

PERSONAL INFORMATION

Emanuele Bellini

-  via Palazzo dei Diavoli 36/c, 50142 Firenze (Italy)
 (+39) 328 6785095
 belliniema@gmail.com
 Skype emanuele.bellini | ORCID 0000-0002-7878-8710

Sex Male | Date of birth 15/03/1979 | Nationality Italian

WORK EXPERIENCE

04/08/2019–Present

Assistant Professor

University of Campania "Vanvitelli", Caserta (Italy)

Research in Distributed Ledger Technology and Resilience of Cyber-Physical Systems.

Lecturer in Distributed and Concurrent programming

Lecturer in Informatics

01/09/2019–31/12/2019

Consultant

Emirates ICT Innovation Center - EBTIC, Abu Dhabi (United Arab Emirates)

Analysis and design of blockchain-based solutions for Telcos

01/06/2015–Present

President

LOGOS Research & Innovation (RI) Association, Florence (Italy)

Integrated research on Safety and Security, Human Reliability, Desing4all

Grants: e-Kinesys (2017), SensiRISK (2016)

01/01/2012–28/07/2019

Innovation Manager

Mathema s.r.l., Florence (Italy)

Blockchain-based Dapp, Smart City, Smart Mobility, IoT, VR/AR, EU project management:

FP7-JamToday, H2020-REPLICATE, H2020-CloudSoket, H2020-Cyber-Trust, E-SHARES

01/01/2014–Present

Senior scientist

PIN Prato - MoSIS Lab, Prato (Italy)

Risk Ontology, Risk and resilience indicators, Statistical Information Systems, Open Data quality, Data Value Network Analysis, Risk and data communication, Satellite images processing.

- Open Data portal EXPO 2015
- Open Spending - Bank of Italy - www.soldipubblici.it
- Automatic asbestos detection - City of Prato

01/09/2009–Present

Technical Coordinator

Italian Ministry of Cultural Heritage - National Central Library of Florence, Florence (Italy)

Coordination of Italian National Bibliography Number (NBN) service for National Legal Deposit of digital objects - www.depositolegale.it

01/11/2018–06/02/2019

Visiting Research Fellow

Khalifa University - Center of Cyber-Physical Systems, Abu Dhabi (United Arab Emirates)
Blockchain-based Distributed Trust and Reputational Systems, CyberPhysical system analysis

01/01/2005–31/12/2017

Scientific consultant

- e-Gov and social payments - CGI Rotterdam - (Netherlands)
- e-Learning and content chunking - Space SPA - Prato (Italy)
- GIS/Satellite images processing- Medina NGO - Leon (Nicaragua)

01/10/2018–31/12/2018

Researcher

Consorzio Interuniversitario per l'Informatica (CINI), Rome (Italy)
Big Data as a service, H2020 TOREADOR project

01/04/2018–01/06/2018

EC funded project reviewer

European Commission, Luxembourg (Luxembourg)
Review and evaluation of research and innovation EC funded projects

01/02/2017–31/12/2018

Lecturer at Master in Risk Engineering and Management

Steinbeis University Berlin - STI Advanced Risk Technologies, Stuttgart (Germany)
- Risk communication, Complex System, Big Data and Resilience

01/05/2015–30/06/2018

Deputy Coordinator

University of Florence - Distributed Systems and Internet Technology lab (DISIT), Florence (Italy)
Coordinator of H2020 - RESOLUTE - Resilience management guidelines and Operationalization applied to Urban Transport Environment, Resilience Engineering, Critical Infrastructure Protection, Decision Support System, Smart City, Risk/Resilience Ontology

01/01/2015–30/06/2015

Innovation Officer

Your Future s.r.l., Milan (Italy)
Big Data and Social CRM application scouting
Artificial Intelligence solutions

01/01/2012–31/12/2016

Lecturer at II level Master in Digital Libraries and archives

University of Florence, Florence (Italy)
Information Systems, digital archives, XML and documentaries languages, persistent identifiers, metadata

01/01/2012–31/03/2015

Research fellow

University of Florence - Statistics Informatics Application dept. (DISIA), Florence (Italy)
Open Data and GIS, Data-driven Decision Support System, Data Value Chain, Smart city , Statistical Information System.

01/01/2011–31/12/2014

Lecturer

University of Florence, Florence (Italy)

- Digital Humanities course (DILEF Dept.)
- Database and programming languages course (DINFO Dept.)

01/05/2011–30/04/2012	Researcher Centro Interuniversitario di Ricerca sul Turismo (CIRT), Florence (Italy) Complex Statistical Information Systems, Open Data Value Network Analysis, Data Journalism, Infographics.	
01/09/2006–31/12/2014	Scientist & Project manager Fondazione Rinascimento Digitale - Fondazione Cassa di Risparmio di Firenze, Florence (Italy) Digital preservation, Persistent Identifiers, OAIS, Trusted Digital Repositories, Projects: FP6-DigitalPreservationEurope, FP7-APARSEN, PSP-ECLAP, PSP-EUROPEANA Fashion.	
01/01/2007–20/11/2012	PhD student - Research fellow University of Florence - Information Engineering dept. - Distributed Systems and Internet Technology lab (DISIT), Florence (Italy) Resilience Engineering, Complex System analysis, Knowledge management, Smart City, Automatic Data Quality assessment, GRID/parallel programming and processing,	
01/09/2005–01/03/2006	Human-Machine Interaction designer DigitasLBi, Milan (Italy) Reach Internet Application (RIA) Design, evaluation re-design of UX and interaction for LG mobile and e-banking portal for Fineco.	
02/10/2004–31/08/2006	Founder and CEO EBComm Design, Florence (Italy) <ul style="list-style-type: none">■ Software application design and development for assurance companies■ Human Computer Interaction design	
01/01/2000–01/10/2004	Software engineer Powersoft s.r.l., Signa (Italy) Automatic Tracking vehicles/fleets software application, real time Flexible Public Transport solutions for ATM (Milan), advanced GIS/satellite applications.	
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EDUCATION AND TRAINING		
30/06/2019	IATA Cybersecurity Masterclass for Entrepreneurs Florence (Italy)	
27/03/2019–29/03/2019	Certificate in Hyperledger Fabric Network Administrator ALTOROS, Paolo Alto (United States) Blockchain network and chaincode implementation	EQF level 8
01/01/2017–Present	Data Science specialization Johns Hopkins University Coursera Certified course - ongoing	EQF level 8
01/11/2008–30/11/2012	Doctorate in Telematics and Information Society University of Florence, Florence (Italy)	EQF level 8

Open Archive, Data & Metadata quality assessment, parallel computing, multimedia content distribution, complex digital objects, knowledge management

01/09/2001–11/04/2006	M.Sc. In Communication Science cum laude University of Siena, Siena (Italy) Human reliability analysis (HRA), User Centered Design, Human Computer Interaction, Cognitive Science, Neuroergonomics, Communication Theory, Social Science.	EQF level 7																						
01/09/1993–01/07/1998	High school degree in Informatics Istituto Tecnico Industriale Statale "A. Meucci", Florence (Italy) Informatics and Systems	EQF level 6																						
04/06/2006–10/06/2006	Third DELOS International Summer School on Digital Library Technologies Digital preservation in digital libraries																							
12/06/2006–17/06/2006	Muscle-DELOS Summer School Multimedia Digital Libraries, Machine learning and cross-modal technologies for access and retrieval																							
PERSONAL SKILLS																								
Mother tongue(s)	Italian																							
Foreign language(s)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">UNDERSTANDING</th> <th colspan="2">SPEAKING</th> <th rowspan="2">WRITING</th> </tr> <tr> <th>Listening</th> <th>Reading</th> <th>Spoken interaction</th> <th>Spoken production</th> </tr> </thead> <tbody> <tr> <td>English</td> <td>C1</td> <td>C1</td> <td>C1</td> <td>C1</td> <td>C1</td> </tr> <tr> <td>Spanish</td> <td>A2</td> <td>A2</td> <td>A1</td> <td>A1</td> <td>A1</td> </tr> </tbody> </table>			UNDERSTANDING		SPEAKING		WRITING	Listening	Reading	Spoken interaction	Spoken production	English	C1	C1	C1	C1	C1	Spanish	A2	A2	A1	A1	A1
	UNDERSTANDING			SPEAKING		WRITING																		
	Listening	Reading	Spoken interaction	Spoken production																				
English	C1	C1	C1	C1	C1																			
Spanish	A2	A2	A1	A1	A1																			
	<small>Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user Common European Framework of Reference for Languages - Self-assessment grid</small>																							
Communication skills	<ul style="list-style-type: none"> ■ excellent interpersonal communication skill gained through teaching activities (university courses), communication science studies, projects and team coordination and business/commercial activities. ■ excellent contact skill with children gained through game based lessons at Florence primary schools for resilience behaviors awareness program. 																							
Organisational / managerial skills	<ul style="list-style-type: none"> ■ leadership (coordinator of cross institutional projects as H2020 RESOLUTE, National Bibliography Number, ecc.) ■ excellent team coordination, building and motivational skill ■ capacity of setting up the condition for cross fertilization of ideas and competencies (Open Innovation 2.0) ■ goal oriented attitude with a focus on the solution delivery ■ pragmatic problem solving ■ conflict management and resolution ■ project risk assessment and management ■ resources-objectives trade off and optimization 																							
Job-related skills	<ul style="list-style-type: none"> ■ Excellent in mentoring and teaching skills gained through lecturing activities at university courses ■ Excellent in Socio-Technical systems (STS) envisioning and modeling ■ Project ideation and management; AGILE, Waterfall, SCRUM 																							

- Design Thinking and Human Centered Design
- Functional Resonance Analysis Method
- Blockchain and Hyperledge Fabric development
- SOA, SQL/NoSQL, GRID programming
- VB, Javascript, php, perl, c, c++, R, Go
- GIS/Satellite processing: ARCGIS, Mapinfo, QGIS, ENVI
- Knowledge management: D2R, SKOS, OWL, XML/RDF, Triple stores.
- Network analysis: SOCNETV, CYTOSCAPE
- Data/Content management: CKAN, Dspace, ePrint
- Protocols/packaging:OAI-PMH, OAI-ORE, MPEG21, METS, XFDU
- Design of RIA interactive user interfaces, Human Factors and User Experience design (Design Thinking, Activity Theory)
- Software: Photoshop, SonyVegas,

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

Other skills

- Sailing boat licence for boat max 30 mt. and within 15miles from the coast
- Expert skier and member of Italian Alpine Club (CAI)
- Football player
- Deejay amateur
- Chess
- Martial artist (Shaolin, BJJ)
- Motorcyclist

Driving licence A, B

ADDITIONAL INFORMATION

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|--------------------|---|
| Certifications | Innovation Manager - Italian Ministry of Economic Development (MiSE) |
| Honours and awards | Official Special Thanks received by vice-Major of Florence for the ideation and presentation to several Florentine primary schools of the " Goose in the Riskland " game for enhancing the kids awareness in good behaviors to be resilient against critical events. |
| Public events | <ul style="list-style-type: none"> ■ 2018 City Resilience: solutions, organizational models and tools- the RESOLUTE outcomes - Florence ■ 2017 member of board of Climathon in Florence ■ 2016 "Goose in the riskland" game for Chiavi della citta' project at primary schools (more than 250 kids trained). ■ 2016 Children Festival in Florence - "Goose in the Riskland" presentation ■ 2016 Launch of the RESOLUTE/50th Flood initiative at Palazzo Vecchio ■ 2016 Presentation of Resolute for City Resilience to citizens - Municipal Library Oblate, Florence, |

Italy

- 2016 Mugnone Civil Protection Exercise - A comprehensive Civil Protection exercise organized by the Municipality of Florence in the Romito Area, to evaluate city resilience to flood -
- 2016 Presentation of Mugnone Civil Protection Exercise to citizens: Public town meeting in order to inform the district inhabitants of the coming Civil Protection Exercise, with presentation of the Municipal effort within the Resolute Project
- 2016 "Cascine Park" initiative for citizens. A series of urban, economic, cultural, scientific provisions and interventions, have been put under public discussion, in a town hall meeting

Memberships

- EU Blockchain Observatory & Forum
- Linux Foundation - Hyperledger TC
- Deputy of WG on Security and Resilience -European Integrated Mission Group for Security (IMG-S)
- ISO-UNI Blockchain TC307
- Advisory of H2020-SmartResilience project
- IEEE, IEEE Systems council,
- IEEE Computer Society
- CEN TC 88 on Resilience Information Portal,
- CEN City Resilience Development - Maturity Model
- CEN City Resilience Development - Operational Guidance
- ISO 31xxx TC – Risk and Resilience indicators
- European Virtual Institute for Integrated Risk Management
- European Technology Platform for Industrial Safety ETPIS
- ESRA TC Human Reliability and TC Risk Assessment,
- Conference of Italian University Rectors (CRUI) WG on Metadata for Italian Institutional Repository
- IETF WG on URI standardization
- 2014 Member of the Florence city team for the 100 Resilience City Contest – USA

Students supervision**Thesis main supervisor:**

Katia Maratea : Render visibile l'arte invisibile: Valorizzazione e promozione in 3D delle collezioni nei depositi museali - Digital Humanities course - 2014 - University of Florence

Thesis co-supervisor:

Salvatore Caramazza : Applicazione blockchain a supporto delle clearing house per i servizi di roaming nelle telecomunicazioni - 2019 ongoing - SesarLAB University of Milan

Alessandro Venturi : Analisi e realizzazione di ResilienceDS: uno strumento per l'analisi e la modellazione per le macro emergenze basato su risonanza funzionale - 2017 - Information engineering course - University of Florence

Michele Pieri: Analisi e sviluppo di una soluzione e di una base di conoscenza semantica per la stima del danno potenziale da eventi naturali catastrofici - 2017 - Information engineering course - University of Florence

Editorial**Editorial Board membership**

- Environment System and Decisions Journal – Springer
- Frontiers in Big Data and Artificial Intelligence - Medicine and Public Health section
- PLOS

- SN Applied Science - Cyber Security, digital forensics and resilience - Springer

Journal Reviewer

- IEEE Systems
- International Journal of Critical Infrastructure Protection (IJCIP) - Elsevier
- International Journal of Knowledge and Learning (IJKL) - Inderscience,
- Sustainable and Resilience Infrastructure (SRI) Journal – Taylor & Francis

Editorial

- 2020 Electronics Journal special issue - Cyber Security on Cyber-Physical Systems
- 2017 E. Bellini , A. Jovanovic " Aligning the resilience-related research effort int he EU-DRS projects" Book of Abstracts of EC- Community of User DRS7 Joint Workshops- EU-VRI-Stuggart-Germany
- 2015 –Special Issue on Persistent Identifiers Interoperability - International Journal on Knowledge and Learning - Inderscience

Presentations**Chair/Panel coordinator**

- IEEE Service 2020 - 2st International Workshop on Cyber Security and Resilience in IoT (China)
- 1st IEEE International Conference on Cyber Security and Resilience (CSR) - 2021 (Rodi)
- 25th IEEE Symposium on Computers and Communications (ISCC) - 2st Workshop on International Workshop on Machine Learning for Wireless Communications, 2020
- 24th IEEE Symposium on Computers and Communications (ISCC) - 1st Workshop on International Workshop on Machine Learning for Wireless Communications (Barcelona) 2019
- IEEE Service 2019 - 1st International Workshop on Cyber Security and Resilience in IoT (Milan)
- European Commission-11th Meeting Community of User on Secure, Safe and Resilient Societis - Bruxelles (BE) -2018
- European Commission-Community of Users - DRS7 - Joint Workshop - Align the resilience-related research effort in the EU-DRS7 project - Bruxelles (BE) -2017
- EU JamToday – Game Jam Session – Turin (IT) -2015
- IEEE SITIS Cultural Information System (CIS) workshop - Kyoto (JP) -2013
- EU-ECLAP 2013 International Conference on – Trust and Quality in CH digital library - Porto (PT) -PT-2013
- Cultural Heritage On line 2012 – Florence - (IT)-2012
- EU-ECLAP International Workshop on Digital Libraries for Performing Arts – Bruxelles (BE) - 2011
- Cultural Heritage On line 2009 – Florence (IT)-2009
- AXMEDIS International Workshop and Digital Preservation Weaving Factory - Florence (IT) - 2008

Technical Program Committee

- IEEE Service conference 2020
- IEEE NetSoc 2nd International Workshop on Cyber-Security Threats, Trust and Privacy management in Software-defined and Virtualized Infrastructures (SecSoft 2020)
- IEEE/IFIP Network Operations and Management Symposium (NOMS) 2020
- 4rd International Symposium on Human Mental Workload - Rome, 2019 H-WORKLOAD 2019
- 6th International Conference on INTERNET SCIENCE(INSCI2019)
- IEEE NetSoc 2nd International Workshop on Cyber-Security Threats, Trust and Privacy

management in Software-defined and Virtualized Infrastructures (SecSoft 2019)

- MICRADS'19 The 2018 Multidisciplinary International Conference of Research Applied to Defense and Security -Salinas Ecuador, 2019
- 3rd International Symposium on Human Mental Workload - Berlin, 2018
- 2nd International Symposium on Human Mental Workload - Berlin, 2018
- MICRADS'18 The 2018 Multidisciplinary International Conference of Research Applied to Defense and Security -Salinas Ecuador, 2018.
- 1st International Symposium on Human Mental Workload -Dublin - 2017
- IEEE SITIS Conference Kyoto 2013
- 2nd International Conference, ECLAP Porto, (PT) - 2013
- 1st International Conference, ECLAP – Bruxelles (BE) - 2011

Conference participation

- Internet Science 2019 (INSCI) Perpignan (FR)
- IEEE Cloud 2019
- IEEE Service 2019 - Workshop on Cyber Security and Resilience
- IEEE Internationa Conference on Innovation in Information Technology 2018 (Al Ain -UAE)
- European Commission - 11TH Meeting of the Community of Users on Secure, Safe and Resilient societies - Urban Critical Infrastructures - (**panel coordinator**) - Bruxelles (BE) - 2018
- Critical Infrastructure Resilience (**chair/panelist**) - Bruxelles (BE) - 2018
- Risk and Resilience Symposium (**invitedspeaker**) - Beijing - (RPC) - 2017
- International Conference on Critical Information Infrastructures Security CRITIS 2017 (**speaker**) – Lucca (IT) - 2017
- European Commission-Community of Users - DRS7 - Joint Workshop - Align the resilience-related research effort in the EU-DRS7 project (**organiser/chair**)- Bruxelles (BE) -2017
- I-CiTies 2017 Italian Conferece on Smart City – Consorzio Interuniversitario Nazionale per l'Informatica (**speaker**) Bari (IT)-2017
- 1st Workshop of Mental Workload (**speaker**)– Dublin Institute of Technology - Dublin (IR) - 2017
- 1st International Workshop on Resilience (**speaker**) – Turin (IT) - 2016
- European Safety and Reliability Conference ESREL (**speaker**) – Glasgow (UK) - 2016
- European Technology and Innovation Platform on Industrial Safety (ETIPS) meeting (**speaker**) – Bruxelles (BE) - 2016
- Major Cities of Europe event (**speaker**) Florence (IT) - 2016
- European Cooperation Network on Critical Infrastructure Protection conference (**invitedspeaker**) – Rome (IT) - 2016
- Risk and Resilience in the Face of Global Change – Aspen Global Change Institute (AGCI) (**invitedspeaker**) - Aspen (USA) - 2015
- EU JamToday – Game Jam Session (**co-organiser**) – Turin (IT) - 2015
- IEEE SITIS Cultural Information System (CIS) workshop (**chair/speaker**) Kyoto (JP) - 2013
- EU-ECLAP 2013 International Conference on – Trust and Quality in CH Digital Library - Porto (PT) (**chair**) - 2013
- IEEE SITIS 9th International Conference on Signal Image Technology (**speaker**) – Naples (IT) - 2012
- Cultural Heritage On line 2012 (**organizer/chair/speaker**) – Florence (IT) - 2012
- APARSEN Int.Conf. Alliance for Permanent Access to the Records of Science (**speaker**) - London (UK) - 2011
- Knowledge Exchange - Persistent Identifier workshop (**speaker**)– The Hague (NL) - 2011
- EU-ECLAP International Workshop on Digital Libraries for Performing Arts (**chair**) – Bruxelles (BE) - 2011

- 2010 International PersID workshop – Frankfurt National Library – (**Speaker**) Frankfurt (DE) - 2010
- SEKE DMS 2010. 16th Int. Conf. on. Distributed Multimedia Systems – (**Speaker**) Chicago (speaker)- USA
- Cultural Heritage On line 2009 (**organizer**) – Florence (IT)-2009
- IFLA 2009 World Library and Information Conference (**speaker**) – Milan (IT) - 2009
- Dublin Core Conference- Building blocks for interoperability - Florence - IT
- AXMEDIS International Workshop and Digital Preservation Weaving Factory (**chair**) - Florence (IT) - 2008
- Seminar on Watermarking for Cultural Heritage Digital Objects- MICC – University of Florence (IT) 2007
- International DELOS Summer School on “Digital Preservation in Digital Library” – San Miniato (IT) - 2006
- International DELOS-Muscle Summer School on “Multimedia Digital Libraries machine learning ad cross-modal technologies for access and retrieval” - San Vincenzo (IT) - 2006

Publications**Publications**

F. Marulli, S. Marrone, E. Bellini - A Security-Oriented Architecture for Federated Learning in Cloud Environments - *8-th International Workshop on Cloud Computing Project and Initiatives (CCPI-2020)*, in *34-th International Conference on Advanced Information Networking and Applications (AINA-2020)*

E. Bellini, Y. Iraqui, E. Damiani - Blockchain-based Distributed Trust and Reputation Management Systems: A Survey - *IEEE Access*, 2020

E. Bellini, A. Bellini, F. Pirri, L. Cocone - Towards a Trusted Virtual Smart Cities Operation Center Using the Blockchain Mirror Model - International Conference on Internet Science, 283-291

P. Ceravolo, E. Bellini - Towards Configurable Composite Data Quality Assessment - *IEEE Conference on Business Informatics 2019 CBI 1*, 249-257

S. Shiaeles, N. Kolokotronis, E. Bellini, IoT vulnerability data crawling and analysis, *2019 IEEE World Congress on Services (SERVICES)* 2642, 78-83

E. Bellini, F. Bagnoli, A. Ganin, I. Linkov - Cyber Resilience in IoT network resilience: Methodology and example of assessment through epidemic spreading approach - *IEEE Service 2019 - 1st Workshop on Cyber Security and Resilience in IoT*

E. Bellini, E. Gaitanidou, E. Bekiaris, P. Ferreira - European Resilience Management Guidelines for Critical Infrastructure operationalised for the Urban Transport System - *Env Science and Decisions Journal* (Under Review)

E. Bellini - A blockchain-based Trusted Persistent Identifier system for Big Data in Science - *Foundations of Computing and Decision Sciences*, 2019

E. Bellini -A Complex Digital Object Content Packaging Technologies review under the Intelligent Content paradigm - *International Journal on Knowledge and Learning* (Under review)

E. Bellini, P. Ceravolo, E. Damiani, Blockchain-based e-Vote-as-a-Service *2019 IEEE 12th International Conference on Cloud Computing (CLOUD)*, 484-486

N. Kolokotronis, S. Shiaeles, E. Bellini, L. Charalambous, D. Kavallieros, O. Gkotsopoulou, C. Pavu , A. Bellini, G. Sargsyan - Cyber-Trust: Safeguarding the IoT Ecosystem From Sophisticated Cyber-

Attacks - *IOS NATO Science for Peace and Security Series* (in press)

A. Bellini, E. Bellini, M. Gherardelli, F. Pirri - Enhancing IoT Data Dependability through a Blockchain Mirror Model - *Future Internet*, 11 (5), 117

P. Ceravolo, E. Bellini, - Assessing Strategies for Sampling Dynamic Social Networks - *Springer Proceedings in Complexity - Research and Innovation Forum RII-Forum 2019 - Rome*

S. Brotsis, N. Kolokotronis, K. Limniotis, S. Shiaoles, D. Kavallieros E. Bellini, C. Pavue Blockchain Solutions for Forensic Evidence Preservation in IoT Environments - *IEEE SecSoft 2019*

E. Bellini E., P. Nesi, C. Martelli, E. Gaitanidou, F. Archetti, A. Candelieri, JP. Leuteritz, P. Ferreira, L. Cocone (2017) - Building resilient and sustainable cities starting from the urban transport system – in *Resilience Cities Series - Urban Resilience: Methodologies, Tools and Evaluation* - Springer (in press)

F. Bagnoli, E. Bellini, E. Massaro (2019) Percolation and Internet Science - *Future Internet journal* 11 (2), 35

E. Bellini, P. Nesi, L. Cocone (2019) A FRAM-driven approach for quantifying variability of a socio-technical system - *IEEE Systems Journal*

F. Bagnoli, E. Bellini, E. Massaro - A self-organized method for computing the epidemic threshold in computer networks - *Lecture Notes in Computer Science - Internet Science - INSCI 2018 St. Petersburg, Russia October 24-26, 2018*

F. Bagnoli, E. Massaro, E. Bellini - Risk perception and epidemics in complex computer networks - *IEEE 5th Workshop on Complexity in Engineering COMPENG 2018 Florence*

E. Bellini, P. Ferreira, J. P. Lauteritz - The RESOLUTE Project: Guidelines for Resilience Control Room design in the Smart Cities - IEA 2018: Proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018) pp 598-606 - *Advances in Intelligent Systems and Computing book series (AISC, volume 819)* Springer

E. Bellini and P. Nesi (2018) - Exploiting smart technologies to build Smart Resilient Cities - *Routledge Book on sustainable and resilience infrastructure* - Ed. Paolo Gardoni Univ. Illinois - Taylor & Francis

L. Cocone, E. Bellini - Traffic Management Systems improving resilience in smart cities - *ITS World Congress 2018 - Copenhagen*

E. Bellini and L. Cocone (2018) - Advanced Traffic Management Systems supporting resilient smart cities - *Mobil.TUM Workshop - Transportation Research Procedia* (Elsevier)

E. Bellini , P. Ferreira (2018) Managing interdependencies in critical infrastructures – a cornerstone for system resilience – *European Safety and Reliability Conference (ESREL 2018)*

L. Save, M. Branlat, W. Hynes, E. Bellini, P. Ferreira, J.P. Lauteritz, et.al., The Development of Resilience Management Guidelines to Protect Critical Infrastructures - *Europe Congress of the International Ergonomics Association, 2018, 598-606*

I. Linkov, L. Read, C. Fox-Lent, C. R. Allen, J. C. Arnott, E. Bellini, J. Coaffee, M.V. Florine, K. Hatfield, W. Hynes, A. Jovanovic, R. Kasperson, J. Katzenberger, P. W. Keys, J. H. Lambert, R. Moss, P. Murdoch, J. Palma-Oliveira, R. S. Pulwarty, D. Sands, J. Taylor, E. A. Thomas, M. R. Tye, D. Woods,

I. Hyde (2018) - Tiered approach to Resilience Assessment - *Risk Analysis* -
<https://doi.org/10.1111/risa.12991>

E. Bellini, P. Ceravolo, and P. Nesi. 2017. Quantify Resilience Enhancement of UTS through Exploiting Connected Community and Internet of Everything Emerging Technologies. *ACM Transaction on Internet Technol.* 18, 1, Article 7 (October 2017), 34 pages. 27 <https://doi.org/10.1145/3137572>

E. Bellini, L. Cocone - RESOLUTE approach for building resilient UTS (2017) - 12th *Intelligent Transport Systems ITS European Congress* – Strasburg

I. Häring, G. Sansavini, E. Bellini, N. Martyn, K. Kovalenko, M. Kitsak G. Vogelbacher, R. Katharina, U. Bergerhausen, K. Barker, I. Linkov (2017) - Towards a Generic Resilience Management, Quantification and Development Process: General Definitions, Requirements, Methods, Techniques and Measures, and Case Studies. In: Linkov I., Palma-Oliveira J. (eds) *Resilience and Risk. NATO Science for Peace and Security Series C: Environmental Security*. Springer, Dordrecht
https://doi.org/10.1007/978-94-024-1123-2_2

E. Bellini, P. Nesi, P. Bellini and M. Paolucci (2017) Big Data based Collaborative Resilience Management Decision Support System for Urban Transport Systems - CINI - *Italian Conference on Smart City I-Cities 2017* <http://sisinflab.poliba.it/icities2017/>

E. Bellini, C. Badii, P. Bellini, D. Cenni, A. Defino, P. Nesi, M. Paolucci (2017) Km4City: una soluzione aperta per erogare servizi Smart City - *GARR Conference 2016*, <http://www.eventi.garr.it/it/conf16> pp. 74-78.

E.Bellini, E. Gaitanidou (2017) - European Resilience Management Guidelines for Critical Infrastructure operationalised for the Urban Transport System - *8th International Congress on Transportation Research (ICTR)* in Greece – Tessaloniki

E. Bellini, S. Benvenuti, C. Battistini (2017) - Towards a not obtrusive low cost biosystem to assess risk perception in workplace through stress detection - *1st International Symposium on Human Mental Workload* –Dublin

E. Bellini, P. Nesi, G. Pantaleo, A. Venturi (2016) Functional Resonance Analysis Method based Decision Support tool for Urban Transport System Resilience Management“ - *IEEE International Smart City Conference (ISC2 2016)*, Trento.

Bellini E., Nesi P, Cocone L., Gaitanidou, E, Ferreira, P., Simoes A., Candelieri (2016) A. Towards resilience operationalization in Urban Transport System: the RESOLUTE project approach – in Risk, reliability and Safety: Innovation and practice – Walls, Revie & Bedford (ed) *European Safety and Reliability Conference (ESREL 2016)* - CRC press.

E. Bellini, P. Nesi, P. Ferreira (2016) “Operationalize Data-driven Resilience in Urban Transport Systems - *Resource Guide on resilience IRGC – EPFL 2016* DOI: 10.13140/RG.2.2.12786.09922, <https://www.irgc.org/wpcontent/uploads/2016/04/Bellini-Nesi-Ferreira-Operationalize-Data-driven-Resilience-in-Urban-Transport-Systems.pdf>

E. Bellini A. Candelieri , I. Giordani, F. Archetti (2016) - Resilience Management in Urban Transportation Systems –Enterprise Interoperability in the Digitized and Networked Factory of the Future *i-ESA 16 Proceedings* <http://www.iste.co.uk/book.php?id=1073>

E. Bellini, C.Martelli, Flora Salvadori (2015) - Knowledge Management and Reuse in Tourism Destination Observatories - *Int. Journal on Knowledge and Learning (IJKL)* Vol 10, Issue 1 pp 1-15 – Inderscience - DOI: 10.1504/IJKL.2015.071042

E. Bellini, C. Cirinnà, G. Bergamin, M. Messina, R. Messuti (2014) NBN:IT The Italian trusted persistent identifier infrastructure - *Int. Journal on Knowledge and Learning* (IJKL) - Vol: 9. pp 347-363 Inderscience

E. Bellini, A. Bellini, C. Luddi, S. Naldini, C. Ghetti, and G. Bergamin (2013) ""Once Upon a Time": A Proof of Concept Augmented Reality Collaborative Mobile Application to Discover City Heritage," *IEEE International Conference on Signal-Image Technology & Internet-Based Systems(SITIS)*, Kyoto, Japan Japan, 2014, pp. 358-363.
doi:10.1109/SITIS.2013.65

E. Bellini, C. Martelli (2013) - Using Value Network Analysis to support Data Driven Decision Making in Urban Planning. - *IEEE International Conference on Signal-Image Technology & Internet-Based Systems(SITIS)* 2013 – pp. 998-1003 Kyoto

E. Bellini, P. Nesi -(2013) Metadata Quality Assessment Tool for Open Access Cultural Heritage Institutional Repositories - in Information Technologies for Performing Arts, Media Access, and Entertainmen - *Lecture Notes in Computer Science* -Springer Volume 7990, 2013, pp 90-103 DOI 10.1007/978-3-642-40050-6_9

E. Bellini , C. Martelli, (2012). The role of the semantic approach to complex statistical information system planning and management. *IEEE International Conference on Signal-Image Technology & Internet-Based Systems(SITIS)* 2012. 876-883 Naples.

E. Bellini, C. Cirinnà, M. Lunghi (2012) - Trust and Persistence for Internet Resources , Italian Journal of Library and Information Science. – Global Interoperability and Linked Data in Libraries workshop – *Journal on Library and Information Science*. JLIS.it

E. Bellini, C. Cirinnà, M. Lunghi, B. Bazzanella, P. Bouquet, D. Giaretta and R. van Horik (2012), "Interoperability Framework for Persistent Identifier systems" *iPRES* 2012, Toronto

E. Bellini, Luddi, Chiara Cirinnà, Maurizio Lunghi, Achille Felicetti, Barbara Bazzanella, Paolo Bouquet (2012) Interoperability Knowledge Base for Persistent Identifiers Interoperability Framework. *IEEE International Conference on Signal-Image Technology & Internet-Based Systems(SITIS)*: 868-875

E. Bellini, C. Cirinnà, M. Lunghi, C. Luddi, M. Messina, G. Bergamin, R. Messuti, G. Cordani, R. Delle Donne, F. Rossi, M. Vignocchi, S. Arabito, J Piščanc (2012): The National Bibliography Number Italia (NBN:IT) Project. A persistent identifier supporting national legal deposit for digital resources, *Italian Journal of Libraries and Information Science* JLIS.it 2012 NBN: urn:nbn:it:unifi-3866; DOI: 10.4403/jlis.it-4789

E. Bellini, M. A. Deusson, P. Nesi (2010) Assessing Open Archive OAI-PMH implementations - *Software Engineering and Knowledge Engineering (SEKE) - International Conference on Distributed Multimedia System (DMS)*, 2010 153-158 - Chicago

E. Bellini,P.Ceravolo (2010) EPICA: Easy Persistent Identifier Common Architecture. Workshop IFIP on Semantic Web and Web Semantics (SWWS 2010) - OTM Workshop: 626-634 ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS *Lecture Notes in Computer Science*, 2010, Volume 6428/2010, 626-634, DOI:10.1007/978-3-642-16961-8_87

E. Bellini, I. Aversa (2009) "A Peer to Peer Multi-Agent Information System to support the impaired users mobility" AAATE 2009 - *Assistive Technology from Adapted Equipment to Inclusive Environments* – IOS Press DOI: 10.3233/978-1-60750-042-1-236

E. Bellini , P. Nesi, (2009) "A Trust P2P network for the Access to Open Archive resources", Wolrd Library and Information Congress: *75TH IFLA General Conference and Council*, 23-27 August 2009, Milan, Italy

E. Bellini, R. Puccinelli., M. Spasiano (2009) "Persistent identifiers: jNBN, a JEE application for the management of a national NBN infrastructure" – *GARR Conference* – Napoli 2009

E. Bellini, C. Cirinnà, M. Lancia, M. Lunghi, R. Puccinelli, M. Saccone., B. Sebastiani, M. Spasiano (2009) – "Persistent Identifiers distributed system for digital libraries"

<http://www.ifla.org/files/hq/papers/ifla75/193-lunghi-en.pdf> Wolrd Library and Information Congress: *75TH IFLA General Conference and Council*, 23-27 August 2009, Milan, Italy.

E. Bellini et al (2008) "Persistent Identifiers distributed system for Cultural Heritage digital objects"
http://www.bl.uk/ipres2008/presentations_day2/38_Lunghi.pdf iPRES 2008 British Library – *The fifth International Conference on Preservation of Digital Objects*- Conference Centre in St Pancras, London, on 29-30 September 2008.

E. Bellini, E. Damiani, M. Lunghi, C. Cirinnà, C. Fugazza (2008)– "Semantics-aware Resolution of Multi-part Persistent Identifiers" *Lecture notes in computer science. Lecture notes in artificial intelligence* ; 5288). - In: Emerging technologies and information systems for the knowledge society : first World summit on the knowledge society, WSKS 2008 : Athens, Greece, september 24-26, 2008 : proceedings / [a cura di] M.D. Lytras ... [et al.]. - Berlin : Springer, 2008. - ISBN 9783540877806. - pp. 413-22www.springerlink.com/index/81k371436613528l.pdf

E. Bellini, M. Lunghi, C. Cirinnà. (2007) Persistent Identifiers for cultural heritage – Briefing Paper – Digitalpreservationeurope project
http://www.digitalpreservationeurope.eu/publications/briefs/persistent_identifiers.pdf

Seminars

- 2018 IEEE Conference of Technology Innovation - Al Ain (UAE)
- 2018 Major City of Europe – Posdam (DE)
- 2018 SmartResilience - Leipzig (DE)
- 2017 JRC Resilience workshop - Ispra (IT)
- 2017 Functional Resonance Analysis Method (FRAM) symposium – Rome (IT)
- 2017 Smart City World Exhibition Barcelona (ES)
- 2017 Major City of Europe – Zagreb (HR)
- 2017 CyberTech Europe 2017 – Rome (IT)
- 2016 Workshop NATO: "Resilience-Based Approaches to Critical Infrastructure Safeguarding" Ponta Delgata Azores (PT)
- 2016 Smart City Expo World Congress – Barcelona (ES)
- 2016 UN-SENDAI Framework – Florence (IT)
- 2015 EC- Community of User CoU- Bruxelles (BE)
- 2015 Multiverso Campus Innovazione – Resilience and business opportunity - Florence (IT)
- 2015 Smart City Expo Barcelona (ES)
- 2014 UNESCO World Forum – Florence (IT)
- 2009 Dublin Core Conference - Building blocks for interoperability - Florence (IT)
- 2007 Seminar on Watermarking for cultural heritage digital objects- MICC – University of Florence (IT)
- 2006 International Delos Summer School on "Digital Preservation in Digital Library– San Miniato (IT)
- 2006 International Delos-Muscle Summer School on "Multimedia Digital Libraries machine learning ad cross-modal technologies for access and retrieval" - San Vincenzo (IT)