operative Systems: Windows, Linux, Mac - Networking and Software Architecture Definition for Distributed Systems - Applicative Software: Suite Office, Autocad, Computer Graphic Software, Relational Database design. - Programming Languages: Java, C/C++, Python, Perl, PHP, Bash Script - Design of Advanced Security Systems in Distributed Systems.
Artistic skills and competences	<p>Estimator and studier of Antonello da Messina Renaissance Painter (1430-1479). Discovered a place in Messina where he made a masterpiece, more of 500 years ago. PUBLICATION: Massimo Villari and Gianfranco Villari The Antwerp Crucifixion of Antonello da Messina the place of his inspiration in Camaro Electronic Imaging  the Visual Arts, EVA 2011 Florence, 4 – 6 May 2011</p>
Other skills and competences	<p>Habilitation for the engineering profession. Registration on Engineers Order Register of Messina, Messina 14/06/1999.</p>
Driving licence	A and B.
Additional information	<p>Since 2011: Fellow of IARIA, recognized as a Cloud computing expert.</p> <p>In 2014 recognized by an independent assessment (IEEE Cloud Computing Transaction, Issue April 2014) as a world-wide scientific researcher, top 27 classification, in the Cloud computing area.</p> <p>2008 onwards IEEE Society member, number 90368633.</p> <p>ACADEMIC SPINF-OFF: -Alma Digit, Innovative SME, in the Area of ICT. Spin-off of the Università di Messina. Gennaio 2017</p> <p>PATENTS:</p> <ul style="list-style-type: none"> -European Patent: <i>“A new network approach to the Image Generation for DSC”</i> Inventors: Antonino Arena, Mirko Guarnera, Massimo Mancuso, Antonio Puliafito, Massimo Villari. May 2001. -USA Patent: <i>“Correspondent Router”</i> Inventors: Pascal Thubert, Marco Molteni, Massimo Villari, Erick Levy Albegnoli. September 2002 -USA Patent: <i>“Route Server implementation using BGP”</i> Inventors: Pascal Thubert, Marco Molteni, Massimo Villari, Erick Levy Albegnoli. November 2002 -USA Patent: <i>“Route Server implementation using DNS”</i> (Domain Name System) Inventors: Pascal Thubert, Marco Molteni, Massimo Villari, Erick Levy Albegnoli. November 2002.

**SUPERVISION OF GRADUATE
STUDENTS AND
POSTDOCTORAL FELLOWS**

2010 – 2020 Number of Postdocs: **8** at Università di Messina Messina, Italy
2010 – 2020 Number of PhD Student: **8** at Università di Messina Messina, Italy
2006 – 2020 Master/Bachelor Students: **115** (40/75) at Università di Messina Messina, Italy

Teaching Activities

_Teacher of the Software Engineering Program for Web Applications (ING / INF05) under the Master's degree in E-business and ICT for Management - Academic Year 2010/2011 funded by the Sicily Region with D.D.G. n. 3285 / III / IS of 30/07/2010, filed on P.O.

Convergence Goal 2007/2013 F.S.E., Sicilian Region, Human Capital Axis.

_Teacher of the Security module in the networks, in the II LEVEL UNIVERSITY MASTER in Open Source and Computer Security A.A. 2011/2012. Operational Program F.S.E.

Convergence objective 2007-2013 Sicilian Region - Axis IV - Human Capital - C.I.P. n.

2007.IT.051.PO.003 / IV / 12 / F / 9.2.14 / 1384 - C.U.P.N.J45110000300009

2010-2011 Aggregate Professor at the Università di Messina, page 32 of 36 Teaching Information Processing Systems, 6 CFUs, SSD ING-INF / 05, Year II Semester II. At the Faculty of Engineering. Degree Course in Computer and Telecommunication Engineering, Bachelor.

2009-2010 Aggregate Professor at the Università di Messina, teaching Information Processing Systems, 6 CFUs, SSD ING-INF / 05, II semester II. At the Faculty of Engineering. Degree Course in Computer and Telecommunication Engineering, Bachelor.

_Aggregate Professor at the Università di Messina, Database teaching, 6 CFU, SSD ING-INF / 05, year I semester I. At the Faculty of Engineering. Degree courses in Computer Engineering and Electronic Engineering, Master.

2008-2009 Aggregate Professor at the Università di Messina, teaching Information Processing Systems, 6 CFUs, SSD ING-INF / 05, II semester II. At the Faculty of Engineering. Degree Course in Computer and Telecommunication Engineering, Bachelor..

_Aggregate Professor at the Università di Messina, Database teaching, 6 CFU, SSD ING-INF / 05, year I semester I. At the Faculty of Engineering. Degree courses in Computer Engineering and Electronic Engineering, Master.

_Professor of the Sicilian Interuniversity School for Secondary Teaching (SISSIS) of the Università di Messina, teaching of the "Didactic Databases Laboratory" (PHYSICO-INFORMATIC-MATHEMATIC, Degree Class 42 / A).

_Teacher of the Sicilian Interuniversity School of Specialization for Secondary Teaching (SISSIS) at the Università di Messina, on the teaching of "Visual Programming Didactic Laboratory" (PHYSICO-INFORMATIC-MATHEMATIC, Degree Class 42 / A).

2007-2008 _Aggregate Professor at the Università di Messina, teaching Information Processing Systems, 6 CFU, SSD ING-INF / 05, Pag. 33 of 36 year II semester II. At the Faculty of Engineering. Degree Course in Computer and Telecommunications Engineering, Bachelor.

_Aggregate Professor at the Università di Messina, Database teaching, 6 CFU, SSD ING-INF / 05, year I semester I. At the Faculty of Engineering. Degree courses in Computer Engineering and Electronic Engineering, Master.

_Aggregate Professor at the Università di Messina Studies, Supplementing the Teaching of Computer Skills (4 CFUs) (C.L. Banca Finanza and Assicurazioni). Faculty of Economics at the Università di Messina.

_Aggregate Professor at the Università di Messina, Supplementing the Information Systems Training Course (6CFU) (C.L. Economics and Computational Statistics). Faculty of Economics at the Università di Messina.

_Professor of the Sicilian Interuniversity School for Secondary Teaching (SISSIS) of the Università di Messina, teaching of the "Didactic Databases Laboratory" (PHYSICO-INFORMATIC-MATHEMATIC, Degree Class 42 / A).

_Teacher of the Sicilian Interuniversity School for Secondary Teaching (SISSIS) of the Università di Messina, of the "Teaching Laboratory of Visual Programming" (PHYSICO-INFORMATIC-MATHEMATIC, Degree Class 42 / A) in AA 2007/08 Department of Security in Systems, "Master in OPEN SOURCE AND SECURITY IN INFORMATICS" -ASSE III Human Resources -Misura 3.07- Action C - P.O.R. Sicilia 2000/2006 -n.prog. 5/564 project code 199-9 I.T. 16. 1.PO.011 / 3.07 / 9.2.14 / 0328

_Teacher of the Module Security module module, "Master in OPEN SOURCE AND SECURITY COMPUTING" -ASSE III Human Resources -Misura 3.07- Action C - P.O.R.

Teaching Activities

2006-2007 _Aggregate Professor at the Università di Messina, ag. 34 of 36 Teaching Information Processing Systems, 6 CFUs, SSD ING-INF / 05, Year II Semester II. At the Faculty of Engineering. Bachelor Degree in Computer and Telecommunication Engineering, Bachelor ,
_Aggregate Professor at the Università di Messina, Database teaching, 6 CFUs, SSD ING-INF / 05, year I semester I. At the Faculty of Engineering. Degree courses in Computer Engineering and Electronics Engineering, Master ,
_Professor of the Sicilian Interuniversity School for Secondary Teaching (SISSIS) of the Università di Messina, teaching of the "Didactic Databases Laboratory" (PHYSICO-INFORMATIC-MATHEMATIC, Degree Class 42 / A).
_Teacher of the Sicilian Interuniversity School for Secondary Teaching (SISSIS) of the Università di Messina, of the "Teaching Laboratory of Visual Programming" (PHYSICO-INFORMATIC-MATHEMATIC, Degree Class 42 / A) in AA 2006/07

2005-2006 _Adjunct Professor at the Università di Messina, teaching of Computer Fundamentals, 3 CFUs, SSD ING-INF / 05, year I semester II. Presso the Faculty of Engineering. Degree Course in Industrial Engineering Engineering, Bachelor ,
_Adjunct Professor at the Università di Messina, Teaching Computer Laboratory, 6 CFU, SSD ING-INF / 05, year I semester II. At the Faculty of Engineering. Degree Course in Computer and Telecommunication Engineering, Bachelor.
_Adjunct Professor at the Università di Messina, teaching information processing systems, 6 CFU, SSD ING-INF / 05, year II semester I. At the Faculty of Engineering. Bachelor Degree in Computer and Telecommunication Engineering, Bachelor ,
_Adjunct Professor at the Università di Messina, Database teaching, 6 CFU, SSD ING-INF / 05, year I semester I. At the Faculty of Engineering. Degree courses in Computer Engineering and Electronic Engineering, Master , A.A.2005 / 2006. Teacher, of the Interuniversity School of Sicilian Specialization Perag. 35 of 36 Secondary Teaching (SISSIS) of the Università di Messina, teaching of "Didactic Databases Laboratory" (PHYSICO-INFORMATIC-MATHEMATIC, Enrollment Class 42 / A).
_Teacher of the Sicilian Interuniversity School of Specialization for Secondary Education (SISSIS) of the Università di Messina, of the "Teaching Laboratory of Visual Programming" (PHYSICO-INFORMATIC-MATHEMATIC, Degree Class 42 / A) in AA 2005 / 06.

2004-2005 _Adjunct Professor at the Università di Messina, teaching of Computer Fundamentals, 3 CFU, SSD ING-INF / 05, year I semester II. At the Faculty of Engineering. Degree Course in Industrial Engineering Engineering, Bachelor.
_Adjunct Professor at the Università di Messina, teaching of Computer Laboratory, 6 CFU, SSD ING-INF / 05, year I semester II. At the Faculty of Engineering. Degree in Computer Science and Telecommunications Engineering, Bachelor.
_Teacher of the SQL Language Module in the courses of WEB1 Designer and WEB2 Designer, held at the Consorzio Universitario Internazionale Turistico Internazionale (CUFTI) in Taormina, June 2004.

2003-2004 _Adjunct Professor at the Università di Messina, Teaching Computer Fundamentals, 3 CFUs, SSD ING-INF / 05, year I semester II. At the Faculty of Engineering. Degree Course in Industrial Engineering Engineering, Bachelor .
_Adjunct Professor at the Università di Messina, teaching of Computer Laboratory, 6 CFU, SSD ING-INF / 05, year I semester II. At the Faculty of Engineering. Degree Course in Computer and Telecommunication Engineering, Bachelor.
_Teacher in Higher Education and Training (IFTS): Course title: "Expert in telematic and technological networks": Application Design for Intranet 1. ag. 36 of 36 module Application Design for Intranet 2. Course title: "Multimedia Consultant for Tourism Promotion": module Multimedia Applications: Tourism and Cataloging of Cultural Heritage.

Publications

Villari, Massimo

University of Pisa, Italy
ORCID: 0000-0001-9211-9900

Articles for this author published between 2010 and 2022

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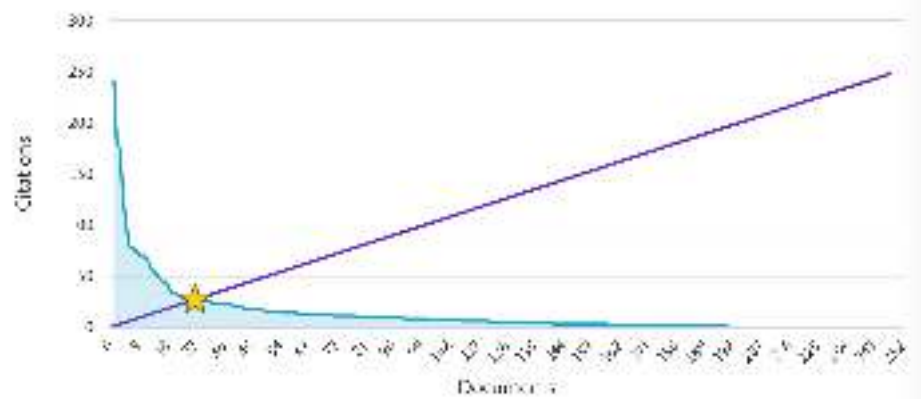
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Rank	Citations	h-index
1	261	How to manage a crisis...
2	172	Business Ethics and...
3	175	Direct & Campaigning...
4	75	Business of Emergency...
5	72	P. A. (in old editions...
6	72	Expanding Consumer...
7	74	Open to us in order...
8	75	Security and e-out...
9	71	Three-dimensional...

This author's h-index

27

The h-index is based upon the number of documents and number of citations.





Massimo Villari

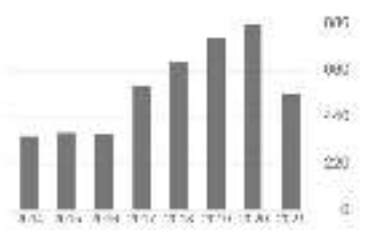
University of Messina
Email verified su unimc.it - [Homepage](#)
Cloud Computing Cloud Computing Fog-Edge Computing IoT IT Security

OTA SEARCH

Cratere da VISUALIZZA TUTTO

	Totale	DA 2016
Cratere	2551	2481
Indice I	26	27
Indice	18	27

TITOLO	CITAZIONI	ANNO
How to enhance cloud architectures to enable cross-federation A. Calzati, F. Turchi, M. Villari, A. Pulizzotto 2019 IEEE International Conference on Cloud Computing, 354-362	433	2019
Reservoir when one cloud is not enough B. Rothwagner, C. Grelpen, A. Spreier, C. Hesse, T. Ley, K. Nagel, ... Computer 44 (9): 44-51	361	2011
Osmotic computing: A new paradigm for edge/cloud integration M. Villari, M. Pario, S. Daddato, C. Rina, B. Rongier IEEE Cloud Computing 3 (2): 78-83	244	2018
Internet of Things and edge cloud computing roadmap for manufacturing D. Caviglioglio, F. J. Ayoubian, M. Pario, M. Villari, K. Rungger IEEE Cloud Computing 3 (3): 71-73	192	2018
Exploring container virtualization in IoT clouds A. Calzati, F. Turchi, M. Pario, M. Villari, A. Pulizzotto 2019 IEEE International Conference on Smart Computing (SMARTCOM), 1-8	132	2019
Security and cloud computing: Intercloud identity management infrastructure A. Calzati, F. Turchi, M. Villari, A. Pulizzotto 2019 18th IEEE International Workshops on Enabling Technologies ...	129	2019
Open issues in scheduling microservices in the cloud M. Pario, A. Calzati, B. Rongier, C. Rina, F. Ober, M. Villari IEEE Cloud Computing 3 (2): 51-55	127	2018
PEA: Parallel electrocardiogram-based authentication for smart healthcare systems Y. Zhang, H. Guo, H. Lu, W. Wang, C. He, L. ... Journal of Network and Computer Applications 147: 10-17	116	2018
Three-phase cross-cloud federation model: The cloud sso authentication A. Calzati, F. Turchi, M. Villari, A. Pulizzotto 2019 Second International Conference on Advances in Future Internet, 94-101	116	2019
Big data storage in the cloud for smart environment monitoring M. Pario, A. Calzati, A. Pulizzotto, M. Villari Procedia Computer Science 52: 510-516	106	2016
AllJoyn Lambda: An architecture for the management of smart environments in IoT M. Villari, A. Calzati, M. Pario, A. Nalio 2014 International Conference on Smart Computing (Workshop), 8-14	101	2014



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In corso il mondo di investimenti

Collabor VISUALIZZA

- Antonio Calzati
Research Professor in Computer...
- María Pario
University of Messina
- Francesco Rina
Department of Electronic and Tele...
- Antonio Grelpen
University of Messina
- Fabrizio Ober
University of Messina
- Lorenzo Caviglioglio
University of Messina

Buzachis, A., Boruta, D., Villari, M., Spillner, J.
57202386934;57221928878;12645423500;14042825100;
Modeling and Emulation of an Osmotic Computing Ecosystem using OsmoticToolkit
(2021) ACM International Conference Proceeding Series, art. no. 3444366, .
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100666106&doi=10.1145%2f3437378.3444366&partnerID=40&md5=ee460ed65f2c7344e56d5fa4cee88f7e>

DOI: 10.1145/3437378.3444366
AFFILIATIONS: University of Messina, Italy;
Universidad Nacional Del sur, Argentina;
Zurich University of Applied Sciences, Switzerland
EDITORS: Stanger N., Joachim V.L.
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Bosurgi, G., Marra, S., Pellegrino, O., Villari, M.

8835400800;57221675839;30567693400;12645423500;

Drivers' workload measures to verify functionality of ferry boats boarding area

(2020) Archives of Transport, 56 (4), pp. 7-17.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099755473&doi=10.5604%2f01.3001.0014.5506&partnerID=40&md5=3b9d78c4b28b6f347a5260dc1d9edf13)

[85099755473&doi=10.5604%2f01.3001.0014.5506&partnerID=40&md5=3b9d78c4b28b6f347a5260dc1d9edf13](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099755473&doi=10.5604%2f01.3001.0014.5506&partnerID=40&md5=3b9d78c4b28b6f347a5260dc1d9edf13)

DOI: 10.5604/01.3001.0014.5506

AFFILIATIONS: Department of Engineering, University of Messina, Italy;

Department of Scienze Matematiche e Informatiche, Scienze Fisiche e Scienze della Terra, University of Messina, Italy

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ISSN: 08669546

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SOURCE: Scopus

Spillner, J., Gkikopoulos, P., Buzachis, A., Villari, M.

14042825100;57215332454;57202386934;12645423500;

Rule-Based Resource Matchmaking for Composite Application Deployments across IoT-Fog-Cloud Continuums

(2020) Proceedings - 2020 IEEE/ACM 13th International Conference on Utility and Cloud Computing, UCC 2020, art. no. 9302804, pp. 336-341.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099557806&doi=10.1109%2fUCC48980.2020.00053&partnerID=40&md5=5ee241b79462e1cada98dade4d8d728c)

[85099557806&doi=10.1109%2fUCC48980.2020.00053&partnerID=40&md5=5ee241b79462e1cada98dade4d8d728c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099557806&doi=10.1109%2fUCC48980.2020.00053&partnerID=40&md5=5ee241b79462e1cada98dade4d8d728c)

DOI: 10.1109/UCC48980.2020.00053

AFFILIATIONS: Zurich University of Applied Sciences, Winterthur, Switzerland;

University of Messina, MIFT Department, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9780738123943

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PUBLICATION STAGE: Final

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Ruggeri, A., Celesti, A., Fazio, M., Galletta, A., Villari, M.

57216715787;36166437800;7103169882;57195106941;12645423500;

BCB-X3DH: A Blockchain Based Improved Version of the Extended Triple Diffie-Hellman Protocol
(2020) Proceedings - 2020 2nd IEEE International Conference on Trust, Privacy and Security in Intelligent
Systems and Applications, TPS-ISA 2020, art. no. 9325399, pp. 73-78.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100426957&doi=10.1109%2fTPS-ISA50397.2020.00020&partnerID=40&md5=70b480bf761ecd2f9376bd68d268f107>

DOI: 10.1109/TPS-ISA50397.2020.00020

AFFILIATIONS: University of Messina, Mift Department, Messina, 98166, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9781728185439

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

Fazio, M., Celesti, A., Villari, M.

7103169882;36166437800;12645423500;

Improving Proximity Detection of Mesh Beacons at the Edge for Indoor and Outdoor Navigation

(2020) IEEE International Workshop on Computer Aided Modeling and Design of Communication Links
and Networks, CAMAD, 2020-September, art. no. 9209253, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093927502&doi=10.1109%2fCAMAD50429.2020.9209253&partnerID=40&md5=aa5b2c3d9294655506583c809d25b3e9)

[85093927502&doi=10.1109%2fCAMAD50429.2020.9209253&partnerID=40&md5=aa5b2c3d9294655506583c809d25b3e9](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093927502&doi=10.1109%2fCAMAD50429.2020.9209253&partnerID=40&md5=aa5b2c3d9294655506583c809d25b3e9)

DOI: 10.1109/CAMAD50429.2020.9209253

AFFILIATIONS: Università Degli Studi di Messina, Italy

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Galletta, A., Fazio, M., Celesti, A., Villari, M.

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On the Applicability of Secret Share Algorithms for Osmotic Computing

(2020) Proceedings - IEEE Symposium on Computers and Communications, 2020-July, art. no. 9219597, .

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[85094142365&doi=10.1109%2fISCC50000.2020.9219597&partnerID=40&md5=57bd294c7f50abd98b5eb9892f230ffa](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094142365&doi=10.1109%2fISCC50000.2020.9219597&partnerID=40&md5=57bd294c7f50abd98b5eb9892f230ffa)

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Jindal, A., Aujla, G.S., Kumar, N., Villari, M.

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GUARDIAN: Blockchain-Based Secure Demand Response Management in Smart Grid System

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[85086165039&doi=10.1109%2fTSC.2019.2962677&partnerID=40&md5=1f4ace1869d092ff5dfc78350becf271](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086165039&doi=10.1109%2fTSC.2019.2962677&partnerID=40&md5=1f4ace1869d092ff5dfc78350becf271)

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A Decision Support System for Therapy Prescription in a Hospital Centre

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[85094157532&doi=10.1109%2fISCC50000.2020.9219656&partnerID=40&md5=88eb595817cfc93b8575cfa4863541b3](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094157532&doi=10.1109%2fISCC50000.2020.9219656&partnerID=40&md5=88eb595817cfc93b8575cfa4863541b3)

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Improving Machine Learning Algorithm Processing Time in Tele-Rehabilitation through a NoSQL Graph Database Approach: A Preliminary Study

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[85093918250&doi=10.1109%2fISCC50000.2020.9219634&partnerID=40&md5=3f4256b8756176358eed7e4231c79be9](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093918250&doi=10.1109%2fISCC50000.2020.9219634&partnerID=40&md5=3f4256b8756176358eed7e4231c79be9)

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57197711780;56967916100;12645423500;55885279500;57202362709;

Software-driven big data analytics: Guest editors' introduction

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A multi-agent autonomous intersection management (MA-AIM) system for smart cities leveraging edge-of-things and Blockchain

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[85081013719&doi=10.1016%2fj.ins.2020.02.059&partnerID=40&md5=973742785fa20fdb549fdaefa254d8d0](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081013719&doi=10.1016%2fj.ins.2020.02.059&partnerID=40&md5=973742785fa20fdb549fdaefa254d8d0)

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56828490400;55365934100;57208272991;7005128430;23029267900;12645423500;7405449711;57197711780;

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[85089427232&doi=10.1145%2f3383464&partnerID=40&md5=e8c0dca631ce20db1e55abe556acabfa](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089427232&doi=10.1145%2f3383464&partnerID=40&md5=e8c0dca631ce20db1e55abe556acabfa)

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Verifiable Secret Share for file storage with cheater identification

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DOI: 10.1109/CCGrid49817.2020.000-9

AFFILIATIONS: University of Messina, Mift Department, Italy

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DOI: 10.1002/spe.2813

AFFILIATIONS: School of Computing, Newcastle University, Newcastle upon Tyne, United Kingdom;
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Carnevale, L., Celesti, A., Fiumara, G., Galletta, A., Villari, M.

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[85079870682&doi=10.1016%2fj.asoc.2020.106155&partnerID=40&md5=a636e363bf3d28aa40f0180d1e5b6b6f](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079870682&doi=10.1016%2fj.asoc.2020.106155&partnerID=40&md5=a636e363bf3d28aa40f0180d1e5b6b6f)

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36166437800;57216715787;7103169882;57195106941;12645423500;57190871275;

Blockchain-based healthcare workflow for tele-medical laboratory in federated hospital IoT clouds

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Panarello, A., Celesti, A., Fazio, M., Puliafito, A., Villari, M.
56204152700;36166437800;7103169882;35618875300;12645423500;
A big video data transcoding service for social media over federated clouds
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57195963279;36166437800;7103169882;12645423500;
A big data analytics approach for the development of advanced cardiology applications
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DOI: 10.3390/info11020060
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36166437800;6602987304;24333732700;7103169882;57191038144;57190871275;7005112597;12645423500;

Information management in IoT cloud-based tele-rehabilitation as a service for smart cities: Comparison of NoSQL approaches

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[85075184948&doi=10.1016%2fj.measurement.2019.107218&partnerID=40&md5=c5d93175305f7f948e64305b8ad518d8](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075184948&doi=10.1016%2fj.measurement.2019.107218&partnerID=40&md5=c5d93175305f7f948e64305b8ad518d8)

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How to Manage Efficiently Clinical Big-Data by Means of Cloud Computing

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Di Salvo, R., Galletta, A., Belcore, O.M., Villari, M.

56644436400;57195106941;57217013834;12645423500;

Modeling Users' Performance: Predictive Analytics in an IoT Cloud Monitoring System

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(2020) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 12054 LNCS, pp. 113-121. Cited 1 time.

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AFFILIATIONS: Department of Engineering, University of Messina, Contrada Di Dio (S. Agata), Messina, 98166, Italy

PUBLISHER: Springer Verlag

Massonet, P., Dupont, S., Michot, A., Levin, A., Villari, M.

A motivating case study for coordinating deployment of security VNF in federated cloud networks

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AFFILIATIONS: CETIC Research Center, Charleroi, Belgium;

IBM Research Lab, Haifa, Israel;

University of Messina, Messina, Italy

PUBLISHER: Springer Verlag

Fazio, M., Ranjan, R., Girolami, M., Taheri, J., Dustdar, S., Villari, M.
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(2018) 5 (5), art. no. 8497016, pp. 22-24.
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AFFILIATIONS: University of Messina, Italy;
Newcastle University, United Kingdom;
Italian National Council of Research, Italy;
Karlstad University, Sweden;
TU Wien, Austria
PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

Allam, S., Galletta, A., Carnevale, L., Bekri, M.A., El Ouahbi, R., Villari, M.
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AFFILIATIONS: Lab MIASH and Lab MACS, Department of Computer Science and Mathematics, Faculty of Sciences, University Moulay Ismail, Meknes, Morocco;
Department of Engineering, University of Messina, Messina, Italy
PUBLISHER: Springer Verlag

Carnevale, L., Galletta, A., Celesti, A., Fazio, M., Paone, M., Bramanti, P., Villari, M.
Big data HIS of the IRCCS-ME future: The osmotic computing infrastructure
(2018) 189, pp. 199-207.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034108245&doi=10.1007%2f978-3-319-67636-4_21&partnerID=40&md5=7ee018e3874de2334c13001aa1a1376e
AFFILIATIONS: Department of Engineering, University of Messina, Messina, Italy;
IRCCS Centro Neurolesi "Bonino Pulejo", Messina, Italy
PUBLISHER: Springer Verlag

Vanelli, B., Pinto, A.R., da Silva, M.P., Dantas, M.A.R., Fazio, M., Celesti, A., Villari, M.
IoT data storage in the cloud: A case study in human biometeorology
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AFFILIATIONS: Federal University of Santa Catarina, Florianópolis, Santa Catarina, Brazil;
University of Messina, Messina, Italy;
IRCCS Centro Neurolesi "Bonino Pulejo", Messina, Italy
PUBLISHER: Springer Verlag

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DOCUMENT TYPE: Article

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A. Celesti, F. Maria, A. Romano, A. Bramanti, P. Bramanti and M. Villari,
"An OAIS-based Hospital Information System on the Cloud: Analysis of a NoSQL Column-Oriented Approach," in *IEEE Journal of Biomedical and Health Informatics*, vol. PP, no. 99, pp. 1-1.
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DOCUMENT TYPE: Article

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Morshed, A., Jayaraman, P.P., Sellis, T., Georgakopoulos, D., Villari, M., Ranjan, R.
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DOI: 10.1109/MCC.2018.1081070
AFFILIATIONS: Swinburne University of Technology, Australia;
University of Messina, Italy;
Newcastle University, United Kingdom
PUBLISHER: Institute of Electrical and Electronics Engineers Inc.
ISSN: 23256095
DOCUMENT TYPE: Article

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Villari, M., Celesti, A., Fazio, M.
Towards osmotic computing: Looking at basic principles and technologies
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DOI: 10.1007/978-3-319-61566-0_86
PUBLISHER: Springer Verlag
ISSN: 21945357
ISBN: 9783319615653
DOCUMENT TYPE: Conference Paper

[157]

Longo, A., Villari, M., Napoleone, D.
Preface
(2018) *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications*

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[85034081715&partnerID=40&md5=7fe761cd40bd836e64ec7039c09e3c75](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034081715&partnerID=40&md5=7fe761cd40bd836e64ec7039c09e3c75)

PUBLISHER: Springer Verlag

ISSN: 18678211

ISBN: 9783319676357

DOCUMENT TYPE: Editorial

[156]

Ranjan, R., Jayaraman, P.P., Villari, M., Georgakopoulos, D.

A note on resource management techniques and systems for big data workflow processing

(2018) Computing, 100 (1), .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041921014&doi=10.1007%2fs00607-018-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041921014&doi=10.1007%2fs00607-018-0586-9&partnerID=40&md5=21a74772903c304333394e68daa738d3)

[0586-9&partnerID=40&md5=21a74772903c304333394e68daa738d3](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041921014&doi=10.1007%2fs00607-018-0586-9&partnerID=40&md5=21a74772903c304333394e68daa738d3)

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Central, Newcastle upon Tyne, United Kingdom;

School of Software and Electrical Engineering, Swinburne University of Technology, John Street, Hawthorn, VIC, Australia;

School of Engineering, University of Messina, Piazza Pugliatti, 1, Messina, ME, Italy

PUBLISHER: Springer-Verlag Wien

ISSN: 0010485X

CODEN: CMPTA

DOCUMENT TYPE: Editorial

[155]

Villari, M., Tricomi, G., Celesti, A., Fazio, M.

Orchestration for the deployment of distributed applications with geographical constraints in cloud federation

(2018) Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, 189, pp. 177-187.

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[67636-4_19&partnerID=40&md5=3177451bb9034ffa5af3ec7d8b1101d0](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034083478&doi=10.1007%2f978-3-319-67636-4_19&partnerID=40&md5=3177451bb9034ffa5af3ec7d8b1101d0)

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DOCUMENT TYPE: Conference Paper

[154]

Massonet, P., Dupont, S., Michot, A., Levin, A., Villari, M.

A motivating case study for coordinating deployment of security VNF in federated cloud networks

(2018) Communications in Computer and Information Science, 707, pp. 34-42.

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[72125-5_3&partnerID=40&md5=cef114d50c0285d9a7ae6fd053c83b1b](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042120745&doi=10.1007%2f978-3-319-72125-5_3&partnerID=40&md5=cef114d50c0285d9a7ae6fd053c83b1b)

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IBM Research Lab, Haifa, Israel;
University of Messina, Messina, Italy
PUBLISHER: Springer Verlag
ISSN: 18650929
ISBN: 9783319721248
DOCUMENT TYPE: Conference Paper

[153]

Giacobbe, M., Celesti, A., Fazio, M., Villari, M., Puliafito, A.
Re-powering service provisioning in federated cloud ecosystems: An algorithm combining energy sustainability and cost-saving strategies
(2018) Communications in Computer and Information Science, 707, pp. 19-33.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042121202&doi=10.1007%2f978-3-319-72125-5_2&partnerID=40&md5=ba9ff1c48b252361627c9dc58e0bdb45
DOI: 10.1007/978-3-319-72125-5_2
PUBLISHER: Springer Verlag
ISSN: 18650929
ISBN: 9783319721248
DOCUMENT TYPE: Conference Paper

[152]

Vanelli, B., Pinto, A.R., da Silva, M.P., Dantas, M.A.R., Fazio, M., Celesti, A., Villari, M.
IoT data storage in the cloud: A case study in human biometeorology
(2018) Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, 189, pp. 253-262.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034078740&doi=10.1007%2f978-3-319-67636-4_26&partnerID=40&md5=17c483f7d453cea0c63fafb24398df23
DOI: 10.1007/978-3-319-67636-4_26
AFFILIATIONS: Federal University of Santa Catarina, Florianópolis, Santa Catarina, Brazil;
University of Messina, Messina, Italy;
IRCCS Centro Neurolesi "Bonino Pulejo", Messina, Italy
PUBLISHER: Springer Verlag
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[151]

Carnevale, L., Galletta, A., Celesti, A., Fazio, M., Paone, M., Bramanti, P., Villari, M.
Big data HIS of the IRCCS-ME future: The osmotic computing infrastructure
(2018) Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, 189, pp. 199-207.
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AFFILIATIONS: Department of Engineering, University of Messina, Messina, Italy;

IRCCS Centro Neurolesi "Bonino Pulejo", Messina, Italy

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DOCUMENT TYPE: Conference Paper

J-[150]

Lay-Ekuakille, A., Griffo, G., Fazio, M., Villari, M.

A Distributed Edge Computing Architecture to Support Sensing and Detecting Leaks in Waterworks Based on Advanced FDM

(2017) IEEE Sensors Journal, 17 (23), art. no. 7982790, pp. 7820-7827.

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[85028938270&doi=10.1109%2fJSEN.2017.2727984&partnerID=40&md5=fa224f3eb99e38b83ca95fd1a3a86a03](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85028938270&doi=10.1109%2fJSEN.2017.2727984&partnerID=40&md5=fa224f3eb99e38b83ca95fd1a3a86a03)

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AFFILIATIONS: Department of Innovation Engineering, University of Salento, Lecce, Italy;

Department of Engineering, University of Messina, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 1530437X

DOCUMENT TYPE: Article

J-[149]

Celesti, A., Galletta, A., Carnevale, L., Fazio, M., Lay-Ekuakille, A., Villari, M.

An IoT Cloud System for Traffic Monitoring and Vehicular Accidents Prevention Based on Mobile Sensor Data Processing

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[85035750192&doi=10.1109%2fJSEN.2017.2777786&partnerID=40&md5=c114a1ee55391b73e3f710c59037f77a](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85035750192&doi=10.1109%2fJSEN.2017.2777786&partnerID=40&md5=c114a1ee55391b73e3f710c59037f77a)

DOI: 10.1109/JSEN.2017.2777786

AFFILIATIONS: Department of Engineering, University of Messina, Italy and Alma Digit Research Lab, Messina, Italy and on behalf of GNCS — Gruppo Nazionale per il Calcolo Scientifico - INdAM.;

Department of Engineering, University of Messina, Italy and IRCCS Centro Neurolesi, Bonino Pulejo Messina, Italy.;

University of Salento, Lecce, Italy.;

Department of Engineering, University of Messina, Italy and Alma Digit Research Lab, Messina, Italy and IRCCS Centro Neurolesi, Bonino Pulejo Messina, Italy and on behalf of GNCS — Gruppo Nazionale per il Calcolo Scientifico - INdAM.

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 1530437X

DOCUMENT TYPE: Article in Press

J-[148]

Galletta, A., Carnevale, L., Celesti, A., Fazio, M., Villari, M.

A Cloud-Based System for Improving Retention Marketing Loyalty Programs in Industry 4.0: A Study on Big Data Storage Implications

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[85035799131&doi=10.1109%2fACCESS.2017.2776400&partnerID=40&md5=75084915d395d1eebf8a99b0b13569a6](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85035799131&doi=10.1109%2fACCESS.2017.2776400&partnerID=40&md5=75084915d395d1eebf8a99b0b13569a6)

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AFFILIATIONS: Department of Engineering, University of Messina, Messina, Italy;

Alma Digit S. R. L, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 21693536

DOCUMENT TYPE: Article

[147]

Villari, M., Celesti, A., Tricomi, G., Galletta, A., Fazio, M.

Deployment orchestration of microservices with geographical constraints for Edge computing

(2017) Proceedings - IEEE Symposium on Computers and Communications, art. no. 8024599, pp. 633-638.

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[85030561572&doi=10.1109%2fISCC.2017.8024599&partnerID=40&md5=4e02b0cd5367fea7d4e7e76e497f17cd](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85030561572&doi=10.1109%2fISCC.2017.8024599&partnerID=40&md5=4e02b0cd5367fea7d4e7e76e497f17cd)

DOI: 10.1109/ISCC.2017.8024599

AFFILIATIONS: Department of Engineering, University of Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781538616291

DOCUMENT TYPE: Conference Paper

J-[146]

Celesti, A., Mulfari, D., Fazio, M., Puliafito, A., Villari, M.

Evaluating alternative DaaS solutions in private and public OpenStack Clouds

(2017) Software - Practice and Experience, 47 (9), pp. 1185-1200.

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DOI: 10.1002/spe.2498

AFFILIATIONS: Scientific Research Op. U., University of Messina, Via Consolato del Mare, 41, Messina, Italy;

Department of Engineering, University of Messina, Contrada di Dio, Messina, Italy;

IRCCS Centro Neurolesi 'Bonino Pulejo', Messina, Italy

PUBLISHER: John Wiley and Sons Ltd

ISSN: 00380644

CODEN: SPEXB

DOCUMENT TYPE: Article

[145]

Carnevale, L., Celesti, A., Fazio, M., Bramanti, P., Villari, M.

How to enable clinical workflows to integrate big healthcare data
(2017) Proceedings - IEEE Symposium on Computers and Communications, art. no. 8024634, pp. 857-862.
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DOI: 10.1109/ISCC.2017.8024634

AFFILIATIONS: Department of Engineering, University of Messina, Italy;

Scientific Research Organisational Unit, University of Messina, Italy;

IRCCS Centro Neurolesi 'Bonino Pulejo', Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

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DOCUMENT TYPE: Conference Paper

[144]

Galletta, A., Bonanno, L., Celesti, A., Marino, S., Bramanti, P., Villari, M.

An approach to share MRI data over the Cloud preserving patients' privacy

(2017) Proceedings - IEEE Symposium on Computers and Communications, art. no. 8024511, pp. 94-99.

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DOI: 10.1109/ISCC.2017.8024511

AFFILIATIONS: Department of Engineering, University of Messina, Italy;

IRCCS Centro Neurolesi Bonino Pulejo, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

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DOCUMENT TYPE: Conference Paper

[143]

Celesti, F., Celesti, A., Carnevale, L., Galletta, A., Campo, S., Romano, A., Bramanti, P., Villari, M.

Big data analytics in genomics: The point on Deep Learning solutions

(2017) Proceedings - IEEE Symposium on Computers and Communications, art. no. 8024547, pp. 306-309.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85030565975&doi=10.1109%2fISCC.2017.8024547&partnerID=40&md5=3c359473fcb1c98211702f4274c77744>

DOI: 10.1109/ISCC.2017.8024547

AFFILIATIONS: Department of Engineering, University of Messina, Italy;

Department of Biomedical and Dental Sciences and Morphofunctional Images, University of Messina, Italy;

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Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781538616291

DOCUMENT TYPE: Conference Paper

[142]

Galletta, A., Celesti, A., Tusa, F., Fazio, M., Bramanti, P., Villari, M.

Big MRI data dissemination and retrieval in a multi-cloud hospital storage system

(2017) ACM International Conference Proceeding Series, Part F128634, pp. 162-166.

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[85025438511&doi=10.1145%2f3079452.3079507&partnerID=40&md5=39f091c6f1f0f8cb70e6de6ac63e7b81](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85025438511&doi=10.1145%2f3079452.3079507&partnerID=40&md5=39f091c6f1f0f8cb70e6de6ac63e7b81)

DOI: 10.1145/3079452.3079507

AFFILIATIONS: Department of Engineering, University of Messina, Messina, Italy;

Scientific Research Organizational Unit, University of Messina, Messina, Italy;

Department of Electronic and Electrical Engineering, University College London, London, United Kingdom;

IRCCS Centro Neurolesi, Bonino Pulejo Messina, Italy;

Department of Engineering, University of Messina, IRCCS Centro Neurolesi, Bonino Pulejo Messina, Italy

PUBLISHER: Association for Computing Machinery

ISBN: 9781450352499

DOCUMENT TYPE: Conference Paper

J-[141]

Villari, M., Fazio, M., Dustdar, S., Rana, O., Chen, L., Ranjan, R.

Software Defined Membrane: Policy-Driven Edge and Internet of Things Security

(2017) IEEE Cloud Computing, 4 (4), art. no. 8066009, pp. 92-99.

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[85032203519&doi=10.1109%2fMCC.2017.3791014&partnerID=40&md5=4d2648279146c10a39b3544a4d61463c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032203519&doi=10.1109%2fMCC.2017.3791014&partnerID=40&md5=4d2648279146c10a39b3544a4d61463c)

DOI: 10.1109/MCC.2017.3791014

AFFILIATIONS: University of Messina, Italy;

TU Wien, Austria;

Cardiff University, United Kingdom;

IBM Zurich Research Lab, Switzerland;

Newcastle University, Chinese University of Geosciences, United Kingdom

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 23256095

DOCUMENT TYPE: Article

J-[140]

Massonet, P., Deru, L., Achour, A., Dupont, S., Levin, A., Villari, M.

End-To-End Security Architecture for Federated Cloud and IoT Networks

(2017) 2017 IEEE International Conference on Smart Computing, SMARTCOMP 2017, art. no. 7947005, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85022341627&doi=10.1109%2fSMARTCOMP.2017.7947005&partnerID=40&md5=a46da791700dca0732bddc0c6557661c)

[85022341627&doi=10.1109%2fSMARTCOMP.2017.7947005&partnerID=40&md5=a46da791700dca0732bddc0c6557661c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85022341627&doi=10.1109%2fSMARTCOMP.2017.7947005&partnerID=40&md5=a46da791700dca0732bddc0c6557661c)

DOI: 10.1109/SMARTCOMP.2017.7947005

AFFILIATIONS: CETIC Research Center, Charleroi, Belgium;

IBM Research Lab, Haifa, Israel;
University of Messina, Italy
PUBLISHER: Institute of Electrical and Electronics Engineers Inc.
ISBN: 9781509065172
DOCUMENT TYPE: Conference Paper

J-[139]

Celesti, A., Celesti, F., Fazio, M., Bramanti, P., Villari, M.
Are Next-Generation Sequencing Tools Ready for the Cloud?
(2017) Trends in Biotechnology, 35 (6), pp. 486-489. Cited 5 times.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85016768181&doi=10.1016%2fj.tibtech.2017.03.005&partnerID=40&md5=8242d7f9e2b79d601ce7bcd2027eee64>
DOI: 10.1016/j.tibtech.2017.03.005
AFFILIATIONS: Scientific Research Organisational Unit, University of Messina, Messina, Italy;
Department of Biomedical and Dental Sciences and Morphofunctional Images, University of Messina, Messina, Italy;
Department of Engineering, University of Messina, Messina, Italy;
IRCCS Centro Neurolesi "Bonino Pulejo", Messina, Italy
PUBLISHER: Elsevier Ltd
ISSN: 01677799
CODEN: TRBID
DOCUMENT TYPE: Short Survey

J-[138]

Celesti, A., Fazio, M., Villari, M.
Enabling secure XMPP communications in federated IoT clouds through XEP 0027 and SAML/SASL SSO
(2017) Sensors (Switzerland), 17 (2), art. no. 301, . Cited 2 times.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85011994054&doi=10.3390%2fs17020301&partnerID=40&md5=0511527a5db7d4fa6a8b729bae03a908>
DOI: 10.3390/s17020301
AFFILIATIONS: Scientific Research Organisational Unit, University of Messina, Messina, Italy;
Department of Engineering, University of Messina, Messina, Italy;
IRCCS Centro Neurolesi Bonino Pulejo, Messina, Italy
PUBLISHER: MDPI AG
ISSN: 14248220
DOCUMENT TYPE: Article

J-[137]

Nardelli, M., Nastic, S., Dustdar, S., Villari, M., Ranjan, R.
Osmotic Flow: Osmotic Computing + IoT Workflow
(2017) IEEE Cloud Computing, 4 (2), art. no. 7912282, pp. 68-75. Cited 1 time.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019186519&doi=10.1109%2fMCC.2017.22&partnerID=40&md5=4bfb9cad790165578b33c48a0c6698c8>

DOI: 10.1109/MCC.2017.22

AFFILIATIONS: University of Rome Tor Vergata, Italy;

TU Wien, Austria;

University of Messina, Italy;

Newcastle University, United Kingdom

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 23256095

DOCUMENT TYPE: Article

[136]

Carnevale, L., Celesti, A., Fazio, M., Bramanti, P., Villari, M.

Heart disorder detection with Menard algorithm on Apache Spark

(2017) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 10465 LNCS, pp. 229-237.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-85030678751&doi=10.1007%2f978-3-319-67262-5_17&partnerID=40&md5=5bb163d956c565aff74eeb5e93a6e7e2

DOI: 10.1007/978-3-319-67262-5_17

AFFILIATIONS: Department of Engineering, University of Messina, Messina, Italy;

Scientific Research Organisational Unit, University of Messina, Messina, Italy;

IRCCS Centro Neurolesi "Bonino Pulejo", Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 03029743

ISBN: 9783319672618

DOCUMENT TYPE: Conference Paper

[135]

Massonet, P., Dupont, S., Michot, A., Levin, A., Villari, M.

Enforcement of global security policies in federated cloud networks with virtual network functions

(2016) Proceedings - 2016 IEEE 15th International Symposium on Network Computing and Applications, NCA 2016, art. no. 7778597, pp. 81-84. Cited 1 time.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85010425284&doi=10.1109%2fNCA.2016.7778597&partnerID=40&md5=4a2da07bd9f2812b27fbc91c0aa34733>

DOI: 10.1109/NCA.2016.7778597

AFFILIATIONS: CETIC Research Center, Charleroi, Belgium;

IBM Research Lab, Haifa, Israel;

University of Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9781509032167

DOCUMENT TYPE: Conference Paper

J-[134]

Fazio, M., Bramanti, A., Celesti, A., Bramanti, P., Villari, M.

A hybrid storage service for the management of big e-health data: A tele-rehabilitation case of study (2016) Q2SWinet 2016 - Proceedings of the 12th ACM Symposium on QoS and Security for Wireless and Mobile Networks, co-located with MSWiM 2016, pp. 1-8. Cited 2 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85004010397&doi=10.1145%2f2988272.2988276&partnerID=40&md5=1d72293f7f8efcd1d0022b76704752c3)

[85004010397&doi=10.1145%2f2988272.2988276&partnerID=40&md5=1d72293f7f8efcd1d0022b76704752c3](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85004010397&doi=10.1145%2f2988272.2988276&partnerID=40&md5=1d72293f7f8efcd1d0022b76704752c3)

DOI: 10.1145/2988272.2988276

AFFILIATIONS: Department of Engineering, University of Messina, Contrada di Dio, S. Agata, Messina, Italy; ISASI-CNR-Messina (Italia), Via Torre Bianca-Mortelle, Messina, Italy;

Scientific Research Org. Unit, University of Messina, Via Consolato del Mare, 41, Messina, Italy;

IRCCS Centro Neurolesi, Bonino Pulejo, S.S.113 C/da Casazza, Messina, Italy;

Department of Engineering, University of Messina, Contrada Di Dio, S. Agata, Messina, Italy

PUBLISHER: Association for Computing Machinery, Inc

ISBN: 9781450345040

DOCUMENT TYPE: Conference Paper

J-[133]

Villari, M., Fazio, M., Dustdar, S., Rana, O., Ranjan, R.

Osmotic Computing: A New Paradigm for Edge/Cloud Integration

(2016) IEEE Cloud Computing, 3 (6), art. no. 7802525, pp. 76-83. Cited 14 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009108053&doi=10.1109%2fMCC.2016.124&partnerID=40&md5=2ac0f41ca5e40d2e8e535f33d6711dc4)

[85009108053&doi=10.1109%2fMCC.2016.124&partnerID=40&md5=2ac0f41ca5e40d2e8e535f33d6711dc4](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009108053&doi=10.1109%2fMCC.2016.124&partnerID=40&md5=2ac0f41ca5e40d2e8e535f33d6711dc4)

DOI: 10.1109/MCC.2016.124

AFFILIATIONS: University of Messina, Italy;

TU Wien, Austria;

Cardiff University, United Kingdom;

Newcastle University, United Kingdom

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 23256095

DOCUMENT TYPE: Article

[132]

Villari, M., Celesti, A., Giacobbe, M., Fazio, M.

Enriched E-R model to design hybrid database for big data solutions

(2016) Proceedings - IEEE Symposium on Computers and Communications, 2016-August, art. no. 7543733, pp. 163-166.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985937225&doi=10.1109%2fISCC.2016.7543733&partnerID=40&md5=69285beb8b8500d11d5fdd4d45f2a3d6)

[84985937225&doi=10.1109%2fISCC.2016.7543733&partnerID=40&md5=69285beb8b8500d11d5fdd4d45f2a3d6](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985937225&doi=10.1109%2fISCC.2016.7543733&partnerID=40&md5=69285beb8b8500d11d5fdd4d45f2a3d6)

DOI: 10.1109/ISCC.2016.7543733

AFFILIATIONS: Department of Engineering, University of Messina, Contrada Di Dio, S. Agata, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781509006793

DOCUMENT TYPE: Conference Paper

[131]

Celesti, A., Mulfari, D., Fazio, M., Villari, M., Puliafito, A.

Improving desktop as a Service in OpenStack

(2016) Proceedings - IEEE Symposium on Computers and Communications, 2016-August, art. no. 7543755, pp. 281-288. Cited 1 time.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985911310&doi=10.1109%2fISCC.2016.7543755&partnerID=40&md5=4e51618f5c507520642d986eff4d27bb)

[84985911310&doi=10.1109%2fISCC.2016.7543755&partnerID=40&md5=4e51618f5c507520642d986eff4d27bb](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985911310&doi=10.1109%2fISCC.2016.7543755&partnerID=40&md5=4e51618f5c507520642d986eff4d27bb)

DOI: 10.1109/ISCC.2016.7543755

AFFILIATIONS: Department of Engineering, University of Messina, Contrada di Dio, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781509006793

DOCUMENT TYPE: Conference Paper

[130]

Massonet, P., Dupont, S., Michot, A., Levin, A., Villari, M.

An architecture for securing federated cloud networks with Service Function Chaining

(2016) Proceedings - IEEE Symposium on Computers and Communications, 2016-August, art. no. 7543711, pp. 38-43.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985991416&doi=10.1109%2fISCC.2016.7543711&partnerID=40&md5=ac6bdec3df6481e59951f763335fc357)

[84985991416&doi=10.1109%2fISCC.2016.7543711&partnerID=40&md5=ac6bdec3df6481e59951f763335fc357](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985991416&doi=10.1109%2fISCC.2016.7543711&partnerID=40&md5=ac6bdec3df6481e59951f763335fc357)

DOI: 10.1109/ISCC.2016.7543711

AFFILIATIONS: CETIC Research Center, Charleroi, Belgium;

IBM Research Lab, Haifa, Israel;

University of Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781509006793

DOCUMENT TYPE: Conference Paper

[129]

Mulfari, D., Celesti, A., Fazio, M., Villari, M., Puliafito, A.

Using Google Cloud Vision in assistive technology scenarios

(2016) Proceedings - IEEE Symposium on Computers and Communications, 2016-August, art. no. 7543742, pp. 214-219. Cited 1 time.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985997702&doi=10.1109%2fISCC.2016.7543742&partnerID=40&md5=630b020b18737134d5aeb74c006645fb)

[84985997702&doi=10.1109%2fISCC.2016.7543742&partnerID=40&md5=630b020b18737134d5aeb74c006645fb](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985997702&doi=10.1109%2fISCC.2016.7543742&partnerID=40&md5=630b020b18737134d5aeb74c006645fb)

DOI: 10.1109/ISCC.2016.7543742

AFFILIATIONS: Department of Engineering, University of Messina, Contrada Di Dio, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781509006793

DOCUMENT TYPE: Conference Paper

[128]

Celesti, A., Fazio, M., Celesti, F., Sannino, G., Campo, S., Villari, M.

New trends in Biotechnology: The point on NGS Cloud computing solutions

(2016) Proceedings - IEEE Symposium on Computers and Communications, 2016-August, art. no. 7543751, pp. 267-270. Cited 5 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985906028&doi=10.1109%2fISCC.2016.7543751&partnerID=40&md5=0b93dacd3d3cf2491607ffe04aff310d)

[84985906028&doi=10.1109%2fISCC.2016.7543751&partnerID=40&md5=0b93dacd3d3cf2491607ffe04aff310d](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985906028&doi=10.1109%2fISCC.2016.7543751&partnerID=40&md5=0b93dacd3d3cf2491607ffe04aff310d)

DOI: 10.1109/ISCC.2016.7543751

AFFILIATIONS: Department of Engineering, University of Messina, Italy;

Department of Biomedical and Dental Sciences and Morphofunctional Images, University of Messina, Italy;
Institute for High-Performance Computing and Networking, National Research Council (ICAR-CNR),
Naples, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781509006793

DOCUMENT TYPE: Conference Paper

[127]

Cesaroni, F., Abbate, T., Villari, M.

Future internet: Cloud-based open business models

(2016) Lecture Notes in Information Systems and Organisation, 18, pp. 51-62.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84983070381&doi=10.1007%2f978-3-319-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84983070381&doi=10.1007%2f978-3-319-40265-9_4&partnerID=40&md5=dda7d5527e9525da38e6aaf15a711090)

[40265-9_4&partnerID=40&md5=dda7d5527e9525da38e6aaf15a711090](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84983070381&doi=10.1007%2f978-3-319-40265-9_4&partnerID=40&md5=dda7d5527e9525da38e6aaf15a711090)

DOI: 10.1007/978-3-319-40265-9_4

AFFILIATIONS: Department of Economics, University of Messina, Messina, Italy;

Department of Engineering, University of Messina, Messina, Italy

PUBLISHER: Springer Heidelberg

ISSN: 21954968

DOCUMENT TYPE: Book Chapter

[126]

Celesti, A., Fazio, M., Romano, A., Villari, M.

A hospital cloud-based archival information system for the efficient management of HL7 big data

(2016) 2016 39th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2016 - Proceedings, art. no. 7522177, pp. 406-411. Cited 4 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84983591599&doi=10.1109%2fMIPRO.2016.7522177&partnerID=40&md5=33e2a6f6c7d450ba9cee54acd0559761)

[84983591599&doi=10.1109%2fMIPRO.2016.7522177&partnerID=40&md5=33e2a6f6c7d450ba9cee54acd0559761](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84983591599&doi=10.1109%2fMIPRO.2016.7522177&partnerID=40&md5=33e2a6f6c7d450ba9cee54acd0559761)

DOI: 10.1109/MIPRO.2016.7522177

AFFILIATIONS: Department of Engineering, University of Messina, Contrada di Dio, Messina, Italy
PUBLISHER: Institute of Electrical and Electronics Engineers Inc.
ISBN: 9789532330885
DOCUMENT TYPE: Conference Paper

[125]

Celesti, A., Mulfari, D., Fazio, M., Villari, M., Puliafito, A.
Exploring Container Virtualization in IoT Clouds
(2016) 2016 IEEE International Conference on Smart Computing, SMARTCOMP 2016, art. no. 7501691, .
Cited 15 times.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84979645243&doi=10.1109%2fSMARTCOMP.2016.7501691&partnerID=40&md5=15bef91bb8a67e58ac8ebb4a03c0772d>

DOI: 10.1109/SMARTCOMP.2016.7501691

AFFILIATIONS: Department of Engineering, University of Messina, Contrada Di Dio, Messina, Italy
PUBLISHER: Institute of Electrical and Electronics Engineers Inc.
ISBN: 9781509008988
DOCUMENT TYPE: Conference Paper

[124]

Celesti, A., Fazio, M., Giacobbe, M., Puliafito, A., Villari, M.
Characterizing cloud federation in IoT
(2016) Proceedings - IEEE 30th International Conference on Advanced Information Networking and Applications Workshops, WAINA 2016, art. no. 7471179, pp. 93-98. Cited 18 times.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84979655164&doi=10.1109%2fWAINA.2016.152&partnerID=40&md5=159c3df8165683b02e62c8a306e581e0>

DOI: 10.1109/WAINA.2016.152

AFFILIATIONS: Department of Engineering, University of Messina, Contrada Di Dio, Messina, Italy
PUBLISHER: Institute of Electrical and Electronics Engineers Inc.
ISBN: 9781509018574
DOCUMENT TYPE: Conference Paper

[123]

Panarello, A., Celesti, A., Fazio, M., Puliafito, A., Villari, M.
Costs of a federated and hybrid cloud environment aimed at MapReduce video transcoding
(2016) Proceedings - IEEE Symposium on Computers and Communications, 2016-February, art. no. 7405525, pp. 258-263.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961958986&doi=10.1109%2fISCC.2015.7405525&partnerID=40&md5=a420cdf18813c0a4338c545f9c40cb1c>

DOI: 10.1109/ISCC.2015.7405525

AFFILIATIONS: DICIEAMA, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, Messina, Italy
PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781467371940

DOCUMENT TYPE: Conference Paper

[122]

Giacobbe, M., Celesti, A., Fazio, M., Villari, M., Puliafito, A.

Evaluating a cloud federation ecosystem to reduce carbon footprint by moving computational resources (2016) Proceedings - IEEE Symposium on Computers and Communications, 2016-February, art. no. 7405500, pp. 99-104. Cited 1 time.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961912459&doi=10.1109%2fISCC.2015.7405500&partnerID=40&md5=21a7e60fb2bfc0f4ba4bd8bd4aa05c0f)

[84961912459&doi=10.1109%2fISCC.2015.7405500&partnerID=40&md5=21a7e60fb2bfc0f4ba4bd8bd4aa05c0f](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961912459&doi=10.1109%2fISCC.2015.7405500&partnerID=40&md5=21a7e60fb2bfc0f4ba4bd8bd4aa05c0f)

DOI: 10.1109/ISCC.2015.7405500

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781467371940

DOCUMENT TYPE: Conference Paper

[121]

Giacobbe, M., Celesti, A., Fazio, M., Villari, M., Puliafito, A.

An approach to reduce energy costs through virtual machine migrations in cloud federation (2016) Proceedings - IEEE Symposium on Computers and Communications, 2016-February, art. no. 7405609, pp. 782-787. Cited 3 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961907161&doi=10.1109%2fISCC.2015.7405609&partnerID=40&md5=560af980d9a73dec403dfa4fb8354688)

[84961907161&doi=10.1109%2fISCC.2015.7405609&partnerID=40&md5=560af980d9a73dec403dfa4fb8354688](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961907161&doi=10.1109%2fISCC.2015.7405609&partnerID=40&md5=560af980d9a73dec403dfa4fb8354688)

DOI: 10.1109/ISCC.2015.7405609

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio - 98166, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781467371940

DOCUMENT TYPE: Conference Paper

[120]

Fazio, M., Celesti, A., Marquez, F.G., Glikson, A., Villari, M.

Exploiting the FIWARE cloud platform to develop a remote patient monitoring system (2016) Proceedings - IEEE Symposium on Computers and Communications, 2016-February, art. no. 7405526, pp. 264-270. Cited 10 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961967567&doi=10.1109%2fISCC.2015.7405526&partnerID=40&md5=90d1713b21a2c2e4e1fb8f49c022255e)

[84961967567&doi=10.1109%2fISCC.2015.7405526&partnerID=40&md5=90d1713b21a2c2e4e1fb8f49c022255e](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961967567&doi=10.1109%2fISCC.2015.7405526&partnerID=40&md5=90d1713b21a2c2e4e1fb8f49c022255e)

DOI: 10.1109/ISCC.2015.7405526

AFFILIATIONS: Università Degli Studi di Messina, Italy;

Telefónica, Spain;

IBM Research, Haifa, Israel
PUBLISHER: Institute of Electrical and Electronics Engineers Inc.
ISSN: 15301346
ISBN: 9781467371940
DOCUMENT TYPE: Conference Paper

[119]

Celesti, A., Villari, M.
FrontierCities: Leveraging FIWARE for advantages in smart mobility
(2016) Communications in Computer and Information Science, 567, pp. 450-451.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966586518&partnerID=40&md5=071390ef64a515f959131549bd2ac355>
AFFILIATIONS: DICIEAMA, University of Messina, Contrada Di Dio (S. Agata), Messina, Italy
PUBLISHER: Springer Verlag
ISSN: 18650929
ISBN: 9783319333120
DOCUMENT TYPE: Conference Paper

J-[118]

Celesti, A., Fazio, M., Villari, M., Puliafito, A.
Adding long-term availability, obfuscation, and encryption to multi-cloud storage systems
(2016) Journal of Network and Computer Applications, 59, pp. 208-218. Cited 24 times.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84949785413&doi=10.1016%2fj.jnca.2014.09.021&partnerID=40&md5=665f7b52b3a45579e44ec4e141f7739a>
DOI: 10.1016/j.jnca.2014.09.021
AFFILIATIONS: DICIEAMA, University of Messina S. Agata, Contrada di Dio, Messina, Italy
PUBLISHER: Academic Press
ISSN: 10848045
DOCUMENT TYPE: Article

J-[117]

Villari, M., Al-Anbuky, A., Celesti, A., Moessner, K.
Leveraging the internet of things: Integration of sensors and cloud computing systems
(2016) International Journal of Distributed Sensor Networks, 12 (7), pp. 1-4.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84979681338&doi=10.1177%2f155014779764287&partnerID=40&md5=00a6e521f9eb6ef1825a5ea7e3b06d0f>
DOI: 10.1177/155014779764287
AFFILIATIONS: University of Messina, Contrada di Dio No. 1, Messina, Italy;
School of Engineering, Computer and Mathematical Sciences, Private Bag Box 92006, Auckland, New Zealand;
Institute for Communication Systems, University of Surrey, Guildford, United Kingdom
PUBLISHER: Hindawi Publishing Corporation
ISSN: 15501329

DOCUMENT TYPE: Review

[116]

Massonet, P., Levin, A., Celesti, A., Villari, M.

Security requirements in a federated cloud networking architecture

(2016) Communications in Computer and Information Science, 567, pp. 79-88. Cited 2 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966586562&doi=10.1007%2f978-3-319-33313-7_6&partnerID=40&md5=285801e8db2a7b55323e1d2f41dd13ea

DOI: 10.1007/978-3-319-33313-7_6

AFFILIATIONS: Cetic, Charleroi, Belgium;

HLR, IBM Haifa, Haifa, Israel;

DICIEAMA, University of Messina, Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783319333120

DOCUMENT TYPE: Conference Paper

[115]

Giacobbe, M., Fazio, M., Celesti, A., Abbate, T., Villari, M.

A scientometric analysis of cloud computing and QoE literature to design a cloud platform of experience for digital business

(2016) Communications in Computer and Information Science, 567, pp. 276-288.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966522107&doi=10.1007%2f978-3-319-33313-7_21&partnerID=40&md5=73fdf43fef9e4447eec6e1b97a1e9eb9

DOI: 10.1007/978-3-319-33313-7_21

AFFILIATIONS: University of Messina, Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783319333120

DOCUMENT TYPE: Conference Paper

[114]

Panarello, A., Celesti, A., Fazio, M., Puliafito, A., Villari, M.

A federated system for mapreduce-based video transcoding to face the future massive video-selfie sharing trend

(2016) Communications in Computer and Information Science, 567, pp. 48-62.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966479996&doi=10.1007%2f978-3-319-33313-7_4&partnerID=40&md5=2971bfd7d5c29f417c45f78e40121775

DOI: 10.1007/978-3-319-33313-7_4

AFFILIATIONS: DICIEAMA, University of Messina, Contrada Di Dio (S. Agata), Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783319333120

DOCUMENT TYPE: Conference Paper

J-[113]

Georgakopoulos, D., Jayaraman, P.P., Fazia, M., Villari, M., Ranjan, R.

Internet of Things and Edge Cloud Computing Roadmap for Manufacturing

(2016) IEEE Cloud Computing, 3 (4), art. no. 7571077, pp. 66-73. Cited 6 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84991248061&doi=10.1109%2fMCC.2016.91&partnerID=40&md5=bbea256d2a3bb72fdd6a4cac4f1449b6)

[84991248061&doi=10.1109%2fMCC.2016.91&partnerID=40&md5=bbea256d2a3bb72fdd6a4cac4f1449b6](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84991248061&doi=10.1109%2fMCC.2016.91&partnerID=40&md5=bbea256d2a3bb72fdd6a4cac4f1449b6)

DOI: 10.1109/MCC.2016.91

AFFILIATIONS: Swinburne University of Technology, Australia;

University of Messina, Department of Computer Science, Italy;

School of Computing Science, Newcastle University, United Kingdom

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 23256095

DOCUMENT TYPE: Article

[112]

Mulfari, D., Fazio, M., Celesti, A., Villari, M., Puliafito, A.

Design of an iot cloud system for container virtualization on smart objects

(2016) Communications in Computer and Information Science, 567, pp. 33-47. Cited 4 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966457697&doi=10.1007%2f978-3-319-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966457697&doi=10.1007%2f978-3-319-33313-7_3&partnerID=40&md5=351adbe6270047d3b8444bd93fe3bfd8)

[33313-7_3&partnerID=40&md5=351adbe6270047d3b8444bd93fe3bfd8](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966457697&doi=10.1007%2f978-3-319-33313-7_3&partnerID=40&md5=351adbe6270047d3b8444bd93fe3bfd8)

DOI: 10.1007/978-3-319-33313-7_3

AFFILIATIONS: DICIEAMA, University of Messina, Contrada Di Dio, Sant'Agata, Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783319333120

DOCUMENT TYPE: Conference Paper

[111]

Celesti, A., Levin, A., Massonet, P., Schour, L., Villari, M.

Federated networking services in multiple openstack clouds

(2016) Communications in Computer and Information Science, 567, pp. 338-352. Cited 3 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966602556&doi=10.1007%2f978-3-319-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966602556&doi=10.1007%2f978-3-319-33313-7_26&partnerID=40&md5=44f1ed607a202545e8cabd370057aae5)

[33313-7_26&partnerID=40&md5=44f1ed607a202545e8cabd370057aae5](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966602556&doi=10.1007%2f978-3-319-33313-7_26&partnerID=40&md5=44f1ed607a202545e8cabd370057aae5)

DOI: 10.1007/978-3-319-33313-7_26

AFFILIATIONS: DICIEAMA, University of Messina, Messina, Italy;

HLR, IBM Haifa, Haifa, Israel;

Cetic, Charleroi, Belgium

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783319333120

DOCUMENT TYPE: Conference Paper

[110]

Barreto, L., Celesti, A., Villari, M., Fazio, M., Puliafito, A.

Security and IoT cloud federation: Design of authentication schemes
(2016) Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, 169, pp. 337-346. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85000742209&doi=10.1007%2f978-3-319-47063-4_35&partnerID=40&md5=2d8b3fed98d5f135bb8c79f1cbf0a0d9
DOI: 10.1007/978-3-319-47063-4_35
AFFILIATIONS: Federal University of Santa Catarina, Florianópolis, Brazil;
Università, Degli Studi di Messina, Messina, Italy
PUBLISHER: Springer Verlag
ISSN: 18678211
ISBN: 9783319470627
DOCUMENT TYPE: Conference Paper

J-[109]

Fazio, M., Celesti, A., Ranjan, R., Liu, C., Chen, L., Villari, M.
Open Issues in Scheduling Microservices in the Cloud
(2016) IEEE Cloud Computing, 3 (5), art. no. 7742215, pp. 81-88. Cited 3 times.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84996569901&doi=10.1109%2fMCC.2016.112&partnerID=40&md5=d52198bb1cc22e10b6f9e5e3d6df7c95>
DOI: 10.1109/MCC.2016.112
AFFILIATIONS: University of Messina, Italy;
Newcastle University, Italy;
IBM Research, Italy
PUBLISHER: Institute of Electrical and Electronics Engineers Inc.
ISSN: 23256095
DOCUMENT TYPE: Article

[108]

Andronico, G., Bua, F., Fargetta, M., Giorgio, E., Guglielmo, A., Monforte, S., Paone, M., Villari, M.
Networking introspection and analysis for virtual machine migration in federated clouds
(2016) Communications in Computer and Information Science, 567, pp. 353-362.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966649654&doi=10.1007%2f978-3-319-33313-7_27&partnerID=40&md5=d7be0633cc935f146db8bc5884239a60
DOI: 10.1007/978-3-319-33313-7_27
AFFILIATIONS: Istituto Nazionale di Fisica Nucleare, Sezione di Catania, Catania, Italy;
Università degli Studi di Messina, Messina, Italy
PUBLISHER: Springer Verlag
ISSN: 18650929
ISBN: 9783319333120
DOCUMENT TYPE: Conference Paper

[107]

Moreno-Vozmediano, R., Huedo, E., Llorente, I.M., Montero, R.S., Massonet, P., Villari, M., Merlino, G., Celesti, A., Levin, A., Schour, L., Vázquez, C., Melis, J., Spahr, S., Whigham, D.

BEACON: A cloud network federation framework

(2016) *Communications in Computer and Information Science*, 567, pp. 325-337. Cited 7 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966687575&doi=10.1007%2f978-3-319-33313-7_25&partnerID=40&md5=b9151e00d686a6cefbe7a054e95dad57

DOI: 10.1007/978-3-319-33313-7_25

AFFILIATIONS: Universidad Complutense de Madrid, Madrid, Spain;

Centre D'excellence en Technologies de L'information et de la Communication (CETIC), Charleroi, Belgium;

Università di Messina, Messina, Italy;

IBM Israel - Science and Technology Ltd, Petah Tikva, Israel;

OpenNebula Systems, Madrid, Spain;

Lufthansa Systems, Kelsterbach, Germany;

Flexiant Limited, London, United Kingdom

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783319333120

DOCUMENT TYPE: Conference Paper

[106]

Barreto, L., Celesti, A., Villari, M., Fazio, M., Puliafito, A.

Identity management in IoT Clouds: A FIWARE case of study

(2015) 2015 IEEE Conference on Communications and NetworkSecurity, CNS 2015, art. no. 7346887, pp. 680-684. Cited 1 time.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966283599&doi=10.1109%2fCNS.2015.7346887&partnerID=40&md5=203be7fc18438e5015304c2311a68f4c)

[84966283599&doi=10.1109%2fCNS.2015.7346887&partnerID=40&md5=203be7fc18438e5015304c2311a68f4c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84966283599&doi=10.1109%2fCNS.2015.7346887&partnerID=40&md5=203be7fc18438e5015304c2311a68f4c)

DOI: 10.1109/CNS.2015.7346887

AFFILIATIONS: Federal University of Santa Catarina, Brazil;

Università Degli Studi di Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9781467378765

DOCUMENT TYPE: Conference Paper

J-[105]

Giacobbe, M., Celesti, A., Fazio, M., Villari, M., Puliafito, A.

Towards energy management in Cloud federation: A survey in the perspective of future sustainable and cost-saving strategies

(2015) *Computer Networks*, 91, pp. 438-452. Cited 16 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84942572921&doi=10.1016%2fj.comnet.2015.08.031&partnerID=40&md5=c3ef7bb1b3a629119d370417a5d5f628)

[84942572921&doi=10.1016%2fj.comnet.2015.08.031&partnerID=40&md5=c3ef7bb1b3a629119d370417a5d5f628](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84942572921&doi=10.1016%2fj.comnet.2015.08.031&partnerID=40&md5=c3ef7bb1b3a629119d370417a5d5f628)

DOI: 10.1016/j.comnet.2015.08.031

AFFILIATIONS: DICIEAMA, S. Agata, University of Messina Contrada di Dio, Messina, Italy

PUBLISHER: Elsevier

ISSN: 13891286

CODEN: CNETD

DOCUMENT TYPE: Article

[104]

Giacobbe, M., Celesti, A., Fazio, M., Villari, M., Puliafito, A.

A sustainable energy-aware resource management strategy for IoT Cloud federation

(2015) 1st IEEE International Symposium on Systems Engineering, ISSE 2015 - Proceedings, art. no. 7302751, pp. 170-175. Cited 6 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84954467207&doi=10.1109%2fSysEng.2015.7302751&partnerID=40&md5=fb82635f096b1a884d6383d3779e120)

[84954467207&doi=10.1109%2fSysEng.2015.7302751&partnerID=40&md5=fb82635f096b1a884d6383d3779e120](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84954467207&doi=10.1109%2fSysEng.2015.7302751&partnerID=40&md5=fb82635f096b1a884d6383d3779e120)

DOI: 10.1109/SysEng.2015.7302751

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9781479919208

DOCUMENT TYPE: Conference Paper

[103]

Barreto, L., Celesti, A., Villari, M., Fazio, M., Puliafito, A.

An authentication model for IoT clouds

(2015) Proceedings of the 2015 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining, ASONAM 2015, pp. 1032-1035. Cited 6 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84962591743&doi=10.1145%2f2808797.2809361&partnerID=40&md5=53b04288989da5908759f3bc2ab253b1)

[84962591743&doi=10.1145%2f2808797.2809361&partnerID=40&md5=53b04288989da5908759f3bc2ab253b1](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84962591743&doi=10.1145%2f2808797.2809361&partnerID=40&md5=53b04288989da5908759f3bc2ab253b1)

DOI: 10.1145/2808797.2809361

AFFILIATIONS: Federal University of Santa Catarina, Brazil;

Università degli Studi di Messina, Italy

PUBLISHER: Association for Computing Machinery, Inc

ISBN: 9781450338547

DOCUMENT TYPE: Conference Paper

[102]

Fazio, M., Villari, M.

Preface of CLIoT

(2015) Communications in Computer and Information Science, 508, pp. 73-75.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924214258&doi=10.1007%2f978-3-319-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924214258&doi=10.1007%2f978-3-319-14886-1_8&partnerID=40&md5=ad5fd257957abc44c68eb2b886780c1d)

[14886-1_8&partnerID=40&md5=ad5fd257957abc44c68eb2b886780c1d](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924214258&doi=10.1007%2f978-3-319-14886-1_8&partnerID=40&md5=ad5fd257957abc44c68eb2b886780c1d)

DOI: 10.1007/978-3-319-14886-1_8

AFFILIATIONS: University of Messina, Messina, Italy;

University of Derby, Derby, United Kingdom

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783319148854

DOCUMENT TYPE: Conference Paper

[101]

Fazio, M., Celesti, A., Puliafito, A., Villari, M.

Big data storage in the cloud for smart environment monitoring

(2015) *Procedia Computer Science*, 52 (1), pp. 500-506. Cited 15 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84939210846&doi=10.1016%2fj.procs.2015.05.023&partnerID=40&md5=037ddfea2eb41b852df7848d)

[84939210846&doi=10.1016%2fj.procs.2015.05.023&partnerID=40&md5=037ddfea2eb41b852df7848d](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84939210846&doi=10.1016%2fj.procs.2015.05.023&partnerID=40&md5=037ddfea2eb41b852df7848d)
bbfcfa83

DOI: 10.1016/j.procs.2015.05.023

AFFILIATIONS: University of Messina, C.da Di Dio-Sant'Agata, Messina, Italy

PUBLISHER: Elsevier B.V.

ISSN: 18770509

DOCUMENT TYPE: Conference Paper

ACCESS TYPE: Open Access

[100]

Dustdar, S., Leymann, F., Villari, M.

Preface

(2015) *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 9306, pp. V-VI.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84944789761&partnerID=40&md5=b30d67931aee21307aec0bfdaf958286)

[84944789761&partnerID=40&md5=b30d67931aee21307aec0bfdaf958286](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84944789761&partnerID=40&md5=b30d67931aee21307aec0bfdaf958286)

PUBLISHER: Springer Verlag

ISSN: 03029743

ISBN: 9783319240718

DOCUMENT TYPE: Editorial

[99]

Villari, M., Celesti, A., Fazio, M., Puliafito, A.

AllJoyn Lambda: An architecture for the management of smart environments in IoT

(2015) *Proceedings of 2014 International Conference on Smart Computing Workshops, SMARTCOMP Workshops 2014*, art. no. 7046676, pp. 9-14. Cited 32 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925596503&doi=10.1109%2fSMARTCOMP-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925596503&doi=10.1109%2fSMARTCOMP-W.2014.7046676&partnerID=40&md5=9731aad4e55d210a8b1eeb4deadc078d)

[W.2014.7046676&partnerID=40&md5=9731aad4e55d210a8b1eeb4deadc078d](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925596503&doi=10.1109%2fSMARTCOMP-W.2014.7046676&partnerID=40&md5=9731aad4e55d210a8b1eeb4deadc078d)

DOI: 10.1109/SMARTCOMP-W.2014.7046676

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio, S. Agata, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9781479964475

DOCUMENT TYPE: Conference Paper

[98]

Villari, M., Celesti, A., Fazio, M., Puliafito, A.

A secure self-identification mechanism for enabling iot devices to join cloud computing

(2015) *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST*, 151, pp. 306-311. Cited 3 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-84945566551&doi=10.1007%2f978-3-319-19743-2_41&partnerID=40&md5=ece4e1b9e3f909097aa957d18a73c4b

DOI: 10.1007/978-3-319-19743-2_41

AFFILIATIONS: University of Messina, DICIEAMA, Contrada Di Dio (S. Agata), Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 18678211

ISBN: 9783319197425

DOCUMENT TYPE: Conference Paper

J-[97]

Puliafito, A., Celesti, A., Villari, M., Fazio, M.

Towards the integration between IoT and cloud computing: An approach for the secure self-configuration of embedded devices

(2015) International Journal of Distributed Sensor Networks, 2015, art. no. 286860, . Cited 3 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84955514398&doi=10.1155%2f2015%2f286860&partnerID=40&md5=105c1adbd6c79b91e2f8eb4cf8596a8a)

[84955514398&doi=10.1155%2f2015%2f286860&partnerID=40&md5=105c1adbd6c79b91e2f8eb4cf8596a8a](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84955514398&doi=10.1155%2f2015%2f286860&partnerID=40&md5=105c1adbd6c79b91e2f8eb4cf8596a8a)

DOI: 10.1155/2015/286860

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio, Sant'Agata, Messina, Italy

PUBLISHER: Hindawi Limited

ISSN: 15501329

DOCUMENT TYPE: Article

[96]

Mulfari, D., Celesti, A., Fazio, M., Villari, M.

Human-computer interface based on IoT embedded systems for users with disabilities

(2015) Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, 150, pp. 376-383. Cited 1 time.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-84948823302&doi=10.1007%2f978-3-319-19656-5_50&partnerID=40&md5=b8696555c2a4d2c52fe62bff9a4c7e6d

DOI: 10.1007/978-3-319-19656-5_50

AFFILIATIONS: DICIEAMA, University of Messina, Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 18678211

ISBN: 9783319196558

DOCUMENT TYPE: Conference Paper

J-[95]

Mulfari, D., Celesti, A., Villari, M., Puliafito, A.

Providing assistive technology applications as a service through cloud computing

(2015) Assistive Technology, 27 (1), pp. 44-51. Cited 5 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84929069699&doi=10.1080%2f10400435.2014.963258&partnerID=40&md5=c8da4c230c09914caeb7e877911e72cc)

[84929069699&doi=10.1080%2f10400435.2014.963258&partnerID=40&md5=c8da4c230c09914caeb7e877911e72cc](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84929069699&doi=10.1080%2f10400435.2014.963258&partnerID=40&md5=c8da4c230c09914caeb7e877911e72cc)

DOI: 10.1080/10400435.2014.963258

AFFILIATIONS: DICIEAMA, University of Messina, Messina, Italy

PUBLISHER: Taylor and Francis Inc.

ISSN: 10400435

CODEN: ASTEF

DOCUMENT TYPE: Article

[94]

Mulfari, D., Celesti, A., Fazio, M., Villari, M.

An approach to evaluate applications running on web-based remote virtual machines in cloud computing (2015) Communications in Computer and Information Science, 508, pp. 106-117. Cited 2 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924205013&doi=10.1007%2f978-3-319-14886-1_11&partnerID=40&md5=666274c7ef1aebdd19808747b711c074

DOI: 10.1007/978-3-319-14886-1_11

AFFILIATIONS: DICIEAMA, University of Messina, Contrada Di Dio, Sant'Agata-Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783319148854

DOCUMENT TYPE: Conference Paper

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Mulfari, D., Celesti, A., Villari, M.

A computer system architecture providing a user-friendly man machine interface for accessing assistive technology in cloud computing

(2015) Journal of Systems and Software, 100, pp. 129-138. Cited 10 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84919346819&doi=10.1016%2fj.jss.2014.10.035&partnerID=40&md5=fe0e8478bfb5e5acfeb95dd3fac3b443)

[84919346819&doi=10.1016%2fj.jss.2014.10.035&partnerID=40&md5=fe0e8478bfb5e5acfeb95dd3fac3b443](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84919346819&doi=10.1016%2fj.jss.2014.10.035&partnerID=40&md5=fe0e8478bfb5e5acfeb95dd3fac3b443)

DOI: 10.1016/j.jss.2014.10.035

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio, S. Agata, Messina, Italy

PUBLISHER: Elsevier Inc.

ISSN: 01641212

CODEN: JSSOD

DOCUMENT TYPE: Article

[92]

Dustdar, S., Leymann, F., Villari, M.

Service Oriented and Cloud Computing: 4th European Conference, ESOC 2015 Taormina, Italy, September 15-17, 2015 Proceedings

(2015) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 9306, pp. V-VI.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84944810917&doi=10.1007%2f978-3-319-24072-5&partnerID=40&md5=acb1c093b4893ca2bf395a791aa1a160>

DOI: 10.1007/978-3-319-24072-5

AFFILIATIONS: Distributed Systems Group, TU Wien, Austria;

Institute of Architecture of Application Systems, University of Stuttgart, Baden-Württemberg, Germany;

University of Messina, Messina, Italy
PUBLISHER: Springer Verlag
ISSN: 03029743
ISBN: 9783319240718
DOCUMENT TYPE: Conference Paper

[91]

Fazio, M., Celesti, A., Villari, M., Puliafito, A.

How to enhance cloud architectures to enable cross-federation: Towards interoperable storage providers (2015) Proceedings - 2015 IEEE International Conference on Cloud Engineering, IC2E 2015, art. no. 7092964, pp. 480-486. Cited 5 times.

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[84944327909&doi=10.1109%2fIC2E.2015.80&partnerID=40&md5=0357fb11b967fd153a4a22e9ecf7932c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84944327909&doi=10.1109%2fIC2E.2015.80&partnerID=40&md5=0357fb11b967fd153a4a22e9ecf7932c)

DOI: 10.1109/IC2E.2015.80

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio n. 1, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9781479982189

DOCUMENT TYPE: Conference Paper

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Tai, H., Celesti, A., Fazio, M., Villari, M., Puliafito, A.

An integrated system for advanced water risk management based on cloud computing and IoT (2015) 2015 2nd World Symposium on Web Applications and Networking, WSWAN 2015, art. no. 7210305, . Cited 4 times.

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[84943329754&doi=10.1109%2fWSWAN.2015.7210305&partnerID=40&md5=e83b2f1c80267726a858faab5d7ff92c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84943329754&doi=10.1109%2fWSWAN.2015.7210305&partnerID=40&md5=e83b2f1c80267726a858faab5d7ff92c)

DOI: 10.1109/WSWAN.2015.7210305

AFFILIATIONS: DICIEAMA, University of Messina Contrada di Dio, S. Agata, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9781479981717

DOCUMENT TYPE: Conference Paper

[89]

Andronico, G., Fargetta, M., Monforte, S., Paone, M., Villari, M.

Creating and managing dynamic cloud federations

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[84988735422&partnerID=40&md5=b85779a5d6a5bef34a73564cfa36a1bc](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84988735422&partnerID=40&md5=b85779a5d6a5bef34a73564cfa36a1bc)

AFFILIATIONS: Istituto Nazionale di Fisica Nucleare, Sezione di Catania, Italy;

Università degli Studi di Messina, Italy

PUBLISHER: Proceedings of Science (PoS)

ISSN: 18248039

DOCUMENT TYPE: Conference Paper

[88]

Giacobbe, M., Celesti, A., Fazio, M., Villari, M., Puliafito, A.

An approach to reduce carbon dioxide emissions through virtual machine migrations in a sustainable cloud federation

(2015) 2015 Sustainable Internet and ICT for Sustainability, SustainIT 2015, art. no. 7101383, . Cited 10 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84933566741&doi=10.1109%2fSustainIT.2015.7101383&partnerID=40&md5=9547c0e0523c267fbbd6c7f283aee579)

[84933566741&doi=10.1109%2fSustainIT.2015.7101383&partnerID=40&md5=9547c0e0523c267fbbd6c7f283aee579](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84933566741&doi=10.1109%2fSustainIT.2015.7101383&partnerID=40&md5=9547c0e0523c267fbbd6c7f283aee579)

DOI: 10.1109/SustainIT.2015.7101383

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9783901882708

DOCUMENT TYPE: Conference Paper

[87]

Mulfari, D., Celesti, A., Fazio, M., Villari, M., Puliafito, A.

Embedded systems for supporting computer accessibility

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[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84951979292&doi=10.3233%2f978-1-61499-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84951979292&doi=10.3233%2f978-1-61499-566-1-378&partnerID=40&md5=40c21f0f04dedc14aa5785633373783e)

[566-1-378&partnerID=40&md5=40c21f0f04dedc14aa5785633373783e](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84951979292&doi=10.3233%2f978-1-61499-566-1-378&partnerID=40&md5=40c21f0f04dedc14aa5785633373783e)

DOI: 10.3233/978-1-61499-566-1-378

AFFILIATIONS: DICIEAMA, Faculty of Engineering, University of Messina, Italy

PUBLISHER: IOS Press

ISSN: 09269630

ISBN: 9781614995654

DOCUMENT TYPE: Conference Paper

J-[86]

Longo, F., Bruneo, D., Villari, M., Puliafito, A., Salant, E., Wolfsthal, Y.

Towards the future internet: The RESERVOIR, VISION cloud, and CloudWave experiences

(2015) International Journal of High Performance Computing and Networking, 8 (3), pp. 235-247. Cited 4 times.

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[84940376740&doi=10.1504%2fIJHPCN.2015.071260&partnerID=40&md5=eaeb93bb0c41b504ae879901ccfb0e9b](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84940376740&doi=10.1504%2fIJHPCN.2015.071260&partnerID=40&md5=eaeb93bb0c41b504ae879901ccfb0e9b)

DOI: 10.1504/IJHPCN.2015.071260

AFFILIATIONS: Università degli Studi di Messina, Contrada di Dio, S.Agata, Messina, Italy;

IBM R and D Labs in Israel, University of Haifa Campus, Mount Carmel, Haifa, Israel

PUBLISHER: Inderscience Enterprises Ltd.

ISSN: 17400562

DOCUMENT TYPE: Article

[85]

Mulfari, D., Celesti, A., Fazio, M., Villari, M., Puliafito, A.

Using embedded systems to spread assistive technology on multiple devices in smart environments
(2014) Proceedings - 2014 IEEE International Conference on Bioinformatics and Biomedicine, IEEE BIBM
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84922829691&doi=10.1109%2fBIBM.2014.6999234&partnerID=40&md5=cae1d651b1bdb56be5a334
dce1f20eea

DOI: 10.1109/BIBM.2014.6999234

AFFILIATIONS: DICIEAMA, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata,
Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9781479956692

DOCUMENT TYPE: Conference Paper

[84]

Longo, F., Bruneo, D., Villari, M., Puliafito, A., Salant, E., Wolfsthal, Y.

From VISION cloud to cloudwave: Towards the future internet and a new generation of services
(2014) Proceedings - 2014 International Conference on Intelligent Networking and Collaborative Systems,
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84946689379&doi=10.1109%2fINCoS.2014.34&partnerID=40&md5=055dc9821aede8fb76042e7d609
61b3b

DOI: 10.1109/INCoS.2014.34

AFFILIATIONS: Università Degli Studi di Messina, Italy;

IBM, Haifa Research Lab, Israel

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9781479963867

DOCUMENT TYPE: Conference Paper

[83]

Andronico, G., Fargetta, M., Monforte, S., Paone, M., Villari, M.

A Model for accomplishing and managing dynamic cloud federations
(2014) Proceedings - 2014 IEEE/ACM 7th International Conference on Utility and Cloud Computing, UCC
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84946688926&doi=10.1109%2fUCC.2014.121&partnerID=40&md5=f960c39a84f882208de501c3bcdcc
011

DOI: 10.1109/UCC.2014.121

AFFILIATIONS: Istituto Nazionale di Fisica Nucleare, Sezione di Catania, Catania, Italy;
Università Degli Studi di Messina, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9781479978816

DOCUMENT TYPE: Conference Paper

[82]

Villari, M., Zimmermann, W., Lau, K.-K.

Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics): Preface

(2014) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 8745 LNCS, pp. V-VI.

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84907077409&partnerID=40&md5=d5e4f3a22ef357341e4634457673aa89

AFFILIATIONS: Università di Messina, Dip. di Ingegneria Civile, Informatica, Edile, Ambientale e Matematica Applicata (DICIEAMA), C.Da Di Dio, No.1, 98166 Messina, Italy;

Martin-Luther-Universität Halle-Wittenberg, Institut für Informatik, V.-Seckendorff-Platz, 06099 Halle (Saale), Germany;

University of Manchester, School of Computer Science, Oxford Road, Manchester M13 9PL, United Kingdom

PUBLISHER: Springer Verlag

ISSN: 03029743

ISBN: 9783662448786

DOCUMENT TYPE: Editorial

[81]

Fazio, M., Celesti, A., Villari, M., Puliafito, A.

Resource management in cloud federation using XMPP

(2014) Proceedings - 2014 IEEE 13th International Symposium on Network Computing and Applications, NCA 2014, art. no. 6924206, pp. 67-70.

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84911095717&doi=10.1109%2fNCA.2014.15&partnerID=40&md5=ce3cd58ea142d11ed8a0ab6eb7f7ec99

DOI: 10.1109/NCA.2014.15

AFFILIATIONS: DICIEAMA Department, University of Messina, Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISBN: 9781479953936

DOCUMENT TYPE: Conference Paper

[80]

Fazio, M., Celesti, A., Villari, M., Puliafito, A.

The need of a hybrid storage approach for IoT in PaaS cloud federation

(2014) Proceedings - 2014 IEEE 28th International Conference on Advanced Information Networking and Applications Workshops, IEEE WAINA 2014, art. no. 6844734, pp. 779-784. Cited 13 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904497804&doi=10.1109%2fWAINA.2014.162&partnerID=40&md5=0a4faf9db2d60f8131e227bcfe810ac3)

84904497804&doi=10.1109%2fWAINA.2014.162&partnerID=40&md5=0a4faf9db2d60f8131e227bcfe810ac3

DOI: 10.1109/WAINA.2014.162

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

PUBLISHER: IEEE Computer Society

ISBN: 9781479926527

DOCUMENT TYPE: Conference Paper

[79]

Foschini, L., Kantarci, B., Villari, M.

4th IEEE workshop on management of cloud systems (MoCS 2014)

(2014) Proceedings - International Symposium on Computers and Communications, Workshops, art. no. 6912640, .

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[84908131714&doi=10.1109%2fISCC.2014.6912640&partnerID=40&md5=702921506f9a4a5422b1c27d09c98300](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84908131714&doi=10.1109%2fISCC.2014.6912640&partnerID=40&md5=702921506f9a4a5422b1c27d09c98300)

DOI: 10.1109/ISCC.2014.6912640

AFFILIATIONS: Università di Bologna, Italy;

University of Ottawa, Canada;

Università di Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781479942770

DOCUMENT TYPE: Editorial

[78]

Celesti, A., Fazio, M., Puliafito, A., Villari, M.

Automating the Hadoop configuration for easy setup in resilient cloud systems

(2014) Proceedings - International Symposium on Computers and Communications, Workshops, art. no. 6912631, . Cited 1 time.

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[84908144447&doi=10.1109%2fISCC.2014.6912631&partnerID=40&md5=f47b103f8003dd8a7711573acf1a9d5e](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84908144447&doi=10.1109%2fISCC.2014.6912631&partnerID=40&md5=f47b103f8003dd8a7711573acf1a9d5e)

DOI: 10.1109/ISCC.2014.6912631

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio, S. Agata, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781479942770

DOCUMENT TYPE: Conference Paper

J-[77]

Fazio, M., Puliafito, A., Villari, M.

IoT4S: A new architecture to exploit sensing capabilities in smart cities

(2014) International Journal of Web and Grid Services, 10 (2-3), pp. 114-138. Cited 4 times.

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[84898621642&partnerID=40&md5=2592a3891b38a175cf52aede04a4bd95](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84898621642&partnerID=40&md5=2592a3891b38a175cf52aede04a4bd95)

AFFILIATIONS: Faculty of Engineering, University of Messina, Messina, Italy

PUBLISHER: Inderscience Enterprises Ltd.

ISSN: 17411106

DOCUMENT TYPE: Article

[76]

Mulfari, D., Celesti, A., Villari, M., Puliafito, A.

Using Virtualization and noVNC to Support Assistive Technology in Cloud Computing
(2014) Proceedings - IEEE 3rd Symposium on Network Cloud Computing and Applications, NCCA 2014,
art. no. 06786774, pp. 125-132. Cited 9 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84899451390&doi=10.1109%2fNCCA.2014.28&partnerID=40&md5=91b616867b5a7a55e277a4dce8942f11)

[84899451390&doi=10.1109%2fNCCA.2014.28&partnerID=40&md5=91b616867b5a7a55e277a4dce8942f11](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84899451390&doi=10.1109%2fNCCA.2014.28&partnerID=40&md5=91b616867b5a7a55e277a4dce8942f11)

DOI: 10.1109/NCCA.2014.28

AFFILIATIONS: DICIEAMA, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166
Messina, Italy

PUBLISHER: IEEE Computer Society

DOCUMENT TYPE: Conference Paper

J-[75]

Fazio, M., Celesti, A., Puliafito, A., Villari, M.

An integrated system for advanced multi-risk management based on Cloud for IoT

(2014) Advances in Intelligent Systems and Computing, 260, pp. 253-269. Cited 6 times.

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[03992-3_18&partnerID=40&md5=2dfc85f6536674b664815c070ab486df](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84903747682&doi=10.1007%2f978-3-319-03992-3_18&partnerID=40&md5=2dfc85f6536674b664815c070ab486df)

DOI: 10.1007/978-3-319-03992-3_18

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 21945357

DOCUMENT TYPE: Article

[74]

Panarello, A., Fazio, M., Celesti, A., Puliafito, A., Villari, M.

Cloud federation to elastically increase mapreduce processing resources

(2014) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and
Lecture Notes in Bioinformatics), 8806, pp. 97-108. Cited 2 times.

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[84920102191&partnerID=40&md5=a9330c1afd8bd7627e115103eba5988b](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84920102191&partnerID=40&md5=a9330c1afd8bd7627e115103eba5988b)

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio, S. Agata, Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 03029743

ISBN: 9783319143125

DOCUMENT TYPE: Conference Paper

[73]

Panarello, A., Celesti, A., Fazio, M., Villari, M., Puliafito, A.

A requirements analysis for IaaS cloud federation

(2014) CLOSER 2014 - Proceedings of the 4th International Conference on Cloud Computing and Services
Science, pp. 584-589. Cited 9 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902319762&partnerID=40&md5=002d2d3b47c28f5b08a119a113572a22)

[84902319762&partnerID=40&md5=002d2d3b47c28f5b08a119a113572a22](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902319762&partnerID=40&md5=002d2d3b47c28f5b08a119a113572a22)

AFFILIATIONS: DICIEAMA, Università degli Studi di Messina, Contrada Di Dio, S. Agata 98166, Messina, Italy

PUBLISHER: SciTePress

ISBN: 9789897580192

DOCUMENT TYPE: Conference Paper

[72]

Bruneo, D., Fritz, T., Keidar-Barner, S., Leitner, P., Longo, F., Marquezan, C., Metzger, A., Pohl, K., Puliafito, A., Raz, D., Roth, A., Salant, E., Segall, I., Villari, M., Wolfsthal, Y., Woods, C.

CloudWave: Where adaptive cloud management meets DevOps

(2014) Proceedings - International Symposium on Computers and Communications, Workshops, art. no. 6912638, . Cited 17 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84908149098&doi=10.1109%2fISCC.2014.6912638&partnerID=40&md5=ab47a4d28e308f6cb7ff507d118eb7eb)

[84908149098&doi=10.1109%2fISCC.2014.6912638&partnerID=40&md5=ab47a4d28e308f6cb7ff507d118eb7eb](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84908149098&doi=10.1109%2fISCC.2014.6912638&partnerID=40&md5=ab47a4d28e308f6cb7ff507d118eb7eb)

DOI: 10.1109/ISCC.2014.6912638

AFFILIATIONS: Università Degli Studi di Messina, Italy;

Intel, Ireland;

Technion University, Israel;

University of Zurich, Switzerland;

University of Duisburg-Essen, Germany;

IBM, Haifa Research Lab, Israel;

SAP, Germany

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781479942770

DOCUMENT TYPE: Conference Paper

[71]

Celesti, A., Puliafito, A., Tusa, F., Villari, M.

Towards energy sustainability in federated and interoperable clouds

(2013) Sustainable Practices: Concepts, Methodologies, Tools, and Applications, 1, pp. 279-301. Cited 3 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84944881496&doi=10.4018%2f978-1-4666-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84944881496&doi=10.4018%2f978-1-4666-4852-4.ch015&partnerID=40&md5=4d4661b4b889e65e59155bf6b4fbd470)

[4852-4.ch015&partnerID=40&md5=4d4661b4b889e65e59155bf6b4fbd470](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84944881496&doi=10.4018%2f978-1-4666-4852-4.ch015&partnerID=40&md5=4d4661b4b889e65e59155bf6b4fbd470)

DOI: 10.4018/978-1-4666-4852-4.ch015

AFFILIATIONS: University of Messina, Italy

PUBLISHER: IGI Global

ISBN: 9781466648531; 146664852X; 9781466648524

DOCUMENT TYPE: Book Chapter

J-[70]

Villari, M., Celesti, A., Fazio, M., Puliafito, A.

Evaluating a file fragmentation system for multi-provider cloud storage

(2013) Scalable Computing, 14 (4), pp. 265-277. Cited 8 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84893473994&doi=10.12694%2fscpe.v14i4.932&partnerID=40&md5=bd7b812b56fa74ca67371ebc2187757b>

DOI: 10.12694/scpe.v14i4.932

AFFILIATIONS: DICIEMA, University of Messina, C.Da Di Dio 1, 98166, Messina, Italy

ISSN: 18951767

DOCUMENT TYPE: Article

J-[69]

Fazio, M., Celesti, A., Puliafito, A., Villari, M.

A message oriented middleware for cloud computing to improve efficiency in risk management systems (2013) Scalable Computing, 14 (4), pp. 201-213. Cited 4 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84893492162&doi=10.12694%2fscpe.v14i4.928&partnerID=40&md5=d7487debac2e82ee49ac044f1e6a7513>

DOI: 10.12694/scpe.v14i4.928

AFFILIATIONS: DICIEAMA, University of Messina, Contrada Di Dio, 98166 Sant'Agata, Italy

ISSN: 18951767

DOCUMENT TYPE: Article

[68]

Fazio, M., Puliafito, A., Villari, M.

An event-based service for sensing data provisioning in the cloud (2013) 4th IMEKO TC19 Symposium on Environmental Instrumentation and Measurements 2013: Protection Environment, Climate Changes and Pollution Control, pp. 140-145. Cited 1 time.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84893348125&partnerID=40&md5=c449bed0ac30a9011dcdce55e0fd9c47>

AFFILIATIONS: Universita' di Messina, Contrada di Dio, S. Agata, 98166, Messina, Italy

ISBN: 9781629931067

DOCUMENT TYPE: Conference Paper

[67]

Mulfari, D., Celesti, A., Villari, M., Puliafito, A.

Using virtualization and guacamole/VNC to provide adaptive user interfaces to disabled people in cloud computing

(2013) Proceedings - IEEE 10th International Conference on Ubiquitous Intelligence and Computing, UIC 2013 and IEEE 10th International Conference on Autonomic and Trusted Computing, ATC 2013, art. no. 06726193, pp. 72-79. Cited 6 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84894211393&doi=10.1109%2fUIC-ATC.2013.42&partnerID=40&md5=711408d3cc764df8bdba323ab6806720>

DOI: 10.1109/UIC-ATC.2013.42

AFFILIATIONS: DICIEAMA, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

ISBN: 9781479924813

DOCUMENT TYPE: Conference Paper

J-[66]

Formisano, C., Kolodner, E.K., Shulman-Peleg, A., Travaglino, E., Vernik, G., Villari, M.

Delegation across storage clouds: On-boarding federation as a case study

(2013) Scalable Computing, 14 (4), pp. 291-306. Cited 1 time.

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84893446101&doi=10.12694%2fscpe.v14i4.934&partnerID=40&md5=79f49e3b7f0103e0e608d7aac649849d

DOI: 10.12694/scpe.v14i4.934

AFFILIATIONS: Dept. of DICIEMA, University of Messina, Italy;

IBM Haifa Research Lab, Israel;

Engineering Ingegneria Informatica SPA, Italy

ISSN: 18951767

DOCUMENT TYPE: Article

[65]

Vernik, G., Shulman-Peleg, A., Dippl, S., Formisano, C., Jaeger, M.C., Kolodner, E.K., Villari, M.

Data On-boarding in federated storage clouds

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84897732152&doi=10.1109%2fCLOUD.2013.54&partnerID=40&md5=48f77719b3e89c95224c30235e77435d

DOI: 10.1109/CLOUD.2013.54

AFFILIATIONS: IBM Haifa Research Lab, Israel;

Siemens Corporate Research and Technologies, Israel;

Engineering Ingegneria Informatica, SPA, Israel;

University of Messina, Israel

ISSN: 21596182

DOCUMENT TYPE: Conference Paper

[64]

Celesti, A., Fazio, M., Villari, M., Puliafito, A., Mulfari, D.

Remote and deep attestations to mitigate threats in Cloud Mash-Up services

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84887868343&doi=10.1109%2fWCCIT.2013.6618763&partnerID=40&md5=144b2c9d571d92c829180e864932d6b3

DOI: 10.1109/WCCIT.2013.6618763

AFFILIATIONS: DICIEMA, University of Messina, Contrada di Dio, S. Agata, 98166, Italy

ISBN: 9781479904600

DOCUMENT TYPE: Conference Paper

[63]

Celesti, A., Puliafito, A., Tusa, F., Villari, M.

Towards energy sustainability in federated and interoperable clouds

(2013) Communication Infrastructures for Cloud Computing, pp. 329-350.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-8490455210&doi=10.4018%2f978-1-4666-4522-6.ch015&partnerID=40&md5=0280d47a1a8a9d112bbc362475d40bf9>

DOI: 10.4018/978-1-4666-4522-6.ch015

AFFILIATIONS: Faculty of Engineering, University of Messina, Italy

PUBLISHER: IGI Global

ISBN: 9781466645233; 1466645229; 9781466645226

DOCUMENT TYPE: Book Chapter

[62]

Celesti, A., Puliafito, A., Tusa, F., Villari, M.

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[84884470490&partnerID=40&md5=114055b38764717de3be03e5e65eeced](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84884470490&partnerID=40&md5=114055b38764717de3be03e5e65eeced)

AFFILIATIONS: Università Degli Studi di Messina, Facoltà di Ingegneria, Contrada di Dio, S. Agata, 98166 Messina, Italy

ISBN: 9789898565525

DOCUMENT TYPE: Conference Paper

J-[61]

Tusa, F., Paone, M., Puliafito, A., Villari, M.

How to exploit grid infrastructures for federated cloud purposes with CLEVER

(2013) International Journal of Computational Science and Engineering, 8 (3), pp. 253-268. Cited 2 times.

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[84880990272&doi=10.1504%2fIJCSE.2013.055355&partnerID=40&md5=aab84168fc591147e5e0b22076072818](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84880990272&doi=10.1504%2fIJCSE.2013.055355&partnerID=40&md5=aab84168fc591147e5e0b22076072818)

DOI: 10.1504/IJCSE.2013.055355

AFFILIATIONS: Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

ISSN: 17427185

DOCUMENT TYPE: Article

[60]

Mulfari, D., Celesti, A., Villari, M., Puliafito, A.

How cloud computing can support on-demand assistive services

(2013) W4A 2013 - International Cross-Disciplinary Conference on Web Accessibility, art. no. a27, . Cited 13 times.

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[84879815302&doi=10.1145%2f2461121.2461140&partnerID=40&md5=1949637c313c757d555b7c521ddf1eaa](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84879815302&doi=10.1145%2f2461121.2461140&partnerID=40&md5=1949637c313c757d555b7c521ddf1eaa)

DOI: 10.1145/2461121.2461140

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

ISBN: 9781450318440

DOCUMENT TYPE: Conference Paper

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Massonet, P., Michot, A., Naqvi, S., Villari, M., Latanicki, J.

Securing the external interfaces of a federated infrastructure cloud

(2013) IT Policy and Ethics: Concepts, Methodologies, Tools, and Applications, 3-3, pp. 1876-1903. Cited 8 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84944761063&doi=10.4018%2f978-1-4666-2919-6.ch082&partnerID=40&md5=2d450410cd54b35e7ba746839e0a843a>

DOI: 10.4018/978-1-4666-2919-6.ch082

AFFILIATIONS: Centre d'Excellence en Technologies de l'Information et de la Communication, Belgium;
University of Messina, Italy;

Thales Services, France

PUBLISHER: IGI Global

ISBN: 9781466629202; 1466629193; 9781466629196

DOCUMENT TYPE: Book Chapter

[58]

Barresi, G., Villari, M.

How small and medium healthcare assistance structures should leverage cloud computing technology for optimizing their processes and reducing costs

(2013) Lecture Notes in Information Systems and Organisation, 2, pp. 235-246.

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DOI: 10.1007/978-3-642-37228-5_23

AFFILIATIONS: University of Messina, Piazza Pugliatti I, Messina, Italy

PUBLISHER: Springer Heidelberg

ISSN: 21954968

DOCUMENT TYPE: Book Chapter

[57]

Canal, C., Villari, M.

Advances in Service-Oriented and Cloud Computing: Workshops of ESOC 2013, Málaga, Spain, September 11-13, 2013, Revised Selected Papers

(2013) Communications in Computer and Information Science, 393 CCIS, . Cited 2 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904632451&doi=10.1007%2f978-3-642-45364-9&partnerID=40&md5=87fae32bfd02499dc72a96ea08532376>

DOI: 10.1007/978-3-642-45364-9

AFFILIATIONS: GISUM Software Engineering Group, Universidad de Málaga, Spain;

University of Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783642453632

DOCUMENT TYPE: Conference Paper

[56]

Canal, C., Villari, M.

Preface

(2013) Communications in Computer and Information Science, 393 CCIS, pp. V-VII.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904618978&doi=10.1007%2f978-3-642-45364-9&partnerID=40&md5=fd579f5b93fc57da07a93185f3119070>

DOI: 10.1007/978-3-642-45364-9

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783642453632

DOCUMENT TYPE: Editorial

[55]

Villari, M., Kyriazis, D.

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<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904601946&doi=10.1007%2f978-3-642-45364-9&partnerID=40&md5=9a7c24739d210f72f40a92701f29ae2e>

DOI: 10.1007/978-3-642-45364-9

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783642453632

DOCUMENT TYPE: Editorial

[54]

Fazio, M., Celesti, A., Villari, M.

Design of a Message-Oriented Middleware for Cooperating Clouds

(2013) Communications in Computer and Information Science, 393 CCIS, pp. 25-36. Cited 5 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904675913&doi=10.1007%2f978-3-642-45364-9_3&partnerID=40&md5=70e3dbc530fd2f53b3927d94b46c9285

DOI: 10.1007/978-3-642-45364-9_3

AFFILIATIONS: DICIEAMA, University of Messina, Contrada Di Dio, Sant'Agata, 98166 Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783642453632

DOCUMENT TYPE: Conference Paper

[53]

Celesti, A., Fazio, M., Villari, M.

SE CLEVER: A secure message oriented Middleware for Cloud federation

(2013) Proceedings - International Symposium on Computers and Communications, art. no. 6754919, pp. 35-40. Cited 20 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84897400964&doi=10.1109%2fISCC.2013.6754919&partnerID=40&md5=b3b2161d408d271a14a4d695e4d9a8f0>

DOI: 10.1109/ISCC.2013.6754919

AFFILIATIONS: DICIEAMA, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

PUBLISHER: Institute of Electrical and Electronics Engineers Inc.

ISSN: 15301346

ISBN: 9781479937554

DOCUMENT TYPE: Conference Paper

[52]

Villari, M., Celesti, A., Tusa, F., Puliafito, A.

Data Reliability in Multi-provider Cloud Storage Service with RRNS

(2013) Communications in Computer and Information Science, 393 CCIS, pp. 83-93. Cited 11 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-84893464515&doi=10.1007%2f978-3-642-45364-9_8&partnerID=40&md5=3507fead686208a3ddb8f9a600766c48

DOI: 10.1007/978-3-642-45364-9_8

AFFILIATIONS: DICIEAMA, University of Messina, C.Da Di Dio 1, 98166 Messina, Italy

PUBLISHER: Springer Verlag

ISSN: 18650929

ISBN: 9783642453632

DOCUMENT TYPE: Conference Paper

[51]

Celesti, A., Peditto, N., Verboso, F., Villari, M., Puliafito, A.

DRACO PaaS: A distributed resilient adaptable cloud oriented platform

(2013) Proceedings - IEEE 27th International Parallel and Distributed Processing Symposium Workshops and PhD Forum, IPDPSW 2013, art. no. 6651043, pp. 1490-1497. Cited 17 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84899723935&doi=10.1109%2fIPDPSW.2013.266&partnerID=40&md5=d2ff15a760a0764a0323679a7e69de37>

DOI: 10.1109/IPDPSW.2013.266

AFFILIATIONS: DICIEAMA, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

PUBLISHER: IEEE Computer Society

DOCUMENT TYPE: Conference Paper

[50]

Kolodner, E.K., Shulman-Peleg, A., Vernik, G., Formisano, C., Villari, M.

Delegation for On-boarding Federation Across Storage Clouds

(2013) Communications in Computer and Information Science, 393 CCIS, pp. 59-70.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904650512&doi=10.1007%2f978-3-642-45364-9_6&partnerID=40&md5=8d515009da5ab6801e732e2d335fa9f7

DOI: 10.1007/978-3-642-45364-9_6

AFFILIATIONS: IBM Haifa Research Lab, Israel;

Engineering Ingegneria Informatica SPA, Italy;
Dept. of DICIEMA, University of Messina, Italy
PUBLISHER: Springer Verlag
ISSN: 18650929
ISBN: 9783642453632
DOCUMENT TYPE: Conference Paper

[49]

Celesti, A., Tusa, F., Villari, M., Puliafito, A.

How the Dataweb can support cloud federation: Service representation and secure data exchange
(2012) Proceedings - IEEE 2nd Symposium on Network Cloud Computing and Applications, NCCA 2012,
art. no. 6472461, pp. 73-79. Cited 16 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84875618191&doi=10.1109%2fNCCA.2012.26&partnerID=40&md5=5e911776c5eb6dbc87a404a9f0a52caa)

[84875618191&doi=10.1109%2fNCCA.2012.26&partnerID=40&md5=5e911776c5eb6dbc87a404a9f0a52caa](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84875618191&doi=10.1109%2fNCCA.2012.26&partnerID=40&md5=5e911776c5eb6dbc87a404a9f0a52caa)

DOI: 10.1109/NCCA.2012.26

AFFILIATIONS: DICIEMA, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166
Messina, Italy

ISBN: 9780769549439

DOCUMENT TYPE: Conference Paper

B-[48]

Villari, M., Brandic, I., Tusa, F.

Achieving federated and self-manageable cloud infrastructures: Theory and practice

(2012) Achieving Federated and Self-Manageable Cloud Infrastructures: Theory and Practice, pp. 1-463.
Cited 2 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84878295236&doi=10.4018%2f978-1-4666-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84878295236&doi=10.4018%2f978-1-4666-1631-8&partnerID=40&md5=6e8a9677183b0eb793306808397953a4)

[1631-8&partnerID=40&md5=6e8a9677183b0eb793306808397953a4](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84878295236&doi=10.4018%2f978-1-4666-1631-8&partnerID=40&md5=6e8a9677183b0eb793306808397953a4)

DOI: 10.4018/978-1-4666-1631-8

AFFILIATIONS: Università Degli Studi di Messina, Italy;
Distributed Systems Group, Information Systems Institute, Vienna University of Technology (TU Wien),
Austria;

MDSLab Computer Engineering group, Università Degli Studi di Messina, Italy

PUBLISHER: IGI Global

ISBN: 9781466616318

DOCUMENT TYPE: Book

[47]

Villari, M., Brandic, I., Tusa, F.

Preface

(2012) Achieving Federated and Self-Manageable Cloud Infrastructures: Theory and Practice, pp. xix-xxiv.

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[1631-8&partnerID=40&md5=a9ae2f53048c0326a50288335f0d04c5](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84898559376&doi=10.4018%2f978-1-4666-1631-8&partnerID=40&md5=a9ae2f53048c0326a50288335f0d04c5)

DOI: 10.4018/978-1-4666-1631-8

AFFILIATIONS: Università Degli Studi di Messina, Italy;

Distributed Systems Group, Information Systems Institute, Vienna University of Technology (TU Wien), Austria;

MDSLab Computer Engineering group, Università Degli Studi di Messina, Italy

PUBLISHER: IGI Global

ISBN: 9781466616318

DOCUMENT TYPE: Editorial

[46]

Tusa, F., Paone, M., Villari, M.

CLEVER: A cloud middleware beyond the federation

(2012) Achieving Federated and Self-Manageable Cloud Infrastructures: Theory and Practice, pp. 219-241.

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<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84898567064&doi=10.4018%2f978-1-4666-1631-8.ch012&partnerID=40&md5=bb0334273c6813dad7d7066e2cc55b42>

DOI: 10.4018/978-1-4666-1631-8.ch012

AFFILIATIONS: Università degli Studi di Messina, Italy

PUBLISHER: IGI Global

ISBN: 9781466616318

DOCUMENT TYPE: Book Chapter

[45]

Celesti, A., Tusa, F., Villari, M.

Toward cloud federation: Concepts and challenges

(2012) Achieving Federated and Self-Manageable Cloud Infrastructures: Theory and Practice, pp. 1-17.

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<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84898563353&doi=10.4018%2f978-1-4666-1631-8.ch001&partnerID=40&md5=12c3512a747f6e715566d1143c22348c>

DOI: 10.4018/978-1-4666-1631-8.ch001

AFFILIATIONS: Università Degli Studi di Messina, Italy;

MDSLab Computer Engineering group, Università Degli Studi di Messina, Italy

PUBLISHER: IGI Global

ISBN: 9781466616318

DOCUMENT TYPE: Book Chapter

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Fazio, M., Paone, M., Puliafito, A., Villari, M.

Heterogeneous sensors become homogeneous things in smart cities

(2012) Proceedings - 6th International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing, IMIS 2012, art. no. 6296952, pp. 775-780. Cited 30 times.

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DOI: 10.1109/IMIS.2012.136

AFFILIATIONS: Faculty of Engineering, University of Messina, Messina, Italy

ISBN: 9780769546841

DOCUMENT TYPE: Conference Paper

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Celesti, A., Tusa, F., Villari, M., Puliafito, A.

Integration of CLEVER clouds with third party software systems through a REST web service interface (2012) Proceedings - IEEE Symposium on Computers and Communications, art. no. 6249403, pp. 000827-000832. Cited 20 times.

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[84866613066&doi=10.1109%2fISCC.2012.6249403&partnerID=40&md5=af36f0db7617f608063728685f9501a8](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84866613066&doi=10.1109%2fISCC.2012.6249403&partnerID=40&md5=af36f0db7617f608063728685f9501a8)

DOI: 10.1109/ISCC.2012.6249403

AFFILIATIONS: Dept. of Mathematics, Faculty of Engineering, University of Messina, 98166 Messina, Italy

ISSN: 15301346

ISBN: 9781467327121

DOCUMENT TYPE: Conference Paper

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Villari, M., Longo, F., Paone, M., Tusa, F., Jaeger, M.C.

How a structured testbed enables the rapid development and deployment of cloud services: The VISION Cloud use case

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[84866596171&doi=10.1109%2fISCC.2012.6249402&partnerID=40&md5=c7cdf914930dc8044d9e55f82eb92edd](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84866596171&doi=10.1109%2fISCC.2012.6249402&partnerID=40&md5=c7cdf914930dc8044d9e55f82eb92edd)

DOI: 10.1109/ISCC.2012.6249402

AFFILIATIONS: Dipartimento di Matematica, Università Degli Studi di Messina, Viale F. Stagno d'Alcontres, 31, 98166 Messina, Italy;

Siemens AG, Corporate Research and Technologies, D-80200 Munich, Germany

ISSN: 15301346

ISBN: 9781467327121

DOCUMENT TYPE: Conference Paper

[41]

Villari, M., Tusa, F., Celesti, A., Puliafito, A.

How to federate VISION clouds through SAML/Shibboleth authentication

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DOI: 10.1007/978-3-642-33427-6_22

AFFILIATIONS: Dept. of Mathematics, Faculty of Engineering, University of Messina, Viale F. D'Alcontres 31, 98166, Messina, Italy

ISSN: 03029743

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DOCUMENT TYPE: Conference Paper

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Huge amount of heterogeneous sensed data needs the cloud

(2012) International Multi-Conference on Systems, Signals and Devices, SSD 2012 - Summary Proceedings, art. no. 6198117, . Cited 17 times.

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ecf529cf

DOI: 10.1109/SSD.2012.6198117

AFFILIATIONS: Faculty of Engineering, University of Messina, Messina, Italy

ISBN: 9781467315906

DOCUMENT TYPE: Conference Paper

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Fazio, M., Paone, M., Puliafito, A., Villari, M.

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[84859077478&partnerID=40&md5=70085816187efef11bf92274f82a9ba0](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84859077478&partnerID=40&md5=70085816187efef11bf92274f82a9ba0)

AFFILIATIONS: Faculty of Engineering, University of Messina, Messina, Italy

ISSN: 11785608

DOCUMENT TYPE: Article

J-[38]

Celesti, A., Fazio, M., Villari, M., Puliafito, A.

Virtual machine provisioning through satellite communications in federated Cloud environments

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d988d3c5

DOI: 10.1016/j.future.2011.05.021

AFFILIATIONS: Department of Mathematics, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166, Messina, Italy

ISSN: 0167739X

CODEN: FGCSE

DOCUMENT TYPE: Article

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Massonet, P., Naqvi, S., Ponsard, C., Latanicki, J., Rochwerger, B., Villari, M.

A monitoring and audit logging architecture for data location compliance in federated cloud infrastructures

(2011) IEEE International Symposium on Parallel and Distributed Processing Workshops and Phd Forum, art. no. 6009009, pp. 1510-1517. Cited 34 times.

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DOI: 10.1109/IPDPS.2011.304

AFFILIATIONS: Centre d'Excellence en Technologies de l'Information et de la Communication (CETIC), Belgium;

Thales Theresis, France;

IBM Haifa Research Lab., Israel;

University of Messina, Italy

ISBN: 9780769543857

DOCUMENT TYPE: Conference Paper

J-[36]

Celesti, A., Villari, M., Puliafito, A.

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DOI: 10.1007/s13174-011-0038-7

AFFILIATIONS: Department of Mathematics, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

ISSN: 18674828

DOCUMENT TYPE: Article

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Tusa, F., Paone, M., Villari, M., Puliafito, A.

CLEVER: A cloud cross-computing platform leveraging GRID resources

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DOI: 10.1109/UCC.2011.65

AFFILIATIONS: Università degli Studi di Messina, Facoltà di Ingegneria, Contrada di Dio, S. Agata, 98166 Messina, Italy

ISBN: 9780769545929

DOCUMENT TYPE: Conference Paper

[34]

Celesti, A., Salici, A., Villari, M., Puliafito, A.

A remote attestation approach for a secure virtual machine migration in federated cloud environments

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DOI: 10.1109/NCCA.2011.23

AFFILIATIONS: Dept. of Mathematics, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

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DOCUMENT TYPE: Conference Paper

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Fazio, M., Villari, M., Puliafito, A.

Sensing technologies for Homeland Security in cloud environments

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DOI: 10.1109/ICSensT.2011.6136955

AFFILIATIONS: Faculty of Engineering, University of Messina, Messina, Italy

ISSN: 21568065

ISBN: 9781457701672

DOCUMENT TYPE: Conference Paper

[32]

Celesti, A., Tusa, F., Villari, M., Puliafito, A.

An approach to enable cloud service providers to arrange IaaS, PaaS, and SaaS using external virtualization infrastructures

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DOI: 10.1109/SERVICES.2011.92

AFFILIATIONS: Dept. of Mathematics, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

ISBN: 9780769544618

DOCUMENT TYPE: Conference Paper

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Tusa, F., Celesti, A., Paone, M., Villari, M., Puliafito, A.

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DOI: 10.1109/ISCC.2011.5984011

AFFILIATIONS: Dept. of Mathematics, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

ISSN: 15301346

ISBN: 9781457706783

DOCUMENT TYPE: Conference Paper

J-[30]

Rochwerger, B., Breitgand, D., Epstein, A., Hadas, D., Loy, I., Nagin, K., Tordsson, J., Ragusa, C., Villari, M., Clayman, S., Levy, E., Maraschini, A., Massonet, P., Muñoz, H., Tofetti, G.

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DOI: 10.1109/MC.2011.64

AFFILIATIONS: IBM Haifa Research Lab, Israel;

Umeå University, Sweden;

University of Messina, Italy;

University College London, United Kingdom;

SAP Research, Israel;

Telespazio, Italy;

CETIC, Belgium;

Telefónica I+D, Spain;

University of Lugano, Switzerland

ISSN: 00189162

CODEN: CPTRB

DOCUMENT TYPE: Article

[29]

Rochwerger, B., Vázquez, C., Breitgand, D., Hadas, D., Villari, M., Massonet, P., Levy, E., Galis, A., Llorente, I.M., Montero, R.S., Wolfsthal, Y., Nagin, K., Larsson, L., Galán, F.

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DOI: 10.1002/9780470940105.ch15

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Department of Computing Science, University Umea, Sweden;
Telefónica I+D, Emilio Vargas, Madrid, 28043, Spain
PUBLISHER: John Wiley and Sons
ISBN: 9780470887998
DOCUMENT TYPE: Book Chapter

[28]

Celesti, A., Tusa, F., Villari, M., Puliafito, A.
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DOI: 10.1109/INTERNET.2010.20
AFFILIATIONS: Dept. of Mathematics, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy
ISBN: 9780769541853
DOCUMENT TYPE: Conference Paper

[27]

Massonet, P., Naqvi, S., Tusa, F., Villari, M., Latanicki, J.
Mitigating security threats to large-scale cross border virtualization infrastructures
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DOI: 10.1007/978-3-642-12636-9_5
AFFILIATIONS: Centre d'Excellence en Technologies de l'Information et de la Communication, Belgium;
Università degli Studi di Messina, Facoltà di Ingegneria, Italy;
Thales, France
ISSN: 18678211
ISBN: 3642126359; 9783642126352
DOCUMENT TYPE: Conference Paper

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DOI: 10.1109/NCA.2010.16

AFFILIATIONS: Dept. of Mathematics, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

ISBN: 9780769541181

DOCUMENT TYPE: Conference Paper

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Celesti, A., Villari, M., Puliafito, A.

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78349266142&doi=10.1109%2fISIAS.2010.5604072&partnerID=40&md5=cbb5f8eadf26381d83c6aab21752599c

DOI: 10.1109/ISIAS.2010.5604072

AFFILIATIONS: Dept. of Mathematics, Faculty of Engineering, University of Messina Contrada di Dio, S. Agata, 98166 Messina, Italy

ISBN: 9781424474080

DOCUMENT TYPE: Conference Paper

[24]

Celesti, A., Tusa, F., Villari, M., Puliafito, A.

How to enhance cloud architectures to enable cross-federation

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DOI: 10.1109/CLOUD.2010.46

AFFILIATIONS: Università degli Studi di Messina, Facoltà di Ingegneria, Contrada di Dio, S. Agata, 98166 Messina, Italy

ISBN: 9780769541303

DOCUMENT TYPE: Conference Paper

[23]

Celesti, A., Tusa, F., Villari, M., Puliafito, A.

Three-phase Cross-Cloud federation model: The Cloud SSO authentication

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DOI: 10.1109/AFIN.2010.23

AFFILIATIONS: Dept. of Mathematics, Faculty of Engineering, University of Messina, Contrada di Dio, S. Agata, 98166 Messina, Italy

ISBN: 9780769540917

DOCUMENT TYPE: Conference Paper

[22]

Giacobbe, M., Puliafito, A., Villari, M.

A service oriented system for fleet management and traffic monitoring

(2010) Proceedings - IEEE Symposium on Computers and Communications, art. no. 5546553, pp. 784-786.

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DOI: 10.1109/ISCC.2010.5546553

AFFILIATIONS: Faculty of Engineering, University of Messina, Contrada Di Dio (s. Agata), 98166 Messina (ME), Italy

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ISBN: 9781424477555

DOCUMENT TYPE: Conference Paper

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Tusa, F., Paone, M., Villari, M., Puliafito, A.

CLEVER: A cloud-enabled virtual environment

(2010) Proceedings - IEEE Symposium on Computers and Communications, art. no. 5546555, pp. 477-482.

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DOI: 10.1109/ISCC.2010.5546555

AFFILIATIONS: Università Degli Studi di Messina, Facoltà di Ingegneria, Contrada di Dio, S. Agata, 98166 Messina, Italy

ISSN: 15301346

ISBN: 9781424477555

DOCUMENT TYPE: Conference Paper

[20]

Celesti, A., Tusa, F., Villari, M., Puliafito, A.

Security and cloud computing: Intercloud identity management infrastructure

(2010) Proceedings of the Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises, WETICE, art. no. 5541971, pp. 263-265. Cited 62 times.

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DOI: 10.1109/WETICE.2010.49

AFFILIATIONS: Dept. of Mathematics, Faculty of Engineering, University of Messina Contrada di Dio, S. Agata, 98166 Messina, Italy

ISSN: 15244547

ISBN: 9780769540634

CODEN: PETEF

DOCUMENT TYPE: Conference Paper

[19]

Celesti, A., Villari, M., Puliafito, A.

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DOI: 10.1145/1787275.1787305

AFFILIATIONS: Dept. of Mathematics, Faculty of Engineering, University of Messina, Italy

ISBN: 9781450300445

DOCUMENT TYPE: Conference Paper

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DOI: 10.3233/978-1-60750-539-6-127

AFFILIATIONS: Thales - Theresis, France;

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Università degli Studi di Messina, Facoltà di Ingegneria, Italy

PUBLISHER: IOS Press

ISBN: 9781607505389

DOCUMENT TYPE: Book Chapter

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AFFILIATIONS: Università Degli Studi di Messina, Italy

PUBLISHER: IGI Global

ISSN: 19473532

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DOI: 10.1109/ISCC.2009.5202280

AFFILIATIONS: Università degli Studi di Messina, Facoltà di Ingegneria, Contrada di Dio, 98166 Messina, Italy

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AFFILIATIONS: Università degli Studi di Messina, Facoltà di Ingegneria, Contrada di Dio, S. Agata, 98166 Messina, Italy

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AFFILIATIONS: Università di Messina, Italy

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AFFILIATIONS: Università di Messina, Facolta' di Ingegneria, Contrada di Dio, S. Agata, 98166 Messina, Italy

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DOI: 10.1109/AINA.2006.350

AFFILIATIONS: Computer Science and Engineering, Indian Institute of Technology, Guwahati, Guwahati, 781039, India;

Università di Messina, Dipartimento di Matematica, Contrada di Dio, S. Agata, 98166 Messina, Italy

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AFFILIATIONS: Dipartimento di Matematica, Università di Messina, Contrada Papardo-Salita Sperone, 31, 98166 Messina, Italy

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Department of Computer Engineering, University of Messina, Italy;

University of Messina, Italy

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AFFILIATIONS: Computer Science and Engineering, Indian Institute of Technology, Guwahati, Guwahati, 781039, India;

Università di Messina, Dipartimento di Matematica, Contrada di Dio, S. Agata, 98166 Messina, Italy

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AFFILIATIONS: Department of Computer Science and Engineering, Indian Institute of Technology, Guwahati, India;

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AFFILIATIONS: Università di Messina, Dipto. di Matemat. Contrada Papardo, Salita Sperone, Messina, Italy
ISSN: 15301346

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AFFILIATIONS: Università di Messina, Dipartimento di Matematica, Contrada Papardo, S. Sperone, 98166 Messina, Italy

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DOI: 10.1109/ISCC.2003.1214184

AFFILIATIONS: Department of Mathematics, Messina University, Contrada Papardo, Salita Sperone, 98166 Messina, Italy

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AFFILIATIONS: University of Messina, Department of Mathematics, Contrada Papardo, Salita Sperone, 98166 Messina, Italy

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AFFILIATIONS: Università di Messina, Dipartimento di Matematica, Contrada Papardo, S.Speroni, 98166 Messina, Italy

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DOI: 10.1109/PIMRC.2002.1046573

DOI: 10.1109/PIMRC.2002.1046573

AFFILIATIONS: STMicroelectronics, AST Catania Lab. Digital Still Camera and Multimedia Mobile Group, St.le Primosole Catania, Italy;

Università di Messina, Dipartimento di Matematica Contrada Papardo, S.Sperone, 98166 Messina, Italy

ISBN: 0780375890; 9780780375895

DOCUMENT TYPE: Conference Paper

[01]

Iannizzotto, G., Villari, M., Vita, L.

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AFFILIATIONS: Department of Mathematics, University of Messina, C.da Papardo, Salita Sperone, Messina, Italy;

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