Curriculum Vitae

# Personal Data and Education

Born in Matera July 8th 1963.

1989 – Degree in Civil Engineering cum laude, University of Bari, Italy.

1995 – PhD in Hydraulic Engineering. University of Naples “Federico II”, Italy*.*

# Main Employment History

1995 – 2000: Research Fellow, Engineering Faculty of Taranto, Technical University of Bari, Italy.

2001 – 2003: Associate Professor, Engineering Faculty of Taranto, Technical University of Bari, Italy.

2003: Full Professor, Engineering Faculty of Taranto, Technical University of Bari, Italy.

2006 – 2009: Dean of the Engineering Faculty of Taranto, Technical University of Bari, Italy.

2006 – 2009: Member of the Academic Council of the Technical University of Bari, Italy.

2014 –: Member of the Administration Council of the Technical University of Bari, Italy.

# Recent International Scientific Activity and Appointments

Editor of the Journal of Hydroinformatics (<http://www.iwaponline.com/jh/default.htm>) (2015 –)

Editor in Chief of the Journal of Hydroinformatics (<http://www.iwaponline.com/jh/default.htm>) (2009 –)

Member of the:

* International Scientific Committee of the International Conferences on Hydroinformatics (2004 –).
* International Scientific Committee of Computing and Control for the Water Industry Conferences (2005 –).
* International Scientific Committee of Water Distribution System Analysis Conferences (2008 –).
* International Scientific Committee of International Perspective on Water Resources & the Environment (2010, 2012).
* International Program Committee of Genetic Programming at GECCO (2014, 2015)
* Scientific Advisory Committee of “[River basins, reservoir sedimentation and water resources](http://www.iaeg2014.com/eg-topics-experts/20-3river-basins-reservoir-sedimentation-and-water-resources)” (IAEG 2014)
* Oversight Scientific Committee of Water System Analysis Conferences (2008 –).
* Member IWA Leadership Team for the Hydroinformatics section (2011 –).
* Chair IWA Leadership Team for the Hydroinformatics section (2015 –).

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

Invited speaker World City Water Forum, 2009.

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

Reviewer for more than 10 international journals and Outstanding Reviewer Prize for IWA, 2006.

Honorary Visiting Professor at University of Exeter, UK (2008 –).

Chair of the technical program of and Control for the Water Industry (CCWI 2013)

Chair of the technical program Water Distribution System Analysis (WDSA 2014)

# Recent Research Interests

Data-Modelling and soft-computing for environmental systems

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

Hydroinformatics and decision support systems

Flooding and risk mapping

Water Distribution Systems analysis, planning and design

* Network Simulation Models
* Reliability Analysis and Rehabilitation Planning
* Pumping Optimization
* Leakage reduction and control

# Research Transfer

Cofounder in July 2013 and 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*

**WDNetXL**: 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 **WDNetXL**. 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 to design and train 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 to perform symbolic data-driven modelling. It is especially useful for data from environmental phenomena and worldwide used in many fields of civil engineering.

# Research Transfer Projects

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

Role: Scientific Responsible of Italian Research Unit.

2014 - “Innovation in Water Infrastructure - New Generation  - InnoWatING”, number: 234975. Project Owner: City of Oslo Water and Sewerage Works, funded by Research Council of Norway.

Role: Scientific Responsible of Italian Research Unit.

2013 - “Energy saving and leakage control in water distribution networks: development of a decision support system” included in January 2013 among significant research projects eligible for funding within the framework of the **“Agreement on Scientific and Technological Cooperation” between Italian Government and Chinese Government**. (not started yet).

Role: Scientific Responsible of Italian Research Unit.

2012 - “Tools and procedures for an advanced and sustainable management of water distribution systems” – Scientific Research Program of Relevant National Interest – **PRIN2012** (Prot. 20127PKJ4X) – Italian Ministry of University and Research (MIUR).

Role: Scientific Responsible of local research unit.

2010 - “Innovative tools for water distribution network simulation and analysis” - Scientific Research Program of Relevant National Interest – **PRIN2008** (Prot. 20084AX2MF\_002) - Italian Ministry of University and Research (MIUR).

Role: Scientific Responsible of local research unit.

# Bibliographic Indices

GOOGLE SCHOLAR CITATIONS H-index = 25, Number of Citations = 1869

SCOPUS H-index = 20, Number of Citations = 1218

ISI WEB OF SCIENCE H-index = 17, Number of Citations = 888

# Papers Summary (2004 -)

|  |  |
| --- | --- |
| Journal name | Number of papers |
| *Journal of Hydroinformatics* | 16 |
| *Journal of Hydraulic Engineering* | 8 |
| *Journal of Water Resources Planning and Management* | 9 |
| *Environmental Modelling & Software* | 4 |
| *Water Resource Research* | 3 |
| *Urban Water Journal* | 3 |
| *Hydrological Sciences Journal* | 3 |
| *Hydrological Processes* | 2 |
| *Engineering Computations* | 2 |
| *Water Management Journal* | 2 |
| *Water Science and Technology* | 1 |
| *NeuroComputing* | 1 |
| *Computers and Geotechnics* | 1 |
| *International Journal of River Basin Management* | 1 |
| *Catena* | 1 |
| *Total* | **56** |
| *International Proceedings* | **76** |
| *National Journal/Proceedings/Books and Other* | **24** |

# Journal papers (2004 - )

|  |  |  |
| --- | --- | --- |
| ID | Authors, Year, Title, Journal, Editor, Issue, Pages | DOI |
|  | **Giustolisi, O.,** Berardi, L., Laucelli, D., Savic, D., Kapelan, Z. (2015). “Operational and Tactical Management of Water and Energy Resources in Pressurized Systems: Competition at WDSA 2014.” *Journal of Water Resource Planning and Management,* ASCE, USA, Online publication: 27/08/2015. | [10.1061/(ASCE)WR.1943-5452.0000583](http://ascelibrary.org/doi/abs/10.1061/%28ASCE%29WR.1943-5452.0000583) |
|  | Berardi, L., **Giustolisi, O.,** Ridolfi, L. (2015). “General metrics for segmenting infrastructure networks.” *Journal of Hydroinformatics*, IWA-IAHR, UK, 17 (4), 505–517. | 10.2166/hydro.2015.102 |
|  | **Giustolisi, O.,** Moosavian , N.(2014). “Testing linear solvers for global gradient algorithm.” *Journal of Hydroinformatics*, IWA-IAHR, UK, IWA-IAHR, UK, 16 (5), 1178–1193. Online publication: 10/05/2014 | 10.2166/hydro.2014.136 |
|  | Laucelli, D., **Giustolisi, O.** (2014). “Vulnerability assessment of water distribution networks under seismic actions.” *Journal of Water Resource Planning and Management,* ASCE, USA, 140 (10), 04014082-1-13. | [1061/(ASCE)WR.1943-5452.0000478](http://ascelibrary.org/doi/abs/10.1061/%28ASCE%29WR.1943-5452.0000478) |
|  | **Giustolisi, O.,** Ridolfi, L. (2014). “A novel infrastructure modularity index for the segmentation of water distribution networks.” *Water Resource Research*, USA, 50 (10), 7648–7661 . | 10.1002/2014WR016067 |
|  | **Giustolisi, O.,** Ridolfi, L. (2014). “A new modularity-based approach to segmentation of water distribution network.” *Journal of Hydraulic Engineering,* ASCE, USA, 140 (10), 04014049 1–14 | [10.1061/(ASCE)HY.1943-7900.0000916](http://ascelibrary.org/doi/abs/10.1061/%28ASCE%29HY.1943-7900.0000916) |
|  | Laucelli, D., Rajani, B., Kleiner, Y., **Giustolisi, O.** (2014). “Study on the relationship between weather and pipe bursts using evolutionary-based modelling.” *Journal of Hydroinformatics*, IWA-IAHR, UK, 16 (4), 743–757. Online publication: 17/12/2013. | 10.2166/hydro.2013.082 |
|  | Berardi, L., Ugarelli, R. , Røstum, J., **Giustolisi, O.**, (2014). “Assessing mechanical vulnerability in water distribution networks under multiple failures.” *Water Resource Research*, USA, 50 (3), 2586–2599 | 10.1002/2013WR014770 |
|  | **Giustolisi, O.,** Berardi, L., Laucelli, D. (2014). “Optimal water distribution network design accounting for valve shutdowns.” *Journal of Water Resource Planning and Management,* ASCE, USA, 140(3), 327–338, Online publication: 31/10/2012. | 10.1061/(ASCE)WR.1943-5452.0000327 |
|  | **Giustolisi, O.,** Berardi, L., Laucelli, D. (2014). “Modeling local water storages delivering customer-demands in WDN models.” *Journal of Hydraulic Engineering,* ASCE, USA, 140(1), 1–16, Online publication: 25/07/2013. | 10.1061/(ASCE)HY.1943-7900.0000812 |
|  | Berardi, L. Laucelli, D., Simeone, V., **Giustolisi, O.,** (2013). “Simulating floods in ephemeral streams in southern Italy by full-2d hydraulic models.” *International Journal of River Basin Management,* Taylor & Francis, UK, 11(1), 1–17. Online publication: 12/11/2012. | 10.1080/15715124.2012.746975 |
|  | **Giustolisi, O.,** Laucelli, D., Berardi, L. (2013). “Operational optimization: water losses vs. energy costs.” *Journal of Hydraulic Engineering,* ASCE, USA, 139(4), 410–423. | 10.1061/(ASCE)HY.1943-7900.0000681 |
|  | Doglioni, A., Simeone, V., **Giustolisi, O.**, (2012). “The activation of ephemeral streams in karst catchments of semi-arid regions.” *Catena*, Elsevier Science, The Netherlands. 99, 54 – 65. | 10.1016/j.catena.2012.07.008 |
|  | 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 ?” *Environmental Modelling & Software*, Elsevier Science, The Netherlands, 27(11), 206 – 216. | 10.1016/j.envsoft.2012.04.004 |
|  | **Giustolisi, O.,** Berardi, L., Laucelli, D. (2012). “Accounting for directional devices in WDN modeling.” *Journal of Hydraulic Engineering,* ASCE, USA, 138(10), 858 – 869. | [10.1061/(ASCE)HY.1943-7900.0000585](http://link.aip.org/link/doi/10.1061/(ASCE)HY.1943-7900.0000585) |
|  | **Giustolisi, O.,** Berardi, L., Laucelli, D., (2012). “Generalizing WDN simulation models to variable tank levels.” *Journal of Hydroinformatics*, IWA-IAHR, UK, 14(3), 562 – 573. | 10.2166/hydro.2011.224 |
|  | Ostfeld, A., **Giustolisi, O.,** and Various authors (2012). “The Battle of the Water Calibration Networks (BWCN).” *Journal of Water Resource Planning and Management,* ASCE, 138(5), 523 – 532. | [10.1061/(ASCE)WR.1943-5452.0000191](http://dx.doi.org/10.1061/(ASCE)WR.1943-5452.0000140) |
|  | **Giustolisi, O.,** Walski, T.M. , (2012). “A Demand Components in Water Distribution Network Analysis.” *Journal of Water Resource Planning and Management,* ASCE, USA,138(4), 356 – 367. | [10.1061/(ASCE)WR.1943-5452.0000187](http://dx.doi.org/10.1061/(ASCE)WR.1943-5452.0000140) |
|  | **Giustolisi, O.,** Laucelli, D., Berardi, L., Savic, D.A. (2012). “A Computationally efficient modeling method for large size water network analysis.” *Journal of Hydraulic Engineering,* ASCE, USA, 138(4) , 313 – 326. | 10.1061/(ASCE)HY.1943-7900.0000517 |
|  | **Giustolisi, O.,** Laucelli, D., (2011). “Water distribution networks pressure-driven analysis using EGGA.” *Journal of Water Resources Planning and Management*, ASCE, USA, 137(6), 498 – 510. | [10.1061/(ASCE)WR.1943-5452.0000140](http://dx.doi.org/10.1061/(ASCE)WR.1943-5452.0000140) |
|  | Ahangar-Asr, A., Faramarzi, A., Javadi, A.A.,**Giustolisi, O.** (2011). “Modelling Mechanical Behaviour of Rubber Concrete Using Evolutionary Polynomial Regression.” *Engineering Computations*, Emerald, UK, 28(4), 492 – 507. | [10.1108/02644401111131902](http://dx.doi.org/10.1108/02644401111131902) |
|  | Laucelli, D., **Giustolisi, O.** (2011). “Scour depth modelling by a multi-objective evolutionary paradigm.” *Environmental Modelling & Software*, Elsevier Science, Netherlands, 26(4), 498 – 509. | 10.1016/j.envsoft.2010.10.013 |
|  | **Giustolisi, O.**, Berardi, L., (2011), “Water Distribution Network calibration using Enhanced GGA and topological analysis.*” Journal of Hydroinformatics*, IWA, UK, 13(4), 621 – 641. | 10.2166/hydro.2010.088 |
|  | **Giustolisi, O.**, Berardi, L., Walski, T.M. (2011), “Some explicit formulations of Colebrook-White friction factor considering accuracy vs. computational speed.” *Journal of Hydroinformatics*, IWA, UK.13(3), 401 – 418. | 10.2166/hydro.2010.098 |
|  | **Giustolisi, O.,** (2010). “Considering actual pipe connections in WDN analysis.” *Journal of Hydraulic Engineering*, ASCE, USA, 136(11), 889 – 900. | [10.1061/(ASCE)HY.1943-7900.0000266](http://dx.doi.org/10.1061/(ASCE)HY.1943-7900.0000266) |
|  | Berardi, L., **Giustolisi, O.,** Todini, E. (2010). “Accounting for uniformly distributed pipe demand in WDN analysis: Enhanced GGA.” *Urban Water Journal,* Taylor & Francis, UK, 7(4), 243 – 255. | 10.1080/1573062X.2010.491550 |
|  | 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.” *Journal of Hydroinformatics*, IWA, UK, 12(4), 365 – 379. | 10.2166/hydro.2010.029 |
|  | 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.” *Journal of Hydroinformatics*, IWA, UK, 12(3), 251 – 261. | 10.2166/hydro.2010.064 |
|  | Doglioni, A., Mancarella, D., Simeone, V., **Giustolisi, O.**, (2010), “Inferring Groundwater Dynamics from Time Series Data.” *Hydrological Science Journal* IAHS, UK, 55(4), 593 – 608. | 10.1080/02626661003747556 |
|  | **Giustolisi, O.**, Savic, D.A. (2010). “Identification of segments and optimal isolation valve system design in water distribution networks.” *Urban Water Journal,* Taylor & Francis, UK, 7(1), 1 – 15. | 10.1080/15730620903287530 |
|  | Rezania, M., Javadi, A.A.,**Giustolisi, O.**, (2010). “Evaluation of liquefaction potential based on CPT results using Evolutionary Polynomial Regression.” *Computers and Geotechnics*, Elsevier Sc., 27(1-2), 82 – 92. | 10.1016/j.compgeo.2009.07.006 |
|  | **Giustolisi, O.,** Berardi, L., (2009). “Prioritizing Pipe Substitution Considering Multiple Objective.” *Journal of Water Resources Planning and Management*, ASCE, USA, 135(6), 484 – 492. | 10.1061/(ASCE)0733-9496(2009)135:6(484) |
|  | Doglioni, 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.” *Environmental Modelling & Software*, Elsevier Science, Netherlands, 24(6), 1522 – 1528. | 10.1016/j.envsoft.2009.06.006 |
|  | Berardi, L., **Giustolisi, O.**, Savic, D.A., Kapelan, Z., (2009). “An effective multi-objective approach to prioritisation of sewer pipe inspection.” *Water Science and Technology*, IWA, UK, 60(4), 841 – 850. | 10.2166/wst.2009.432 |
|  | **Giustolisi, O.**, Savic, D.A., (2009), “Advances in Data-Driven Analyses and Modelling Using EPR-MOGA.” Special Issue on *Advances in Hydroinformatics*, *Journal of Hydroinformatics*, IWA,UK, 11(3), 225 – 236. | 10.2166/hydro.2009.017 |
|  | Savic, D.A., **Giustolisi, O.**, Laucelli, D., (2009). “Asset deterioration analysis using multi-utility data and multi-objective data mining techniques.” Special Issue on *Advances in Hydroinformatics*, *Journal of Hydroinformatics*, IWA, UK, 11(3), 212 – 224. | 10.2166/hydro.2009.019 |
|  | **Giustolisi, O.,** Laucelli, D., Colombo, A., (2009). “Deterministic vs. Stochastic Design of Water Distribution Networks.” *Journal of Water Resources Planning and Management*, ASCE, USA, 135(2), 117 – 127. | 10.1061/(ASCE)0733-9496(2009)135:2(117) |
|  | **Giustolisi, O.**, Todini, E. (2009). “Pipe hydraulic resistance correction in wdn analysis.” Special Issue on *WDS Model Calibration, Urban Water Journal,* Taylor & Francis, UK, 6(1), 39 – 52. | 10.1080/15730620802541623 |
|  | **Giustolisi, O.,** Kapelan, Z., Savic, D.A., (2008). “Extended Period Simulation Analysis Considering Valve Shutdowns.” *Journal of Water Resources Planning and Management*, ASCE, USA, 134(6), 527 – 537. | 10.1061/(ASCE)0733-9496(2008)134:6(527) |
|  | Rezania, M., Javadi, A.A.,**Giustolisi, O.**, (2008). “An Evolutionary-Based Data Mining Technique for Assessment of Civil Engineering Systems.” *Engineering Computations: International Journal for Computer-Aided Engineering and Software*, Emerald, UK, 25(6), 500 – 517. | 10.1108/02644400810891526 |
|  | **Giustolisi, O.,** Savic, D.A., Kapelan, Z., (2008). “Pressure-Driven Demand and Leakage Simulation for Water Distribution Networks.” *Journal of Hydraulic Engineering*, ASCE, USA, 134(5), 626 – 635. | 10.1061/(ASCE)0733-9429(2008)134:5(626) |
|  | **Giustolisi, O.,** Kapelan, Z., Savic, D.A., (2008). “An Algorithm for Automatic Detection of Topological Changes in Water Distribution Networks.” *Journal of Hydraulic Engineering*, ASCE, USA, 134(4), 435 – 446. | 10.1061/(ASCE)0733-9429(2008)134:4(435) |
|  | Berardi, L., Kapelan, Z., **Giustolisi, O.**, Savic, D.A., (2008). “Development of pipe deterioration models for Water Distribution Systems using EPR.” *Journal of Hydroinformatics*, IWA, UK*,* 10(2), 113 – 126. | 10.2166/hydro.2008.012 |
|  | **Giustolisi, O.**, Doglioni, A., Laucelli, D., (2008). “Determination of Friction Factor for Corrugated Drains.” *Water Management* *Journal*, ICE, UK, 161(1), 31 – 42. | 10.1680/wama.2008.161.1.31 |
|  | **Giustolisi, O.**, Doglioni, A., Savic, D.A., di Pierro, F., (2008). “An Evolutionary Multi-Objective Strategy for the Effective Management of Groundwater Resources.” *Water Resource Research*, USA, 44, W01403. | 10.1029/2006WR005359 |
|  | Doglioni, A., **Giustolisi, O.**, Savic, D.A., Webb, B.W., (2008). “An Evolutionary Approach to Stream Temperature Analysis.” *Hydrological Processes*, John Wiley & Sons, UK, 22(3), 315 – 326. | 10.1002/hyp.6607 |
|  | Laucelli, D., **Giustolisi, O.**, Babovic, V., Kejizer, M., (2007). “Ensemble Modelling by Bootstrap Technique.” *Journal of Hydroinformatics,* IWA,UK, 9(2), 95 – 106. | 10.2166/hydro.2007.102 |
|  | **Giustolisi, O.**, Doglioni, A., Savic, D.A., Webb, B., (2007). “A Multi-Model Approach to Analysis of Environmental Phenomena.” *Environmental Modelling & Software*, Elsevier Science, Netherlands, 22(5), 674 – 682. | 10.1016/j.envsoft.2005.12.026 |
|  | **Giustolisi, O.**, Laucelli, D., Savic, D.A., (2006). “Development of Rehabilitation Plans for Water Mains Replacement Considering Risk and Cost-Benefit Assessment.” *Journal of* *Civil Engineering and Environmental Systems,* Taylor & Francis, UK, 23(3), 175 – 190. | 10.1080/10286600600789375 |
|  | **Giustolisi, O.**, Simeone, V., (2006). “Multi-Objective Strategy in Artificial Neural Network Construction.” *Hydrological Sciences Journal*, IAHS Press CEH Wallingford, UK, 51(3), 502 – 523. | 10.1623/hysj.51.3.502 |
|  | Savic, D.A., **Giustolisi, O.**, Berardi, L., Shepherd, W., Djordjevic, S., Saul, A. (2006), “Sewers Failure Analysis Using Evolutionary Computing.” *Water Management Journal*, ICE, UK, 159(2), 111 – 118. | 10.1680/wama.2006.159.2.111 |
|  | **Giustolisi, O.**, (2006). “Using Multi-Objective Genetic Algorithm for SVM Construction.” *Journal of Hydroinformatics*, IWA-IAHR Publishing, UK, 8(2), 125 – 139. | 10.2166/hydro.2006.016 |
|  | **Giustolisi, O.**, Savic, D.A., (2006). “A Symbolic Data-driven Technique Based on Evolutionary Polynomial Regression.” *Journal of Hydroinformatics*, IWA, UK, 8(3), 207 – 222. | 10.2166/hydro.2006.020 |
|  | **Giustolisi, O.**, Laucelli, D., (2005), “Increasing Generalisation of Input-Output Artificial Neural Networks in Rainfall-Runoff Modelling.” *Hydrological Sciences Journal*, IAHS Press CEH Wallingford, UK, 50(3), 439 – 457. | 10.1623/hysj.50.3.439.65025 |
|  | **Giustolisi, O.**, (2004). “Using Genetic Programming to Determine Chèzy Resistance Coefficient in Corrugated Channels.” *Journal of Hydroinformatics*, IWA, UK, 6(3), 157 – 173. |  |
|  | **Giustolisi, O.**, (2004) “Sparse Solution in Training Artificial Neural Network.” *NeuroComputing*, Elsevier Sc., Netherlands, 56C, 284 – 304. | 10.1016/j.neucom.2003.09.005 |

# International Book/Proceedings (2004 -)

|  |  |  |
| --- | --- | --- |
| ID | Authors, Year, Title, Conference Name, Editors Proceedings, Location | ISBN |
|  | 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 | doi: 0.1016/j.proeng.2014.02.111 |
|  | 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 | doi: 10.1016/j.proeng.2014.02.017 |
|  | 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 | doi: 10.1016/j.proeng.2014.02.018 |
|  | **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 | doi: 10.1016/j.proeng.2014.02.080 |
|  | Berardi, L., Laucelli, D., **Giustolisi, O.**, (2012), “A decision support tool for operational optimization in WDNetXL”, 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 |
|  | Ugarelli, R., Røstum, J., **Giustolisi, O.**, (2012), “Reliability analysis of the water distribution network of Oslo using WDNetXL”, 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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. |  |
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