

CURRICULUM VITAE



Personal data

Given Name / Family Name

Orazio Giustolisi

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Nationality

Italy

Birth Date

8 July 1968

WORKING EXPERIENCE

- Date
- Name and address of the employer
- Company sector
- Employment
- Main activities and responsibilities

2003 –

Politecnico di Bari, via Orabona n.4, 70125, Bari (Italy)

University

Full Professor

Research Activity

Implementation of National and International projects

Teaching in courses related to Management of Hydraulic Systems:

Gestione dei Sistemi Idraulici: dall' A.A. 2003-04 all' A.A. 2012-2013

Progettazione dei sistemi idraulici in pressione: dall'A.A. 2008-09 all' A.A. 2012-2013

Costruzioni Idrauliche: all' A.A. 2013-14 all' A.A. 2015-2016

Impianti Speciali Idraulici: A.A. 2016-17 all' A.A. 2017-2018

Irrigazione e Drenaggio: A.A. 2017-18

Gestione dei Sistemi Idraulici: A.A. 2017-2018

• Date

2001 – 2003

• Name and address of the employer

Politecnico di Bari, via Orabona n.4, 70125, Bari (Italy)

• Company sector

University

• Employment

Associate Professor

• Main activities and responsibilities

Research Activity

Implementation of National and International projects

Teaching in courses related to Management of Hydraulic Systems

• Date

1995 – 2000

• Name and address of the employer

Politecnico di Bari, via Orabona n.4, 70125, Bari (Italy)

• Company sector

University

• Employment

Researcher

- Main activities and responsibilities

Research Activity
Implementation of National and International projects

EDUCATION AND TRAINING

- Date
- Name of the Institution
- Sector
- Qualification
- Date
- Name of the Institution
- Sector
- Qualification

1982 – 1989
Università degli Studi di Bari

Civil Engineering
Degree in Civil Engineering

1992 – 1995
Università degli Studi di Napoli “Federico II”

Hydraulic Engineering Phylosophy Doctoral
Phylosophy Doctor in Hydraulic Engineering

PERSONAL SKILLS AND COMPETENCES

Acquired in life and career but not necessarily recognized by official certificates and diplomas

Technical-scientific research:

Hydroinformatics and Decision Support Systems
Water Distribution Systems analysis, planning and management

- *Network Simulation Models*
- *Leakage Management*
- *Hydraulic and Mechanic Reliability Analysis*
- *Optimal Rehabilitation Planning*
- *Pumping Optimization*
- *Remotely Real Time Controlled Pressure control devices*
- *Complex Network Theory and application to WDN*

Data-modelling and soft-computing for environmental systems

- *Artificial Neural Networks*
- *Support Vector Machines*
- *Evolutionary Polynomial Regression*

Research Transfer

Cofounder in July 2013 and past President of the spinoff company Innovation Decision Environment Awareness Research Transfer srl aiming at a just in time transfer of the most recent enhancements of the technical-scientific research in the field of Hydroinformatics, data-modelling and water distribution system analysis, planning and management. The key idea is to transfer tools to students, technicians and researchers by means professional MS-Office Excel functions.

Water distribution network analysis, planning and management

- *WNetXL: a smart tool for integrated water distribution network (WDN) analysis, planning and management. It is a suite of MS-Office Excel functions, which entail several typical and innovative function as decision support tools for WDNs management. It is the European alternative to EPANET package.*
- *WQNetXL: a smart tool for water quality in WDN. It is a suite of MS-Office Excel functions, which entail several typical and innovative water quality functions, which are based on the enhanced hydraulics of WNetXL. It is the European alternative to EPANET package for water quality.*

Hydroinformatics and Data analysis-modelling

- *ANN MOGA-XL: a multi-objective strategy to design Artificial Neural Networks (ANNs). It is a suite of MS-Office Excel functions allowing designing and training any data-modelling purpose.*
- *EPR MOGA-XL: a genetic programming strategy to model data in order to get symbolic formulation of models. It is a suite of MS-Office Excel functions allowing performing symbolic data-driven modelling. It is especially useful for data from environmental phenomena and worldwide used in many fields of civil engineering.*

NATIVE LANGUAGE

Italian

OTHER LANGUAGES

English

RECENT RESEARCH AND TECHNOLOGY TRANSFER PROJECTS

2018 – 2020 “SUSTAINABLE WATER supply networks in Mediterranean touristic areas - SUNWATER”, Interreg V-A Greece Italy Programme 2014-2020.

Role: Scientific Coordinator of the project, responsible of research unit.

2015 – 2017 “Efficient, effective, economic water demand management in the growing Oslo city – E3WDM”, number 245652. Project Owner: City of Oslo Water and Sewerage Works, Regional Research Fund (Norway).

Role: Responsible Italian unit.

2014 – 2016 “Innovation in Water Infrastructure - New Generation - InnoWatING”, number: 234975.

Project Owner: City of Oslo Water and Sewerage Works, Research Council of Norway.

Role: Responsible Italian unit.

2013 – 2016 “Tools and procedures for an advanced and sustainable management of water distribution systems” – Scientific Research Program of Relevant National Interest – PRIN2012 (Prot. 20127PKJ4X) – Ministero dell’Istruzione, dell’Università e della Ricerca - MIUR.

Role: Principal investigator.

2011 – 2013 “Innovative tools for water distribution network simulation and analysis” - Scientific Research Program of Relevant National Interest – PRIN2008 (Prot. 20084AX2MF_002) – Ministero dell’Istruzione, dell’Università e della Ricerca - MIUR

Role: Principal investigator.

Bibliometric Indicators and summary of the Scientific production

ORCID iD: orcid.org/0000-0002-5169-7798

GOOGLE SCHOLAR CITATIONS H-index = 30, Number of Citations = 3117

SCOPUS H-index = 27, Number of Citations = 2125

ISI WEB OF SCIENCE H-index = 23, Number of Citations = 1620

Journal name	Number of papers
<i>Journal of Hydroinformatics</i>	18
<i>Journal of Water Resources Planning and Management</i>	11
<i>Journal of Hydraulic Engineering</i>	8
<i>Water Resource Research</i>	6
<i>Environmental Modelling & Software</i>	4
<i>Urban Water Journal</i>	3
<i>Hydrological Sciences Journal</i>	2
<i>Hydrological Processes</i>	2
<i>Engineering Computations</i>	2
<i>Water Management Journal</i>	2
<i>Water Science and Technology</i>	1
<i>NeuroComputing</i>	1
<i>Civil Engineering and Environmental Systems</i>	1
<i>Computers and Geotechnics</i>	1
<i>International Journal of River Basin Management</i>	1
<i>Journal of Optimization</i>	1
<i>Catena</i>	1
<i>Total</i>	65
<i>International Proceedings</i>	94
<i>National Journal/Proceedings/Books and Other</i>	24

International Scientific Activity and Appointments

2015 - : Editor in Chief Journal of Hydroinformatics (<http://www.iwaponline.com/jh/default.htm>)

2009 - 2015: Editor del Journal of Hydroinformatics (<http://www.iwaponline.com/jh/default.htm>)

2008 - : Honorary Visiting Professor at University of Exeter, UK.

Member of:

- (2004 -) International Scientific Committee of the International Conferences on Hydroinformatics.
- (2005 -) International Scientific Committee of Computing and Control for the Water Industry Conferences.
- (2008 -) International Scientific Committee of Water Distribution System Analysis Conferences.
- (2010, 2012) International Scientific Committee of International Perspective on Water Resources & the Environment.
- (2014, 2015) International Program Committee of Genetic Programming at GECCO
- (2014) Scientific Advisory Committee of "River basins, reservoir sedimentation and water resources" (IAEG)
- (2008 -) Oversight Scientific Committee of Water System Analysis Conferences.

(2011 -) IWA-IAHR-IAHS Leadership Team for the Hydroinformatics section.

(2015 -) Chair IWA Leadership Team della Hydroinformatics section.

Invited speaker Plenary Session a Computer and Control in Water Industry (CCWI), 2007.

Invited speaker a World City Water Forum, 2009.

Invited speaker Plenary Session Efficient and Sustainable Water System Management (EWaS), 2016.

Invited speaker Plenary Session a Water Distribution System Analysis (WDSA), 2016.

Invited speaker Plenary Session a 8th Conference on Energy and Environment (CIEM), 2017.

Chair of the Technical Program della conferenza internazionale Control for the Water Industry (CCWI 2013)

Chair of the Technical Program della conferenza internazionale Water Distribution System Analysis (WDSA 2014)

Outstanding Reviewer Prize for IWA, 2006.

ID	Authors, Year, Title, Journal, Editor, Issue, Pages	DOI
1	Giustolisi, O. , Simone, A., Ridolfi, L. (2017). "Network structure classification and features of water distribution systems." <i>Water Resource Research</i> , USA, 52 (8), 6171–6185.	Published Online 10.1002/2016WR020071
2	Pellegrino, R., Costantino, N., Giustolisi, O. (2017). "Flexible investment planning for water distribution networks." <i>Journal of Hydroinformatics</i> , IWA-IAHR, UK.	Published Online 10.2166/hydro.2017.023
3	Giustolisi, O. , Ugarelli, R., Berardi, L., Laucelli, D., Simone, A. (2017). "Strategies for the Electric Regulation of Pressure Control Valves." <i>Journal of Hydroinformatics</i> , IWA-IAHR, UK.	Published Online 10.2166/hydro.2017.101
4	Laucelli, D., Simone, A., Berardi, L., Giustolisi, O. , (2017). "Optimal Design of DMAs for Leakages Reduction." <i>Journal of Water Resource Planning and Management</i> , ASCE, USA.	Published Online 10.1061/(ASCE)WR.1943-5452.0000768
5	Mazzolani, G., Berardi, L., Laucelli, D., Simone, A., Martino, R., Giustolisi, O. , (2017). "Estimating Leakages in Water Distribution Networks based only on inlet flow data." <i>Journal of Water Resource Planning and Management</i> , ASCE, USA.	Published Online 10.1061/(ASCE)WR.1943-5452.0000758
6	Marques, J., Cunha, M., Savić, D., Giustolisi, O. (2017). Water Network Design Using a Multiobjective Real Options Framework <i>Journal of Optimization</i> .	Published Online 10.1155/2017/4373952
7	Simone, A., Giustolisi, O. , Laucelli, D. (2016). "A proposal of optimal sampling design using a modularity strategy." <i>Water Resource Research</i> , USA, 52 (8), 6171–6185.	0.1002/2016WR018944 .
8	Giustolisi, O. , Berardi, L., Laucelli, D., Savić, D., Kapelan, Z. (2016). "Operational and Tactical Management of Water and Energy Resources in Pressurized Systems: Competition at WDSA 2014." <i>Journal of Water Resource Planning and Management</i> , ASCE, USA, 142(5), C4015002 1-12.	10.1061/(ASCE)WR.1943-5452.0000583
9	Laucelli, D., Romano, M., Savić, D., Giustolisi, O. (2016). "Detecting anomalies in water distribution networks using EPR modelling paradigm." <i>Journal of Hydroinformatics</i> , IWA-IAHR, UK, 18 (3), 409–427.	10.2166/hydro.2015.113
10	Creaco, E., Berardi, L., Sun, S., Giustolisi, O. , Savić, D. (2016). "Selection of relevant input variables in storm water quality modeling by multiobjective evolutionary polynomial regression paradigm." <i>Water Resource Research</i> , USA, 52 (4), 2403–2419.	10.1002/2015WR017971
11	Berardi, L., Giustolisi, O. , Ridolfi, L. (2015). "General metrics for segmenting infrastructure networks." <i>Journal of Hydroinformatics</i> , IWA-IAHR, UK, 17 (4), 505–517.	10.2166/hydro.2015.102
12	Laucelli, D., Giustolisi, O. (2015). "Vulnerability assessment of water distribution networks under seismic actions." <i>Journal of Water Resource Planning and Management</i> , ASCE, USA, 141 (6), 04014082-1-13.	1061/(ASCE)WR.1943-5452.0000478
13	Giustolisi, O. , Moosavian, N. (2014). "Testing linear solvers for global gradient algorithm." <i>Journal of Hydroinformatics</i> , IWA-IAHR, UK, 16 (5), 1178–1193. Online publication: 10/05/2014	10.2166/hydro.2014.136
14	Giustolisi, O. , Ridolfi, L. (2014). "A novel infrastructure modularity index for the segmentation of water distribution networks." <i>Water Resource Research</i> , USA, 50 (10), 7648–7661 .	10.1002/2014WR016067
15	Giustolisi, O. , Ridolfi, L. (2014). "A new modularity-based approach to segmentation of water distribution network." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 140 (10), 04014049 1–14	10.1061/(ASCE)HY.1943-7900.0000916
16	Laucelli, D., Rajani, B., Kleiner, Y., Giustolisi, O. (2014). "Study on the relationship between weather and pipe bursts using evolutionary-based modelling." <i>Journal of Hydroinformatics</i> , IWA-IAHR, UK, 16 (4), 743–757. Online publication: 17/12/2013.	10.2166/hydro.2013.082
17	Berardi, L., Ugarelli, R., Røstum, J., Giustolisi, O. , (2014). "Assessing mechanical vulnerability in water distribution networks under multiple failures." <i>Water Resource Research</i> , USA, 50 (3), 2586–2599	10.1002/2013WR014770

18	Giustolisi, O. , Berardi, L., Laucelli, D. (2014). "Optimal water distribution network design accounting for valve shutdowns." <i>Journal of Water Resource Planning and Management</i> , ASCE, USA, 140(3), 327–338, Online publication: 31/10/2012.	10.1061/(ASCE)WR.1943-5452.0000327
19	Giustolisi, O. , Berardi, L., Laucelli, D. (2014). "Modeling local water storages delivering customer-demands in WDN models." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 140(1), 1–16, Online publication: 25/07/2013.	10.1061/(ASCE)HY.1943-7900.0000812
20	Berardi, L. Laucelli, D., Simeone, V., Giustolisi, O. , (2013). "Simulating floods in ephemeral streams in southern Italy by full-2d hydraulic models." <i>International Journal of River Basin Management</i> , Taylor & Francis, UK, 11(1), 1–17. Online publication: 12/11/2012.	10.1080/15715124.2012.746975
21	Giustolisi, O. , Laucelli, D., Berardi, L. (2013). "Operational optimization: water losses vs. energy costs." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 139(4), 410–423.	10.1061/(ASCE)HY.1943-7900.0000681
22	Dogliani, A., Simeone, V., Giustolisi, O. , (2012). "The activation of ephemeral streams in karst catchments of semi-arid regions." <i>Catena</i> , Elsevier Science, The Netherlands. 99, 54 – 65.	10.1016/j.catena.2012.07.008
23	Laucelli, D., Berardi, L., Giustolisi, O. , (2012). "Assessing climate change and asset deterioration impacts on water distribution networks: demand-driven or pressure-driven network modeling ?" <i>Environmental Modelling & Software</i> , Elsevier Science, The Netherlands, 27(11), 206 – 216.	10.1016/j.envsoft.2012.04.004
24	Giustolisi, O. , Berardi, L., Laucelli, D. (2012). "Accounting for directional devices in WDN modeling." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 138(10), 858 – 869.	10.1061/(ASCE)HY.1943-7900.0000585
25	Giustolisi, O. , Berardi, L., Laucelli, D., (2012). "Generalizing WDN simulation models to variable tank levels." <i>Journal of Hydroinformatics</i> , IWA-IAHR, UK, 14(3), 562 – 573.	10.2166/hydro.2011.224
26	Ostfeld, A., Giustolisi, O. , and Various authors (2012). "The Battle of the Water Calibration Networks (BWCN)." <i>Journal of Water Resource Planning and Management</i> , ASCE, 138(5), 523 – 532.	10.1061/(ASCE)WR.1943-5452.0000191
27	Giustolisi, O. , Walski, T.M. , (2012). "Demand Components in Water Distribution Network Analysis." <i>Journal of Water Resource Planning and Management</i> , ASCE, USA,138(4), 356 – 367.	10.1061/(ASCE)WR.1943-5452.0000187
28	Giustolisi, O. , Laucelli, D., Berardi, L., Savic, D.A. (2012). "A Computationally efficient modeling method for large size water network analysis." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 138(4), 313 – 326.	10.1061/(ASCE)HY.1943-7900.0000517
29	Giustolisi, O. , Laucelli, D., (2011). "Water distribution networks pressure-driven analysis using EGGA." <i>Journal of Water Resources Planning and Management</i> , ASCE, USA, 137(6), 498 – 510.	10.1061/(ASCE)WR.1943-5452.0000140
30	Ahangar-Asr, A., Faramarzi, A., Javadi, A.A., Giustolisi, O. (2011). "Modelling Mechanical Behaviour of Rubber Concrete Using Evolutionary Polynomial Regression." <i>Engineering Computations</i> , Emerald, UK, 28(4), 492 – 507.	10.1108/02644401111131902
31	Laucelli, D., Giustolisi, O. (2011). "Scour depth modelling by a multi-objective evolutionary paradigm." <i>Environmental Modelling & Software</i> , Elsevier Science, Netherlands, 26(4), 498 – 509.	10.1016/j.envsoft.2010.10.013
32	Giustolisi, O. , Berardi, L., (2011), "Water Distribution Network calibration using Enhanced GGA and topological analysis." <i>Journal of Hydroinformatics</i> , IWA, UK, 13(4), 621 – 641.	10.2166/hydro.2010.088
33	Giustolisi, O. , Berardi, L., Walski, T.M. (2011), "Some explicit formulations of Colebrook-White friction factor considering accuracy vs. computational speed." <i>Journal of Hydroinformatics</i> , IWA, UK. 13(3), 401 – 418.	10.2166/hydro.2010.098
34	Giustolisi, O. , (2010). "Considering actual pipe connections in WDN analysis." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 136(11), 889 – 900.	10.1061/(ASCE)HY.1943-7900.0000266
35	Berardi, L., Giustolisi, O. , Todini, E. (2010). "Accounting for uniformly distributed pipe demand in WDN analysis: Enhanced GGA." <i>Urban Water Journal</i> , Taylor & Francis, UK, 7(4), 243 – 255.	10.1080/1573062X.2010.491550

36	El-Baroudy, I., Elshorbagy, A., Carey, S.K., Giustolisi, O. , Savic D.A., (2010). "Comparison of Three Data-Driven Techniques in Modelling the Evapotranspiration Process." <i>Journal of Hydroinformatics</i> , IWA, UK, 12(4), 365 – 379.	10.2166/hydro.2010.029
37	Markus, M., Hejazi, M., Bajcsy, P., Giustolisi, O. , Savic, D.A., (2010). "Prediction of Weekly Nitrate-N Fluctuations in a Small Agricultural Watershed in Illinois." <i>Journal of Hydroinformatics</i> , IWA, UK, 12(3), 251 – 261.	10.2166/hydro.2010.064
38	Dogliani, A., Mancarella, D., Simeone, V., Giustolisi, O. , (2010), "Inferring Groundwater Dynamics from Time Series Data." <i>Hydrological Science Journal IAHS</i> , UK, 55(4), 593 – 608.	10.1080/02626661003747556
39	Giustolisi, O. , Savic, D.A. (2010). "Identification of segments and optimal isolation valve system design in water distribution networks." <i>Urban Water Journal</i> , Taylor & Francis, UK, 7(1), 1 – 15.	10.1080/15730620903287530
40	Rezania, M., Javadi, A.A., Giustolisi, O. , (2010). "Evaluation of liquefaction potential based on CPT results using Evolutionary Polynomial Regression." <i>Computers and Geotechnics</i> , Elsevier Sc., 27(1-2), 82 – 92.	10.1016/j.compgeo.2009.07.006
41	Giustolisi, O. , Berardi, L., (2009). "Prioritizing Pipe Substitution Considering Multiple Objective." <i>Journal of Water Resources Planning and Management</i> , ASCE, USA, 135(6), 484 – 492.	10.1061/(ASCE)0733-9496(2009)135:6(484)
42	Dogliani, A., Primativo, F., Laucelli, D., Monno, V., Soon-Thiam W., Giustolisi, O. (2009). "An integrated modeling approach for the assessment of land use change effects on wastewater infrastructures." <i>Environmental Modelling & Software</i> , Elsevier Science, Netherlands, 24(6), 1522 – 1528.	10.1016/j.envsoft.2009.06.006
43	Berardi, L., Giustolisi, O. , Savic, D.A., Kapelan, Z., (2009). "An effective multi-objective approach to prioritisation of sewer pipe inspection." <i>Water Science and Technology</i> , IWA, UK, 60(4), 841 – 850.	10.2166/wst.2009.432
44	Giustolisi, O. , Savic, D.A., (2009), "Advances in Data-Driven Analyses and Modelling Using EPR-MOGA." Special Issue on <i>Advances in Hydroinformatics</i> , <i>Journal of Hydroinformatics</i> , IWA,UK, 11(3), 225 – 236.	10.2166/hydro.2009.017
45	Savic, D.A., Giustolisi, O. , Laucelli, D., (2009). "Asset deterioration analysis using multi-utility data and multi-objective data mining techniques." Special Issue on <i>Advances in Hydroinformatics</i> , <i>Journal of Hydroinformatics</i> , IWA, UK, 11(3), 212 – 224.	10.2166/hydro.2009.019
46	Giustolisi, O. , Laucelli, D., Colombo, A., (2009). "Deterministic vs. Stochastic Design of Water Distribution Networks." <i>Journal of Water Resources Planning and Management</i> , ASCE, USA, 135(2), 117 – 127.	10.1061/(ASCE)0733-9496(2009)135:2(117)
47	Giustolisi, O. , Todini, E. (2009). "Pipe hydraulic resistance correction in WDN analysis." Special Issue on <i>WDS Model Calibration</i> , <i>Urban Water Journal</i> , Taylor & Francis, UK, 6(1), 39 – 52.	10.1080/15730620802541623
48	Giustolisi, O. , Kapelan, Z., Savic, D.A., (2008). "Extended Period Simulation Analysis Considering Valve Shutdowns." <i>Journal of Water Resources Planning and Management</i> , ASCE, USA, 134(6), 527 – 537.	10.1061/(ASCE)0733-9496(2008)134:6(527)
49	Rezania, M., Javadi, A.A., Giustolisi, O. , (2008). "An Evolutionary-Based Data Mining Technique for Assessment of Civil Engineering Systems." <i>Engineering Computations: International Journal for Computer-Aided Engineering and Software</i> , Emerald, UK, 25(6), 500 – 517.	10.1108/02644400810891526
50	Giustolisi, O. , Savic, D.A., Kapelan, Z., (2008). "Pressure-Driven Demand and Leakage Simulation for Water Distribution Networks." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 134(5), 626 – 635.	10.1061/(ASCE)0733-9429(2008)134:5(626)
51	Giustolisi, O. , Kapelan, Z., Savic, D.A., (2008). "An Algorithm for Automatic Detection of Topological Changes in Water Distribution Networks." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 134(4), 435 – 446.	10.1061/(ASCE)0733-9429(2008)134:4(435)
52	Berardi, L., Kapelan, Z., Giustolisi, O. , Savic, D.A., (2008).	10.2166/hydro.2008.012

	"Development of pipe deterioration models for Water Distribution Systems using EPR." <i>Journal of Hydroinformatics</i> , IWA, UK, 10(2), 113 – 126.	
53	Giustolisi, O. , Doglioni, A., Laucelli, D., (2008). "Determination of Friction Factor for Corrugated Drains." <i>Water Management Journal</i> , ICE, UK, 161(1), 31 – 42.	10.1680/wama.2008.161.1.31
54	Giustolisi, O. , Doglioni, A., Savic, D.A., di Pierro, F., (2008). "An Evolutionary Multi-Objective Strategy for the Effective Management of Groundwater Resources." <i>Water Resource Research</i> , USA, 44, W01403.	10.1029/2006WR005359
55	Doglioni, A., Giustolisi, O. , Savic, D.A., Webb, B.W., (2008). "An Evolutionary Approach to Stream Temperature Analysis." <i>Hydrological Processes</i> , John Wiley & Sons, UK, 22(3), 315 – 326.	10.1002/hyp.6607
56	Laucelli, D., Giustolisi, O. , Babovic, V., Kejizer, M., (2007). "Ensemble Modelling by Bootstrap Technique." <i>Journal of Hydroinformatics</i> , IWA,UK, 9(2), 95 – 106.	10.2166/hydro.2007.102
57	Giustolisi, O. , Doglioni, A., Savic, D.A., Webb, B., (2007). "A Multi-Model Approach to Analysis of Environmental Phenomena." <i>Environmental Modelling & Software</i> , Elsevier Science, Netherlands, 22(5), 674 – 682.	10.1016/j.envsoft.2005.12.026
58	Giustolisi, O. , Laucelli, D., Savic, D.A., (2006). "Development of Rehabilitation Plans for Water Mains Replacement Considering Risk and Cost-Benefit Assessment." <i>Journal of Civil Engineering and Environmental Systems</i> , Taylor & Francis, UK, 23(3), 175 – 190.	10.1080/10286600600789375
59	Giustolisi, O. , Simeone, V., (2006). "Multi-Objective Strategy in Artificial Neural Network Construction." <i>Hydrological Sciences Journal</i> , IAHS Press CEH Wallingford, UK, 51(3), 502 – 523.	10.1623/hysj.51.3.502
60	Savic, D.A., Giustolisi, O. , Berardi, L., Shepherd, W., Djordjevic, S., Saul, A. (2006), "Sewers Failure Analysis Using Evolutionary Computing." <i>Water Management Journal</i> , ICE, UK, 159(2), 111 – 118.	10.1680/wama.2006.159.2.111
61	Giustolisi, O. , (2006). "Using Multi-Objective Genetic Algorithm for SVM Construction." <i>Journal of Hydroinformatics</i> , IWA-IAHR Publishing, UK, 8(2), 125 – 139.	10.2166/hydro.2006.016
62	Giustolisi, O. , Savic, D.A., (2006). "A Symbolic Data-driven Technique Based on Evolutionary Polynomial Regression." <i>Journal of Hydroinformatics</i> , IWA, UK, 8(3), 207 – 222.	10.2166/hydro.2006.020
63	Giustolisi, O. , Laucelli, D., (2005), "Increasing Generalisation of Input-Output Artificial Neural Networks in Rainfall-Runoff Modelling." <i>Hydrological Sciences Journal</i> , IAHS Press CEH Wallingford, UK, 50(3), 439 – 457.	10.1623/hysj.50.3.439.65025
64	Giustolisi, O. , (2004). "Using Genetic Programming to Determine Chézy Resistance Coefficient in Corrugated Channels." <i>Journal of Hydroinformatics</i> , IWA, UK, 6(3), 157 – 173.	
65	Giustolisi, O. , (2004) "Sparse Solution in Training Artificial Neural Network." <i>NeuroComputing</i> , Elsevier Sc., Netherlands, 56C, 284 – 304.	10.1016/j.neucom.2003.09.005

ID	Authors, Year, Title, Conference Name, Editors Proceedings, Location	ISBN/DOI
1	Laucelli, D. B., Berardi, L., Simone, A., Raspati, G., Ugarelli, R. M., Giustolisi, O. (2017) "Hydraulic reliability analysis of a real network with remotely real- time controlled pressure control valves" In: "Computing and Control for the Water Industry (CCWI2017)" – paper F67	10.15131/shef.data.5364199
2	Berardi, L., Laucelli, D. B., Simone, A., Raspati, G., Ugarelli, R.M., Giustolisi, O. (2017) "Mechanical reliability analysis of a real network to support the design of Isolation Valve System" In: "Computing and Control for the Water Industry (CCWI2017)" – paper F68	10.15131/shef.data.5364055
3	Berardi L., Simone A., Laucelli D., Giustolisi O. (2017) "Feasibility of mass balance approach to Water Distribution Network model calibration", in XVIII International Conference on Water Distribution Systems, WDSA2016, Procedia Engineering, 186, 551–558.	10.1016/j.proeng.2017.03.269
4	Sophocles, S., Savic, D.A., Kapelan, Z., Giustolisi O. (2017) "A Two-stage Calibration for Detection of Leakage Hotspots in a Real Water Distribution Network", in XVIII International Conference on Water Distribution Systems, WDSA2016, Procedia Engineering, 186, 158–176.	10.1016/j.proeng.2017.03.223
5	Simone A., Berardi L., Laucelli D., Giustolisi O. (2017) "A Proposal of Optimal Sampling Design Using Infrastructure Modularity", in XVIII International Conference on Water Distribution Systems, WDSA2016, Procedia Engineering, 186, 559–566.	10.1016/j.proeng.2017.03.270
6	Laucelli D., Simone A., Berardi L., Giustolisi O. (2016) "Optimal Design of District Metering Areas". In: "International Conference on Efficient & Sustainable Water Systems Management toward Worth Living Development, 2nd EWaS 2016" Procedia Engineering, 162, 403-410.	10.1016/j.proeng.2016.11.081
7	Mazzolani, G., Berardi L., Laucelli D., Martino, R., Simone A., Giustolisi O. (2016) "A Methodology to Estimate Leakages in Water Distribution Networks Based on Inlet Flow Data Analysis". In: "International Conference on Efficient & Sustainable Water Systems Management toward Worth Living Development, 2nd EWaS 2016" Procedia Engineering, 162, 411-418.	10.1016/j.proeng.2016.11.082
8	Giustolisi O. (2016) "Enhanced WDN Hydraulic Modelling and Detection of Burst Leakages". In: "International Conference on Efficient & Sustainable Water Systems Management toward Worth Living Development, 2nd EWaS 2016" Procedia Engineering, 162, 3-14.	10.1016/j.proeng.2016.11.002
9	Berardi L., Laucelli D., Simone A., Mazzolani, G., Giustolisi O. (2016) "Active Leakage Control with WNetXL". In: "12th International Conference on Hydroinformatics (HIC 2016) - Smart Water for the Future" Procedia Engineering, 154, 62-70.	10.1016/j.proeng.2016.07.420
10	Laucelli D., Berardi L., Ugarelli, R., Simone A., Giustolisi O. (2016) "Supporting Real-time Pressure Control in Oppegård Municipality with WNetXL". In: "12th International Conference on Hydroinformatics (HIC 2016) - Smart Water for the Future" Procedia Engineering, 154, 71-79.	10.1016/j.proeng.2016.07.421
11	Berardi L., Laucelli D., Ugarelli R., Giustolisi O. (2015) Leakage Management: Planning Remote Real Time Controlled Pressure Reduction in Oppegård Municipality. In: "Computing and Control for the Water Industry (CCWI2015) - Sharing the best practice in water management" Procedia Engineering, Vol. 119, 72-81.	10.1016/j.proeng.2015.08.855
12	Giustolisi O. , Campisano A., Ugarelli R., Laucelli D., Berardi L. (2015) Leakage Management: WNetXL Pressure Control Module. In: "Computing and Control for the Water Industry (CCWI2015) - Sharing	10.1016/j.proeng.2015.08.856

	the best practice in water management” Procedia Engineering, Vol. 119, 82-90.	
13	Laucelli D., Berardi L., Giustolisi O. (2015) WDNNetXL: Hydraulic and Topology Analysis Integration and Features. In: “Computing and Control for the Water Industry (CCWI2015) - Sharing the best practice in water management” Procedia Engineering, Vol. 119, 669-679.	10.1016/j.proeng.2015.08.920
14	Berardi L., Laucelli D., Ugarelli R., Giustolisi O. (2015) Hydraulic System Modelling: Background Leakage Model Calibration in Oppegård Municipality. In: “Computing and Control for the Water Industry (CCWI2015) - Sharing the best practice in water management” Procedia Engineering, Vol. 119, 633-642.	10.1016/j.proeng.2015.08.916
15	Laucelli D, Berardi L, Politano G, Giustolisi O (2014). Seismic Reliability Assessment of Water Distribution Networks. In: 12th International Conference on Computing and Control for the Water Industry, CCWI2013. PROCEDIA ENGINEERING, vol. 70, p. 998-1007, ISSN: 1877-7058, Perugia, 2-4 September 2013	0.1016/j.proeng.2014.02.111
16	Berardi L, Laucelli D., Giustolisi O. (2014). “Accounting for Local Water Storages in Assessing WDN Supply Capacity”. In: 12th International Conference on Computing and Control for the Water Industry, CCWI2013. PROCEDIA ENGINEERING, vol. 70, p. 142-151, ISSN: 1877-7058, Perugia, 2-4 September 2013	10.1016/j.proeng.2014.02.017
17	Berardi L., Liu S., Laucelli D, Xu S, Xu P, Zeng W, Giustolisi O. (2014). “Energy Saving and Leakage Control in Water Distribution Networks: A Joint Research Project between Italy and China.” In: 12th International Conference on Computing and Control for the Water Industry, CCWI2013. PROCEDIA ENGINEERING, vol. 70, p. 152-161, ISSN: 1877-7058, Perugia, 2-4 September 2013	10.1016/j.proeng.2014.02.018
18	Giustolisi O , Berardi L, Laucelli D (2014). “Supporting Decision on Energy vs. Asset Cost Optimization in Drinking Water Distribution Networks.” In: 12th International Conference on Computing and Control for the Water Industry, CCWI2013. PROCEDIA ENGINEERING, vol. 70, p. 734-743, ISSN: 1877-7058, Perugia, 2-4 September 2013	10.1016/j.proeng.2014.02.080
19	Laucelli D, Berardi L, Politano G, Giustolisi O (2014). Seismic Reliability Assessment of Water Distribution Networks. In: 12th International Conference on Computing and Control for the Water Industry, CCWI2013. PROCEDIA ENGINEERING, vol. 70, p. 998-1007, ISSN: 1877-7058, Perugia, 2-4 September 2013	10.1016/j.proeng.2014.02.111
20	Berardi L, Laucelli D., Giustolisi O. (2014). “Accounting for Local Water Storages in Assessing WDN Supply Capacity”. In: 12th International Conference on Computing and Control for the Water Industry, CCWI2013. PROCEDIA ENGINEERING, vol. 70, p. 142-151, ISSN: 1877-7058, Perugia, 2-4 September 2013	10.1016/j.proeng.2014.02.017
21	Berardi L., Liu S., Laucelli D, Xu S, Xu P, Zeng W, Giustolisi O. (2014). “Energy Saving and Leakage Control in Water Distribution Networks: A Joint Research Project between Italy and China.” In: 12th International Conference on Computing and Control for the Water Industry, CCWI2013. PROCEDIA ENGINEERING, vol. 70, p. 152-161, ISSN: 1877-7058, Perugia, 2-4 September 2013	10.1016/j.proeng.2014.02.018
22	Giustolisi O , Berardi L, Laucelli D (2014). “Supporting Decision on Energy vs. Asset Cost Optimization in Drinking Water Distribution Networks.” In: 12th International Conference on Computing and Control for the Water Industry, CCWI2013. PROCEDIA ENGINEERING, vol. 70, p. 734-743, ISSN: 1877-7058, Perugia, 2-4 September 2013	10.1016/j.proeng.2014.02.080

23	Berardi, L., Laucelli, D., Giustolisi, O. , (2012), "A decision support tool for operational optimization in WDN _{et} XL", Water Distribution Systems Analysis, WDSA 2012, The Institution of Engineers, Australia 11 National Circuit, Barton, ACT 2600, Australia, pp 48-65.	978-1-922197-58-9
24	Ugarelli, R., Røstum, J., Giustolisi, O. , (2012), "Reliability analysis of the water distribution network of Oslo using WDN _{et} XL", Water Distribution Systems Analysis, WDSA 2012, The Institution of Engineers, Australia 11 National Circuit, Barton, ACT 2600, Australia, pp 1072-1087.	978-1-922197-58-9
25	Walski, T.M., Giustolisi, O. , (2012), "An overview of water demand: volume vs. pressure based demands", Water Distribution Systems Analysis, WDSA 2012, The Institution of Engineers, Australia 11 National Circuit, Barton, ACT 2600, Australia, pp 1392-1399.	978-1-922197-58-9
26	Laucelli, D., Berardi, L., Doglioni, A. and Giustolisi, O. , (2012). "EPR-MOGA-XL: an excel based paradigm to enhance transfer of research achievements on data-driven modeling", Proceedings of 10th International Conference on Hydroinformatics HIC 2012, 14-18 July, Hamburg, Germany, R. Hinkelmann, M.H. Nasermoaddeli, S.Y. Liong, D. Savic, P. Fröhle (Eds).	978-3-941492-45-5
27	Laucelli, D., Berardi, L. and Giustolisi, O. , (2012). "An efficient paradigm to transfer research results on data-driven modeling: the case of ANN-MOGA-XL", Proceedings of 10th International Conference on Hydroinformatics HIC 2012, 14-18 July, Hamburg, Germany, R. Hinkelmann, M.H. Nasermoaddeli, S.Y. Liong, D. Savic, P. Fröhle (Eds).	978-3-941492-45-5
28	Berardi, L., Laucelli, D., Giustolisi, O. , (2012). "A comparison between demand-driven and pressure-driven network modeling paradigms to assess climate change and asset deterioration impacts on water distribution networks", Proceedings of 10th International Conference on Hydroinformatics HIC 2012, 14-18 July, Hamburg, Germany, R. Hinkelmann, M.H. Nasermoaddeli, S.Y. Liong, D. Savic, P. Fröhle (Eds).	978-3-941492-45-5
29	Doglioni, A. Berardi, L., Simeone V., Giustolisi, O. , (2012). "Activation of ephemeral streams in semi-arid regions" Proceedings of the 5th International Perspective on Water Resources and the Environment IPWE 2012, ASCE, Marrakech, Morocco.	
30	Doglioni, A. Berardi, L., Simeone V., Giustolisi, O. , (2012). "Full-2D rainfall runoff hydraulic modeling for delimitation of flood prone areas", Proceedings of the 5th International Perspective on Water Resources and the Environment IPWE 2012, ASCE, Marrakech, Morocco.	
31	Berardi, L., Laucelli, D., Giustolisi, O. , (2011), "Supporting flooding risk assessment in ephemeral streams in Southern Italy", Proceedings of Computer and Control in Water Industry (CCWI), September 5-7, Exeter, UK, D.A.Savic, Z. Kapelan, D. Butler (Eds) Vol. 1, pp 229-234.	0-9539140-5-4
32	Giustolisi, O. , Savic, D.A., Berardi, L., Laucelli, D., (2011), "An Excel-based solution to bring water distribution network analysis closer to users", Proceedings of Computer and Control in Water Industry (CCWI), September 5-7, Exeter, UK, D.A.Savic, Z. Kapelan, D. Butler (Eds) Vol. 3, pp 805-810.	0-9539140-8-9
33	Laucelli, D., Berardi, L., Giustolisi, O. , (2011), "A proposal of topological sampling design", Proceedings of Computer and Control in Water Industry (CCWI), September 5-7, Exeter, UK, D.A.Savic, Z. Kapelan, D. Butler (Eds) Vol. 3, pp 811-816.	0-9539140-8-9
34	Giustolisi, O. , Savic, D.A., Laucelli, D., Berardi, L., (2011), "Testing linear solvers for WDN models", Proceedings of Computer and Control	0-9539140-8-9

	in Water Industry (CCWI), September 5-7, Exeter, UK, D.A.Savic, Z. Kapelan, D. Butler (Eds) Vol. 3, pp 817-822.	
35	Savic, D.A., Giustolisi, O. , (2011), "Simplification strategies for water distribution system modelling", Proceedings of 34 th IAHR World Congress, June 26 - July 1, Brisbane, AU,	9780858258686
36	Dogliani, A., Simeone, V., and Giustolisi, O. , (2011), "Karst and porous aquifer dynamic analysis by EPR", Proceedings of the 4 th ASCE-EWRI International Perspective on Water Resources & the Environment (formerly entitled Singapore 2011), ASCE (CD-ROM).	
37	Berardi, L., Laucelli, D., Giustolisi, O. , (2011), "Comprehensive approach to short-time planning of water distribution network rehabilitation", Proceedings of the 4 th ASCE-EWRI International Perspective on Water Resources & the Environment (formerly entitled Singapore 2011), ASCE (CD-ROM).	
38	Giustolisi, O. , Laucelli, D., Savic, D.A., (2010), "Simulation and component analysis of water distribution networks", 9 th International Conference on Hydroinformatics, HIC 2010, Tianjin, China, J. Tao, Q. Chen & S.Y. Liong (Eds), Research Publishing, Vol. 2, pp 837-844.	978-7-122-09314-1
39	Berardi, L., Laucelli, D., Giustolisi, O. , (2010), "Accounting for uncertainty of variables in data-driven modelling by EPR", 9 th International Conference on Hydroinformatics, HIC 2010, Tianjin, China, J. Tao, Q. Chen & S.Y. Liong (Eds), Research Publishing, Vol. 2, pp 1009-1017.	978-7-122-09314-1
40	Burovskiy, P., Kapelan, Z., Savic, D.A., Giustolisi, O. (2010), "An attempt to improve numerical stability of EPANET 2 hydraulic solver", 9 th International Conference on Hydroinformatics, HIC 2010, Tianjin, China, J. Tao, Q. Chen & S.Y. Liong (Eds), Research Publishing, Vol. 1, pp 172-178.	978-7-122-09314-1
41	Guidolin, M., Savic, D.A., Kapelan, Z., Giustolisi, O. , (2010), "High performance hydraulic simulations with EPANET on Graphics Processing Units", 9 th International Conference on Hydroinformatics, HIC 2010, Tianjin, China, J. Tao, Q. Chen & S.Y. Liong (Eds), Research Publishing, Vol. 2, pp 897-904.	978-7-122-09314-1
42	Giustolisi, O. , Savic, D.A., Kapelan, Z., (2010), "Analysis of simplification errors for water distribution models", Water Distribution Systems Analysis, WDSA 2010, Tucson, Arizona.	978-0-7844-1203-9 Doi: 10.1061/41203(425)125
43	Berardi, L., Laucelli, D., Giustolisi, O. , (2010), "A tool for preliminary WDN topological analysis", Water Distribution Systems Analysis, WDSA 2010, Tucson, Arizona.	978-0-7844-1203-9 Doi: 10.1061/41203(425)23
44	Laucelli, D., Berardi, L., Giustolisi, O. , (2010), "Advancements in water distribution network simulation by Enhanced GGA", Water Distribution Systems Analysis, WDSA 2010, Tucson, Arizona.	Doi: 10.1061/41203(425)7 978-0-7844-1203-9
45	Laucelli, D., Vamvakeridou-Lyroudia, L.S., Kapelan, Z., Savic, D.A., Berardi, L., Barbaro, G., Giustolisi, O. , "Calibration of water distribution system using topological analysis", Water Distribution Systems Analysis, WDSA 2010, Tucson, Arizona.	Doi: 10.1061/41203(425)147 978-0-7844-1203-9
46	Giustolisi O. , (2009), "Comprehensive pressure-driven analysis of WDN using GIS data", Invited in World City Water Forum 2009, U-City & Hydroinformatics Special Symposium, August 18-2, Incheon Seul, Korea, CD-ROM Edition, University of Incheon R&D Center, Songdo-Dong, Yoensu-Gu, Incheon, 406-840, Korea, pp. 2138-2150.	ISSN: 2092-6464
47	Giustolisi, O. , Berardi, L., Todini, E., (2009), "Advancements on pipe hydraulic resistance correction in WDN analysis", Proceedings of	978-0-415-54851-9

	Computer and Control in Water Industry (CCWI), September 2-4, Sheffield, UK, Boxal and Maksimovic. (eds), Taylor & Francis Group, London, pp. 217-223.	
48	Giustolisi, O. , Doglioni, A., Laucelli, D., (2009), "Pressure driven analysis of water distribution networks based on the knowledge of the actual connection to properties", in proceedings of Computer and Control in Water Industry (CCWI), September 2-4, Sheffield, UK, Boxal and Maksimovic. (eds), Taylor & Francis Group, London, pp. 209-215.	978-0-415-54851-9
49	Doglioni, A., Primativo, F., Giustolisi, O. , (2009), "A more realistic simulation of a real water distribution system based on an enhanced demand driven model", in proceedings of Computer and Control in Water Industry (CCWI), September 2-4, Sheffield, UK, Boxal and Maksimovic. (eds), Taylor & Francis Group, London, pp. 195-201.	978-0-415-54851-9
50	Laucelli, D., Doglioni, A., Giustolisi, O. , (2009), "Hydraulic reliability analysis using a pressure-driven network simulation model", in proceedings of Computer and Control in Water Industry (CCWI), September 2-4, Sheffield, UK, Boxal and Maksimovic. (eds), Taylor & Francis Group, London, pp. 233-239.	978-0-415-54851-9
51	Doglioni, A., Giustolisi, O. , Marano, G., (2009), "Automatic design of water distribution systems: a comparison among different optimization techniques based on genetic algorithms", 1 st International Conference on Soft Computing Technology in Civil, Structural and Environmental Engineering (CSC2009), Funchal, Madeira Island, Portugal, September 1-4.	
52	Giustolisi, O. , (2009), "Enhanced WDN Analysis: Representation of Actual Pipe Connections", Environmental & Water Resources Congress 2009 - Great Rivers, May 17-21, Kansas City, Missouri, USA, ASCE Publisher, S. Starrett Editor, (CD-ROM Edition) pp. 219-227.	978-0-7844-1036-3 doi:10.1061/41036(34)2)22
53	Berardi, L., Giustolisi, O. , Todini, E. (2009), "Enhanced Global Gradient Algorithm: a general formulation", Environmental & Water Resources Congress 2009 - Great Rivers, May 17-21, Kansas City, Missouri, USA, ASCE Publisher, S. Starrett Editor, (CD-ROM Edition) pp. 209-218.	978-0-7844-1036-3 doi:10.1061/41036(34)2)21
54	Berardi, L., Giustolisi, O. , Savic, D.A. (2009), "An operative approach to water distribution system rehabilitation", Environmental & Water Resources Congress 2009 - Great Rivers, May 17-21, Kansas City, Missouri, USA, ASCE Publisher, S. Starrett Editor, (CD-ROM Edition) pp. 238-250.	978-0-7844-1036-3 doi:10.1061/41036(34)2)24
55	Laucelli, D., Giustolisi, O. , Savic, D.A., (2009), "Data-based modeling: a comparison between artificial neural networks and evolutionary polynomial regression", 8 th International Conference on Hydroinformatics, HIC 2009, Concepción, Chile, 12 th – 16 th January, (CD-ROM edition).	978-981-08-2099-2
56	Doglioni, A., Giustolisi, O. , Joksimovic, D., Kapelan, Z., Savic, D.A., (2009), "Induction of lagrangian sewer flow models using evolutionary polynomial regression", 8 th International Conference on Hydroinformatics, HIC 2009, Concepción, Chile, 12 th – 16 th January, (CD-ROM edition).	978-981-08-2099-2
57	Savic, D.A., Giustolisi, O. , Laucelli, D. (2008), "Asset performance analysis using multi-utility data and multi-objective data mining techniques", Proc. 11th International Conference on Urban Drainage, (ICUD), Edinburgh, UK, CD-ROM edition.	
58	Berardi, L., Giustolisi, O. , Savic, D.A., Kapelan, Z. (2008), "An	

	effective multi-objective approach for prioritisation of sewer pipe inspections”, Proc. 11th International Conference on Urban Drainage, (ICUD), Edinburgh, UK, CD-ROM edition.	
59	Doglioni, A., Primativo, F., Giustolisi, O. , Carbonara, A. (2008), “Scenarios of contaminant diffusion on a medium size urban water distribution network”, Water Distribution Systems Analysis, WDSA 2008, Kruger National Park, South Africa, ASCE, Reston, Va., pp. 951-965.	978-0-7844-1024-0 doi:10.1061/41024(34)084
60	Berardi, L., Colombo, A., Giustolisi, O. , (2008) “Optimal pipe replacement accounting for leakage reduction and isolation valves”, Water Distribution Systems Analysis, WDSA 2008, Kruger National Park, South Africa, ASCE, Reston, Va., pp. 638-651.	978-0-7844-1024-0 doi:10.1061/41024(34)054
61	Giustolisi, O. , Kapelan, Z., Savic, D.A., (2008), “Detecting topological changes in large water distribution networks”, Water Distribution Systems Analysis, WDSA 2008, Kruger National Park, South Africa, ASCE, Reston, Va., pp. 865-872.	978-0-7844-1024-0 doi:10.1061/41024(34)075
62	Giustolisi, O. , Savic, D.A., (2008), “Optimal design of isolation valve system for water distribution networks”, Water Distribution Systems Analysis, WDSA 2008, Kruger National Park, South Africa, ASCE, Reston, Va., pp. 348-360.	978-0-7844-1024-0 doi:10.1061/41024(34)031
63	Laucelli, D., Giustolisi, O. Todini, E., (2008), “New concepts and tools for pipe network design”, Water Distribution Systems Analysis, WDSA 2008, Kruger National Park, South Africa, ASCE, Reston, Va., pp. 242-253.	978-0-7844-1024-0 doi:10.1061/41024(34)022
64	Giustolisi, O. , (2008), “New Tools for More Realistic Network Simulation and Reliability Assessments”, Proc. of WEX Workshop, Marbella, Spain (CD-ROM).	
65	Savic, D.A., Kapelan, Z., Farmani, R., Giustolisi, O. , (2007), “Optimal design and management of water distribution systems”, Proc. Workshop on Numerical Modelling of Hydrodynamics for Water Resources, Zaragoza, Spain.	
66	Mancarella, D., Doglionni, A., Simeone, V., Giustolisi, O. , (2007), “Inferring groundwater dynamics from time series data”, International Conference ModelCARE 2007, Calibration and Reliability in Groundwater Modelling. Copenhagen September 9-13.	
67	Giustolisi, O. , Kapelan, Z., Savic, D.A., (2007), “A hydraulic simulation model for pipe networks with leakage outflows and pressure-driven demand”, World Environmental and Water Resources Congress, EWRI 2007, Tampa, Florida, (CD-ROM).	0-7844-0927-7 doi:10.1061/40927(24)3454
68	Giustolisi, O. , Kapelan, Z., Savic, D.A., (2007), “A simulation model for detecting topological changes in a water distribution network”, World Environmental and Water Resources Congress, EWRI 2007, Tampa, Florida, (CD-ROM).	0-7844-0927-7 doi:10.1061/40927(24)3504
69	Giustolisi, O. , Laucelli, D., (2007), “More realistic water distribution network design using pressure-driven demands and leakages”, in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 177-183.	978-0-415-45415-5
70	Giustolisi, O. , Berardi, L., (2007), “Pipe level burst prediction using EPR and MCS-EPR”, in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 39-46.	978-0-415-45415-5
71	Giustolisi, O. , Doglionni, A., (2007), “A pressure-driven approach for water distribution system modelling”, in proceedings of Computer and	978-0-415-45415-5

	Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 143-149.	
72	Laucelli, D., Colombo, A., Mastrotrilli, M., Giustolisi, O. , (2007), “Deterministic design as starting point for Stochastic multi-objective design of water distribution networks”, in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 397-404.	978-0-415-45415-5
73	Berardi, L., Giustolisi, O. , Primativo, F., (2007), “Exploiting multi-objective strategies for optimal rehabilitation planning”, in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 23-30.	978-0-415-45415-5
74	Colombo, A., Giustolisi, O. , (2007), “A metamodeling approach for water system calibration”, in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 137-142.	978-0-415-45415-5
75	Dogliani, A., Primativo, F., Savic, D., Giustolisi, O. , (2007), “Possible scenarios of contaminant diffusion in water distribution systems: which is the best moment to place a strike?”, in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 257-263.	978-0-415-45415-5
76	Kapelan, Z., Giustolisi, O. , Savic, D., (2007), “Procedure for the risk assessment of water supply interruption due to mechanical pipe failures”, in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 55-59, ISBN 978-0-415-45415-5.	
77	Kapelan, Z., Savic, D., Giustolisi, O. , Berardi, L., (2006), “Development of water and wastewater pipe failure prediction models using EPR”, Proc. 14, Savetovanje DHI, Novi Sad, Serbia, 13-15 Nov 2006, CD-ROM edition, (in Serbian).	
78	Laucelli, D., Colombo A.F., Giustolisi, O. , (2006) “Multi-Objective design of artificial neural networks: pipe failure analysis”, 7 th International Conference on Hydroinformatics, HIC 2006, Nice, France, P. Gourbesville, J. Cunge, V. Guinot & S.Y. Liong (Eds), Research Publishing, Vol. 1, pp 733-740.	81-903170-1-6
79	Berardi, L., Kapelan, Z., Savic, D.A., Giustolisi, O. , (2006), “Modelling sewer performance indicators”, 7 th International Conference on Hydroinformatics, HIC 2006, Nice, France, P. Gourbesville, J. Cunge, V. Guinot & S.Y. Liong (Eds), Research Publishing, Vol. 4, pp 2829-2836.	81-903170-1-6
80	Giustolisi, O. , Kapelan, Z., Savic, D.A., (2006), “Multi-objective Evolutionary Polynomial Regression”, 7 th International Conference on Hydroinformatics, HIC 2006, Nice, France, P. Gourbesville, J. Cunge, V. Guinot & S.Y. Liong (Eds), Research Publishing, Vol. 1, pp 725-732.	81-903170-1-6
81	Mancarella, D., Dogliani, A., Simeone, V., Giustolisi, O. , (2006), “Seeking scientific knowledge from environmental time series data”, 7 th International Conference on Hydroinformatics, HIC 2006, Nice, France, P. Gourbesville, J. Cunge, V. Guinot & S.Y. Liong (Eds), Research Publishing, Vol. 2, pp 1407-1414.	81-903170-1-6

82	Berardi, L., Savic, D.A., Giustolisi, O. , (2005), "Investigation of burst-prediction formulas for water distribution systems by evolutionary computing", Computer and Control in Water Industry (CCWI), Vol.2, pp. 275-280.	09 5391 403 8
83	Giustolisi, O. , Laucelli, D., Savic, D.A., (2005), "A decision support framework for short-time planning of rehabilitation", Computer and Control in Water Industry (CCWI), Vol.1, pp. 39-44.	09 5391 402 X
84	Giustolisi, O. , Doglioni, A., (2005), "Water Distribution Systems analysis", Computer and Control in Water Industry (CCWI), Vol.1, pp. 51-56.	09 5391 402 X
85	Giustolisi, O. , Mastroilli, M., (2005), "A simple sampling design strategy for water distribution systems", Computer and Control in Water Industry (CCWI), Vol.1, pp. 179-184.	09 5391 402 X
86	Giustolisi, O. , Savic, D.A., (2004), "Decision Support for Water Distribution System Rehabilitation Using Evolutionary Computing", ACTUI International Conference, Exeter, UK. pp.76-83.	0-9539140-1-1
87	Giustolisi, O. , Savic, D.A., (2004), "A Novel Genetic Programming Strategy: Evolutionary Polynomial Regression", Hydroinformatics 2004, Singapore, Liong, Phoon & Babovic (eds), World Scientific Publishing Company, Vo.1, pp. 787-794.	981-238-787-0
88	Giustolisi, O. , Savic, D.A., Doglioni, A., (2004), "Data Reconstruction and Forecasting by Evolutionary Polynomial Regression", Hydroinformatics 2004, Singapore, Liong, Phoon & Babovic (eds), World Scientific Publishing Company, Vo.2, pp. 1245-1252.	981-238-787-0
89	Giustolisi, O. , Savic, D.A., Doglioni, A., Laucelli, D., (2004), "Knowledge Discovery by Evolutionary Polynomial Regression", Hydroinformatics 2004, Singapore, Liong, Phoon & Babovic (eds), World Scientific Publishing Company, Vo.2, pp. 1647-1654.	981-238-787-0
90	Giustolisi, O. , Laucelli, D., (2004), "A new method to train Multi-layer Perceptrons as Support Vector Machines", Hydroinformatics 2004, Singapore, Liong, Phoon & Babovic (eds), World Scientific Publishing Company, Vo.2, pp. 1605-1612.	981-238-787-0
91	Giustolisi, O. , Savic, D.A., and Laucelli, D., (2004), "Data Mining for Management and Rehabilitation of Water Systems: The Evolutionary Polynomial Regression Approach", Annual Conference on Hydraulic Engineering, pp. 285-296.	3-86005-414-7
92	Giustolisi, O. , Doglioni, A., Savic, D.A., Webb, B., (2004), "A multi-model approach to analysis of environmental phenomena", Pahl-Wostl, C., Schmidt, S., Rizzoli, A.E. and Jakeman, A.J. (eds), 2 nd Biennial Meeting of the International Environmental Modelling and Software Society, Manno, Switzerland, iEMSs. (Awarded in Student Competition for Natural Systems).	88-900787-1-5
93	Calomino, F., Giustolisi, O. , Laucelli, D., Miglio, A., (2004), "Hydraulics of corrugated pipes and control of sewer solids", Novatech.	
94	Giustolisi, O. , Doglioni, A., Savic, D.A., and di Pierro F., (2004), "A new multiobjective strategy to support model selection for environmental modelling", 4 th International Workshop on Environmental Applications of Machine Learning Bled, Slovenia, September 27 - October 1.	

Signature

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

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