

Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Marco Fantozzi**
Address(es) VIA FORCELLA, 29 25064 GUSSAGO (BS), ITALY
Telephone(s) +39 030 2524372 Mobile: +39 339 5923610
Fax(es)
E-mail Marco.fantozzi@email.it
Nationality Italian
Date of birth 14.06.1960
Gender Male

Work experience

Dates 2004 – 2015:
Occupation or position held Director of Studio Marco Fantozzi
Main activities and responsibilities Responsible for implementation of water loss management projects in various countries worldwide
Name and address of employer Marco Fantozzi Via Forcella 29, 25064 Gussago, Italy
Type of business or sector Water loss management in water distribution systems

Dates 1987 – 2004:
Occupation or position held Various positions including: Manager responsible for operation of Water and Gas Distribution, Responsible for Rehabilitation of gas, water, district heating networks, Responsible for new business development etc.
Main activities and responsibilities He was responsible for projects of construction of water and gas networks, application of no-dig technologies and implementation of leakage control on water and gas networks.
Name and address of employer ASM Brescia (now A2A) Via Lamarmora 230, 25124 Brescia, Italy
Type of business or sector Public utility managing water, waste water, gas, energy, waste collection and disposal, district heating and other services for the city of Brescia and other municipalities in the province of Brescia

Dates 1985 – 1987
Occupation or position held Consultant to Lombarda and R&D Prefabricated
Main activities and responsibilities He worked as a consultant for civil and industrial Prefabrication Companies.
Name and address of employer Self employed
Type of business or sector Construction

Education and training

Dates 1980-1985
Title of qualification awarded Master of Science in Civil Engineering, Milan Polytechnic,
Principal subjects/occupational skills covered
Name and type of organisation providing education and training Milan Polytechnic, Milano, Italy

Dates 1992-1994
Title of qualification awarded Master in Business Administration for Public Utilities
Principal subjects/occupational skills covered
Name and type of organisation providing education and training SDA Bocconi Milan University, Milano, Italy

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English, Spanish**

Self-assessment

Understanding

Speaking

Writing

European level ()*

Listening

Reading

Spoken interaction

Spoken production

English

C1 Proficient user

C1 Proficient user

C1 Proficient user

C1 Proficient user

C1 Proficient user

Spanish

A2 Basic user

B1 Independent user

A2 Basic user

A2 Basic user

A2 Basic user

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

Organisational skills and competences

Strong planning and organizational skills together with communication skills and ability to collaborate across organizational boundaries.

Computer skills and competences

Good command of Microsoft Office tools (Word, Excel, Power Point)

Technical skills and competences

Marco Fantozzi specializes in consultancy and software for water loss management (LEAKS software, www.studiomarcofantozzi.it and www.leakssuite.com) **and in personnel training on water systems efficient management.** Marco Fantozzi is a key Member of International Water Association (IWA) "Water Loss" Specialist Group with 27 years experience in water loss management and efficient management of water distribution systems. He actively promotes the application of the IWA practical approach to water loss management methodology in Italy and abroad (Belgium, Denmark, Finland, Cyprus, Croatia, Slovenia, Argentina, Bulgaria, FYROM, Brazil, Israel, New Zealand, Romania, Russia, etc.). Together with Allan Lambert, a recognized international expert, he has been capable to influence a number of water utilities in various countries and regional regulators in Italy to adopt international best practice methodology on water loss management and calculation of Economic Level of Leakage.

Marco Fantozzi is the originator and the Technical Coordinator of the Italian "Water Losses" Group and has been responsible for many training courses on water loss management for FederUtility (the Italian Water Association).

Marco Fantozzi was the **chairperson** of the **IWA WaterLossEurope Conference** in 2012 (www.waterlosseurope.com) and of the **IWA WaterIDEAS Conference** in 2014 (www.waterideas2014.com) at H2O Exhibition (the largest water fair in Italy).

Marco Fantozzi is a Member of the Scientific Committee of following IWA conferences:

- IWA Water Loss World Conference.in Bangalore (India) www.waterloss2016.com
- IWA Water Loss Regional Conference.in Bucharest (Romania) www.waterloss2015.araexpoapa.ro/ro/
- IWA Water Loss World Conference.in Bucharest (Romania)

Marco Fantozzi is the **Team Leader** of IWA "Water Loss" Task Force of the **'Night Use components of Minimum Night Flows'** Initiative, in charge of analysis of minimum night flow components.

As a member of the work group "Structural Diagnostic" of C.N.R. (Italian National Research Council) he defined a code of practice on leak detection using the cross-correlation method.

As a technical trainer, he participated in more than 50 training courses on water loss management in Italy and abroad and he participated in more than 50 international conferences presenting more than 100 papers on these matters including economic management of water losses and ELL calculation.

He has been Guest lecturer at University of Catania, Perugia and Brescia (Italy), Tel Aviv (Israel) and Buenos Aires (Argentina).

Marco Fantozzi is **a member of drafting group WG PoM E U of the WFD** (Water Framework Directive) CIS (Common Implementation Strategy) which in October 2014 delivered the **EU Reference Document: Good Practices on Leakage Management.** The importance of the development of this reference document within the framework of the WFD CIS is to raise attention and increase knowledge of the issue of leakage management and to contribute to mitigating the potential negative impacts of leakage on reaching WFD article 4 objectives among all European Member States and stakeholders.

Honors & Awards

In 2014 Marco has been invited to join the **IWA Fellows** in recognition of the valuable contributions he has made to the International Water Association and has been nominated **IWA water loss regional representative for South East Europe.**

Technical skills and competences

He is a member of Expert Evaluators Panel for the 5th, 6th and 7th Framework Research Program of the European Commission for the Key Action “Sustainable Management and Quality of Water”. He has been involved as an expert evaluator in following EC research activities: SME CRAFT APRIL 2002 - MARIECURIE MAY 2001 - DEC 2001 - WATER INNO&DEMO of FP7-ENV-2013 Research & Innovation Program.

He is/has been involved in the following EC funded projects in the water and wastewater sector:

- Consultant in “**PROACTIVE**” project funded by Region Lombardy (Italy) with the European Fund for Regional Development (FESR) Smart Cities and Communities. The project started in March 2014. The concept at the heart of PROACTIVE is listening to the territory, through an innovative synthesis of heterogeneous sources: databases of structured PA, data collected by sensors (including leak detection sensors) of new generation based on high-speed networks and reliability, and data provided by citizens understood as “smart sensors”. <http://www.proactiveproject.eu/>

- Consultant in “**iCeWater**” project (ICT Solutions for efficient Water Resources Management), a major European project funded by the 7th Framework Program of the European Commission started in Oct. 2012. iCeWater will increase the stability of freshwater supply to citizens in urban areas by adjusting the water supply to the actual consumption, while minimizing energy consumption through smart-grid integration and water spillage through leak detection. <http://www.icewater-project.eu/>

- Member of the “**WISDOM**” Special Interest Group to strengthen successful outcome of the work. The WISDOM (Water analytics and Intelligent Sensing for Demand Optimised Management) project, supported by the European Commission under the 7th Framework, aims at achieving a step change in water and energy savings via the integration of innovative Information and Communication Technologies (ICT) frameworks to optimize water distribution networks and to enable change in consumer behaviour through innovative demand management and adaptive pricing schemes. <http://www.wisdom-project.eu/>

- Member of the “**SMARTH2O**” Scientific Committee to support successful outcome of the project. Smart H2O project will proactively engage citizens by means of cooperative awareness tools, such as water consumption profiling and feedback, persuasive games for behavior change, and computer-supported community work. Results will be deployed in two challenging use cases, in selected districts of London (UK) and Locarno (CH), potentially reaching millions of users. <http://smarth2o.deib.polimi.it/>

- Promoter (with Institute of Communication and Computer Systems (ICCS) of the Un.Athens, Greece) and consultant in the Project “**Aquaknight**” a three years project recently approved by ENPI CBC Mediterranean Sea Basin Programme and started in Dec 2011. Aquaknight Specific Objectives include: 1) the development of five parallel pilot projects in Egypt, Jordan, Tunisia, Cyprus and Italy for the transfer of experience in integrated planning and management of water distribution networks - 2) capacity building of water companies and public institutions to promote water saving and water demand management - 3) to promote synergies and collaborative actions for tackling water scarcity in the Mediterranean basin - 4) To transfer the knowledge and state-of-the-art techniques for efficient water management. <http://www.aquaknight.eu/>

- Consultant in “**WaterPipe**” project (Integrated High Resolution Imaging Ground Penetrating Radar and Decision Support System for WATER PIPEline Rehabilitation), a major European project funded by the “Integrating and strengthening the European Research Area” Program of the European Commission, focused on developing Decision Support Tools that will advance the state of the art in water pipe rehabilitation and in water loss location. <http://www.waterpipe-eu.org/>

- Consultant in “**TILDE**” project (Tool for Integrated Leakage Detection) The project has been co-financed by the Innovation and SME programme of the European Commission. The project, performed by Water Research Centre (UK), SGI (Italy) SINTEF (NO) and other partners, was focused on optimising leakage management, application of innovative technologies to reduce and control leaks and implementation of a Decision Support System to support district metered areas management. <http://www.waterportal.com/>

- Project Director of the “**Integrated LIFE-LAW**” Project that provided an innovative approach to the implementation of the European Community Directive for controlling the discharge deriving from urban and industrial areas to water bodies – through the integration of advanced decision-making tools (Mouse, Mike11, Stoat). The project has been co-financed by European Commission in the “LIFE” ’96 Program. The project, performed by ASM (IT) in partnership with Danish Hydraulic Institute (Denmark), Water Research Centre (UK), University of Brescia, Municipality of Lumezzane and Province of Brescia (Italy).

- Responsible for ASM (Partner) in the Project “**Wastewater Pollution Load Monitor**”, co-financed by the European Commission in the “BRITE-EURAM” ’97 Program”. The project provided new instruments for measuring polluting load in wastewater based on optical properties. The project has been implemented by ASM (IT), Water Research Centre (UK), University of Dublin (Ireland), Interenge (Portugal), Opdix (Germany), etc. http://cordis.europa.eu/result/rcn/27857_en.html

- Official Observer in the Project “**T.V.P. Integrated Planning and Management of Urban Drainage, Wastewater Treatment and Receiving Water Systems**”, co-financed by European Commission in the frame of “Technology Validation Project” ’96.

Project record

Project record include:

- CSTB (France) - 2015-2016, Consultant to support technical activities in La Spezia innovative pilot of the WISDOM project funded by EC.
- CAP Holding – Milano (Italy) 2015-2016, Consultant to analyse the performance of the water distribution system of Mantova and other systems managed by TEA, including water audit, calculation of water balance and PIs as well as the definition of the most appropriate water loss reduction strategy.
- Metropolitana Milanese – Milano (Italy) 2011-2015, Consultant to analyse the performance of the water distribution system of Milano, including water audit, calculation of water balance and PIs, as well as the definition of the most appropriate water loss reduction strategy.
- TEA Mantova – Mantova (Italy) 2012-2015, Consultant to analyse the performance of the water distribution system of Mantova and other systems managed by TEA, including water audit, calculation of water balance and PIs, domestic meter testing as well as the definition of the most appropriate water loss reduction strategy.
- ASVT (A2A group) – Gardone VT (BS), Italy, 2014, Consultant to provide leakage management strategy services and apply pressure management to control pressures and reduce water loss.
- Acquedotto del Fiora (Italy), May 2014, Training on water loss management & pressure management
- Siemens (Munich, Germany), Mar 2014, Advanced training on pressure management and transient analysis at Siemens in collaboration with Deltares (Nederland).
- Water utility Drama (Greece), 2014, Training and consultancy on water balance, water loss management and pressure management.
- SMAT Torino (Italy), Jan 2014, Training on water loss management, pressure management and meters replacement policy.
- Dewatergroep (Brussels, Belgium), Dec 2013, Training on water loss management, pressure management and meters replacement policy.
- Grundfos (Denmark), June-Sep 2013, Training and collaboration on definition of a pressure management white paper.
- European Commission (Belgium), May 2013, Expert evaluator for European Commission in Topic ENV.2013.WATER INNO&DEMO of FP7-ENV-2013 Research & Innovation Program.
- Deltares (Nederland) – Amsterdam (NL) 2012, Support in advanced training on pressure management and transient analysis at Waternet (Amsterdam water utility).
- Miya Bahamas – Nassau (Bahamas) 2012, Consultant to support the Baseline Survey regarding the status of Non-Revenue Water in New Providence island managed by the Bahamas Water & Sewerage Corporation (WSC).
- Brianzacque, Dolomiti Reti, CONSAC, (Italy) 2011 Consultant to support the implementation of water loss control strategy, including water balance, district metering and pressure management.
- Ato5 Asti (Regulator), CCAM, ASP, ACq. Valtiglione & Acq Piana (Italy) - 2009 to 2011 Trainer to support application of IWA Methodology by all water utilities in Asti Province.
- FederUtility (Italy) - Organisation of a national Seminars and Workshops to promote IWA WLTF Methodologies for Water Loss Management, various locations, Italy 2004 to 2011, Responsible for providing training on water loss management to Italian Water Utilities.
- Mey Sheva (Israel) - Consultant to support the implementation of water loss control strategy and pressure management in the distribution system of Ber Sheva using integrated mathematical models and specialist water loss software.
- MIYA 2008 to 2012 Consultant to support application of water loss control projects in various projects worldwide (Romania, Russia, Georgia, Israel, Turkey, etc.).
- IRISAcqua - Gorizia (Italy) 2008 to 2010, Application of water loss control strategy and pressure management to reduce water loss and energy consumption in water system and provide domestic meter testing as a part of the Non Revenue Water Project, establishing a scientifically based domestic meter replacement programme.
- New Zealand Water and Wastes Association – New Zealand 2008, Trainer to support application of IWA Methodology by local water utilities in New Zealand.
- S. Petersburg, Russia 2007 – 2008, Support application of water loss control strategy and pressure management to reduce water loss and energy consumption in water system.
- ENIA Reggio Emilia – Reggio Emilia (Italy) 2007 to 2010, Consultant to provide support in implementation of advanced pressure management and domestic meter testing as a part of the Non Revenue Water Project, establishing a scientifically based domestic meter replacement plan.
- ACEGAS-APS – Padova, Italy 2007 – 2008, Project Consultant to provide domestic meter testing as a part of the Non Revenue Water Project, establishing a scientifically based domestic meter replacement programme.
- Acea Pinerolese – Pinerolo, Italy 2007, Project Consultant to provide domestic meter testing as a part of the Non Revenue Water Project, establishing a scientifically based domestic meter replacement programme.
- CCAM – Moncalvo, Italy 2007 – 2008, Project Consultant to provide domestic meter testing as a part of the Non Revenue Water Project, establishing a scientifically based domestic meter replacement programme.
- Region Piedmont - Turin, Italy 2007- Organisation of regional Seminars and Workshops to promote IWA WLTF Methodologies for Water Loss Management.
- Various Water Utilities in Piedmont , Italy 2007- Responsible for providing training on leakage management to Water Utilities in Piedmont and apply water loss control strategy and pressure management to control pressures and reduce water loss in pilot case studies.

Project record

Project record include:

- ASCAA Parma – Parma, Italy 2007, Project Consultant to provide specialist software and training on water loss management.
- AYSA Buenos Aires – Argentina, 2007, Project Consultant to provide water loss management strategy services to reduce and control water losses for the City of Buenos Aires.
- ASM Brescia – Brescia, Italy, 2007 to 2008, Consultant to provide leakage management strategy services and apply pressure management to control pressures and reduce water loss for various water networks in Brescia province.
- AGS Azienda Gardesana Servizi – Peschiera del Garda, Italy, 2006 to 2007, Consultant to provide leakage management strategy services and apply pressure management to control pressures and reduce water loss for the City of Peschiera.
- Acquedotto del FIORA, Grosseto, Italy 2006 to 2011 – Water Loss Assessment and Pressure Management. Specialist consultant contracted to provide recommendations on water loss reduction strategy and apply water loss control strategy and pressure management.
- Lemosos Water Board, Lemosos (Cyprus) – Training on water loss management, 2006, Consultant contracted to provide specialist software and training on water loss management.
- AQP – Bari, Italy 2006, Consultant to provide training on water loss management.
- AMGA Genova (Italy) – Water Loss Assessment and Pressure Management, Genova, Italy 2004 to 2007, Specialist consultant contracted to provide recommendations on the City wide water loss reduction strategy and apply water loss control strategy and pressure management to control pressures and reduce water loss for two districts of the City.
- ENIA Reggio Emilia (Italy) – Review of economic water loss targets, Reggio Emilia (Italy) 2005 to 2007, Specialist consultant contracted to develop specialist software for water loss management, and critically review water loss strategy and economic targets for water loss control. Project area covers approximately 0.5 million inhabitants.
- ABBANOIA, Sardinia (Italy) - Water Loss Assessment and Pressure Management, Cagliari, Italy 2004 to 2006, Project Consultant to provide leakage management strategy services, demonstrating the effectiveness of leak detection methodology.

Additional information

Papers and Publications

- November 2015 Fantozzi M. - Workshop "Taking the Smart Water Journey with the SWAN Forum at Aquatech Fair, Amsterdam (NL) - November 2015- **"Help Italian water utilities to be more efficient in a challenging environment "**.
- October 2015 Fantozzi M. - Conference SMART WATER IN THE CITY OF THE FUTURE, Milano (IT) - October 2015- **"EU Reference Document Good Practices on Leakage Management WFD CIS WG PoM"**.
- October 2015 Fantozzi M. - ITALIAN DHI CONFERENCE 2015, Torino (IT) - October 2015 - **Moderator of the Session: "Advanced management of water distribution networks"**.
- October 2015 Lanfranchi, E., Fantozzi M. - Festival dell'Acqua Utilitalia - Milano (IT) - October 2015 - **Advanced management of pressure and leakage in urban water networks: Milan case study**
- September 2015 Lanfranchi, E., Fantozzi M. - Conference Forum Telecontrollo 2015, Milano (IT) - September 2015- **"Pressure control in Milan water distribution system"**.
- June 2015 Fantozzi M., Lambert A. - IWA Regional Conference WaterLoss Conference, Bucharest, Romania - June 2015 - **Introduction: 'Fit for purpose' leakage performance indicators**
- June 2015 Fantozzi M. Calza F. - IWA Regional Conference WaterLoss Conference, Bucharest, Romania - June 2015 - **Italian Case Study: Water Utility of Reggio Emilia**
- Apr 2015 Fantozzi M. - Coordinator and speaker at Workshop dell'IIR (Istituto di Ricerca Internazionale), Milan, Italy, April 2015 - **Smart Water in Smart Cities: Soluzioni innovative per il controllo delle perdite e dei consumi nella rete idrica e per l'efficienza energetica**
- Apr 2015 Fantozzi M. - 5th SWAN (Smart Water Networks Forum) Annual Conference Smart Water : the time is Now!, London, UK - April 2015 - **Moderator of the Session: How can we use data to offer innovative customer service solutions?**
- March 2015 Fantozzi M. - Global Leakage Conference, London (UK) - March 2015 - **Advanced leakage management in TeaAcque water utility in Mantova (Italy).**
- March 2015 Fantozzi M. - Servizi a Rete Tour, Milano, Italy - March 2015 - **Introduction to the new "EU Reference Document Good Practices on Leakage Management WFD CIS WG PoM"**.
- Oct 2014 Carrettini C., Fantozzi M., Lanfranchi E. & al. - IWA Water IDEAS 2014 Congress, Bologna, Italy - October 2014 - **Integrated management of energy, demand and water losses in the water system of the city of Milan by means of mathematical models, leakage software, DSS, AMR and real time pressure control system**
- Oct 2014 Fantozzi M., Lambert A. & al. - IWA Water IDEAS 2014 Congress, Bologna, Italy - October 2014 - **Pressure management: An effective way to reduce Non-Revenue Water, improve energy efficiency and reduce operation and maintenance costs**
- Oct 2014 Pedroni M., Fantozzi M. & al. - IWA Water IDEAS 2014 Congress, Bologna, Italy - October 2014 - **Efficient and sustainable management of Mantova water distribution network: the experience of TEA Mantova, Italy**
- Oct 2014 Ferretti F., Calza F., Fantozzi M. & al. - IWA Water IDEAS 2014 Congress, Bologna, Italy - October 2014 - **Italy EU Reference document Good Practices on Leakage Reduction: Case Study Reggio Emilia**
- Apr 2014 Lambert A.O. , Thornton J., Sheperd M., Fantozzi M. - IWA Water Loss 2014 Congress, Vienna, Austria - April 2014 - **Practical Applications of the latest Pressure: Bursts Prediction Methods**
- Apr 2014 Lambert A.O. , Fantozzi M. & al. - IWA Water Loss 2014 Congress, Vienna, Austria - April 2014 - **14 Years Experience of using IWA Best Practice Water Balance and Water Loss Performance Indicators in Europe**

Additional information

Papers and Publications

Apr 2014	Fantozzi M. & al. - IWA Water Loss 2014 Congress, Vienna, Austria – April 2014 - Advanced leakage and pressure control in TeaAcque water utility in Mantova (Italy) by means of integrated mathematical models, leakage specialist software and real time pressure control system
Oct 2013	Fantozzi M., Lambert A.O & al. - 7th IWA International Conference on Efficient Use and Management of Water Efficient 2013 Paris, France. 22-25 October 2013 - Training/coaching utilities in practical implementation of latest developments in analysing, predicting and validating benefits of Pressure Management
Oct 2013	Franchini M., Fantozzi M., & al. - 7th IWA International Conference on Efficient Use and Management of Water Efficient 2013 Paris, France. 22-25 October 2013 - Pressure and leakage management in a water system using integrated mathematical models and leakage specialist software: the non-revenue water reduction project of Tea Acque Srl Mantova.
Sep 2013	Fantozzi M., Lambert A.O., Thornton, J 12th International Conference on Computing and Control for the Water Industry, CCWI2013 – Sep 2013 - Practical approaches to modeling leakage and pressure management in distribution systems – progress since 2005
Apr 2013	Loupos K., Bazzurro, M. Fantozzi & al.- 1st EWaS-MED International Conference - April 2013, Thessaloniki, Greece - Technologies And Innovation Transfer Improving Water Savings In The Mediterranean Basin
Nov 2012	Fantozzi M. – Non Revenue Water Conference, Malta – Nov 2012 – The use of ILI and other tools to manage NRW in Italy
May 2012	Fantozzi M., Lambert A.O., Kovac, J – IWA Water Loss Europe 2012 Congress, Ferrara, Italy – May 2012 – Ongoing Developments in analysing, predicting and validating benefits of Pressure Management
May 2012	Fantozzi M. – IWA Water Loss Europe 2012 Congress, Ferrara, Italy – May 2012 – Key Note: Introduction to the IWA Water Loss Specialist Group Conference Water Loss Europe 2012
March 2012	Fantozzi M. – Water Loss UK 2012 Congress, Birmingham, UK – March 2012 – Introduction to the Activities of the IWA Water Loss Specialist Group IWA
February 2012	Fantozzi M., Feldman M., Geller Y. – IWA Water Loss 2012 Congress, Manila, Philippines – February 2012 – Pressure and leakage management in a water system using integrated mathematical models and specialist water loss software - 'Mey Sheva' case study in Israel
February 2012	Fantozzi M., Yaniv S., Freni G. – IWA Water Loss 2012 Congress, Manila, Philippines – February 2012 – Analysis method for apparent losses estimation and identification of technical solutions
February 2012	Fantozzi M., Lambert A.O. – IWA Water Loss 2012 Congress, Manila, Philippines – February 2012 – Residential Night Consumption – Assessment, Choice of Scaling Units and Calculation of Variability
June 2010	Fantozzi M., Calza F., Kingdon A. – IWA Water Loss 2010 Congress, San Paolo, Brasil – June 2010 – Introducing Advanced Pressure Management at Enia utility (Italy): experience and results achieved
June 2010	Fantozzi M., Freni G., Cohen, D. et Al.. – IWA Water Loss 2010 Congress, San Paolo, Brasil – June 2010 – Research in reduction of meters under registration: experience and results achieved in field tests in laboratory in Palermo
June 2010	Fantozzi M., Lambert A.O. – IWA Water Loss 2010 Congress, San Paolo, Brasil – June 2010 – Recent advances in pressure management
June 2010	Fantozzi M., Lambert A.O. – IWA Water Loss 2010 Congress, San Paolo, Brasil – June 2010 – Some examples of European water loss targets, and the law of unintended consequences
June 2010	Fantozzi M., Lambert A.O. – IWA Water Loss 2010 Congress, San Paolo, Brasil – June 2010 – Legitimate Night Use component of Minimum Night Flows Initiative: Report by Marco Fantozzi
May 2010	Fantozzi, M., Calza F. – Water Efficiency Conference - May 2010 - Accadueo Fair, Ferrara, Italy – Pressure Management: the experience of Enia Reggio Emilia

June 2009	Fantozzi M. – AWWA ACE 2009 Water Congress, San Diego, USA – June 2009 – Investigations into under-registration of customer meters in Italy, and the effect of introducing Unmeasured Flow Reducers
April 2009	Fantozzi M., Lambert A.O., Criminisi, A., Fontanazza, C.M., Freni, G. – IWA Water Loss 2010 Congress, Cape Town, South Africa – April 2009 – Investigations into under-registration of customer meters in Palermo (Italy) and the effect of introducing Unmeasured Flow Reducers
April 2009	Fantozzi M., Lambert A.O., Calza F. – IWA Water Loss 2010 Congress, Cape Town, South Africa – April 2009 – Experience and results achieved in introducing District Metered Areas (DMA) and Pressure Management Areas (PMA) at Enia utility (Italy)
April 2009	Fantozzi M., Freni G., Cohen, D. et Al. – IWA Water Loss 2010 Congress, Cape Town, South Africa – April 2009 – Reduction of customer meters under-registration by optimal economic replacement based on meter accuracy testing programme and Unmeasured Flow Reducers
December 2008	Fantozzi M. – Israel Water Loss Workshop, Tel Aviv, Israel - December 2008 – “Advances in Water Loss Management”
November 2008	Fantozzi M. – Global Water Efficiency Conference, Lemesos, Cyprus - November 2008 – “Progress in Water Loss Management and Regulation in Italy”
October 2008	Fantozzi M., Oren.B. – Preliminary meeting of the 5 th World Water Forum, Lamaca, TRNC - October 2008 – “Reducing Urban Water Loss: The first step in dealing with water shortages”
September 2008	Fantozzi M., Lambert A.O. – IWA World Water Congress, Vienna, Austria - September 2008 – “Active Leakage Control as a tool for water loss reduction”
May 2008	Fantozzi, M., Garzon, A. – Leakage Technology Conference - May 2008 - Accadueo Fair, Ferrara, Italy – ‘Leakage management using innovative mathematical models and specialist software’
May 2008	Fantozzi, M. – Leakage Technology Conference - May 2008 - Accadueo Fair, Ferrara, Italy – ‘Innovative solutions for water loss management’
May 2008	Fantozzi, M. – Leakage Technology Conference - May 2008 - Accadueo Fair, Ferrara, Italy – ‘Advanced case studies in water loss management’ .
Feb. 2008	Fantozzi, M. - Water Loss 2008 Conference 14-15 Feb. 2008 Waitakere City, Auckland, New Zealand, New Zealand Water and Wastes Association - ‘Practical Application of Economic Intervention in Active Leakage Control.’
Feb. 2008	Fantozzi, M. - Water Loss 2008 Conference 14-15 Feb. 2008 Waitakere City, Auckland, New Zealand, New Zealand Water and Wastes Association - ‘Application of IWA Methodology in Italy: Case Studies and Experiences in Training in Water Management.’
Jan. 2008	Fantozzi M., Lambert A.O. – Bentley Specialist leakage conference, Marbella, Spain - January 2008 – “Practical approaches to Modelling Leakage and Pressure Management in Distribution Systems”
Jan. 2008	Fantozzi M., Garzon, A. – Bentley Specialist leakage conference, Marbella, Spain - January 2008 – “Pressure and leakage management in a water system using integrated mathematical models and specialist software”
Nov. 2007	Fantozzi M. - Specialized water leakage conference, Porec, Croatia - November 2007 – “IWA WLTF methodology: Getting started with WLTF approach to water loss management
Sept. 2007	Fantozzi M., Benvenuti D., Lambert A.O. - WATERLOSS2007 Specialized water leakage conference Bucharest, Romania - September 2007 – “Practical experiences in applying advanced solutions for calculation of frequency of intervention with Active Leakage Control: results obtained”
Sept. 2007	Fantozzi M., Lambert A.O. - WATERLOSS2007 Specialized water leakage conference Bucharest, Romania - September 2007 – “Including the effects of pressure management in calculations of Short-Run Economic Leakage Levels”
Jan. 2007	Fantozzi, M., Calza F. – GLOBAL LEAKAGE TECHNOLOGY SUMMIT 2007, London (UK) - January 2007 - “In-depth Management of DMAs: Experiences of Enia Reggio Emilia”
Sept. 2006	Fantozzi, M. –Water Loss Management International Conference Skopje, Macedonia - September 2006 - “Italian case study in applying the IWA WLTF approach: Results obtained”

- Sept. 2006 Fantozzi, M. –Water Loss Management International Conference Skopje, Macedonia - September 2006 - **“IWA WLTF methodology: Getting started, the basic approach”**
- Sept. 2006 Fantozzi, M., Lambert A.O. et Al. – IWA World Congress Beijing, China - September 2006 - **“Some international experiences in promoting the recent advances in practical leakage management”**
- May 2006 Fantozzi, M., Lambert A.O. – International Conference: Water Loss Management Strategies (IWA Water Loss Task Force and FederUtility Water Loss Group) - Ferrara, Italy - May 2006 - **“Getting started, the basic approach: Regular Survey and Economic Intervention”**
- May 2006 Fantozzi, M., Calza, F. et Al. – International Conference: Water Loss Management Strategies (IWA Water Loss Task Force and FederUtility Water Loss Group) - Ferrara, Italy - May 2006 - **“StiPerZEnia: Experiences in in-depth management of DMAs in ENIA Group”**
- May 2006 Fantozzi, M., Casale, C. – IWA Water Loss Task Force Visit Italy - Genova, Italy - May 2006 - **“Water Loss trends and innovations in Italy including the work of AMGA, and District Metering and Active Leakage Control“**
- May 2006 Fantozzi M., Lambert A.O. – IWA Water Loss Task Force Visit Italy - Genova, Italy - May 2006 - **“Introducing the IWA methodology to Italy”**
- May 2006 Fantozzi, M., Mazzola, R., Bazzurro, N. – IWA Water Loss Task Force Visit Italy - Genova, Italy - May 2006 - **“The activities of GOA (Gruppo Ottimizzazione Acquedotti di Federutility) Water Loss Group”**
- May 2006 Fantozzi M., Pearson D. et Al. - Leakage 2005 Specialized water leakage conference Halifax, Canada - September 2005 - **“Searching for N2: How does Pressure Reduction Reduce Burst Frequency?”**
- Sept. 2005 Fantozzi M., et Al. - Leakage 2005 Specialized water leakage conference Halifax, Canada - September 2005 - **“Progress on Implementing the IWA approach in Italy: Case Studies, Dissemination and training activities of the Italian Water Loss Group”**
- Sept. 2005 Fantozzi M., et Al. - Leakage 2005 Specialized water leakage conference Halifax, Canada September 2005 - **“Progress on Implementing the IWA approach in Italy: Case Studies, Dissemination and training activities of the Italian Water Loss User Group and Links with European Funded Projects”**
- July 2005 Fantozzi M., Lambert A.O. – IWA International Conference on Water Economics, Statistics and Finance– Rethymno (Greece) – July 2005 – **“Recent advances in calculating Economic Intervention Frequency for Active Leakage Control, and implications for calculation of Economic Leakage Levels”**
- Feb. 2005 Fantozzi M. – Workshop for Water Industry Representatives in Conjunction with Australian Water Association – Gold Coast, Australia - February 2005 – **“Water loss management in Italy”**
- Jan. 2005 Fantozzi M. – Economist Conferences on Metering – Roma, Italy - January 2005 – **“Managing Apparent Losses”**
- Dec. 2004 Fantozzi M. – Economist IV Forum on Water Resources – Roma, Italy - December 2004 – **“Managing Water Losses”**
- Nov. 2004 Fantozzi M., A. Lambert – Water Supply Company of Puglia (AQP) (Italy), Technical University of Bari (Italy) and Exeter University (UK) Conference “Innovation in management, design and rehabilitation of Water Systems” - Bari, Italy - November 2004 - **“Water loss management”**.
- Nov. 2004 Fantozzi M., A. Pretner – FAO International FORUM on Food Security under water scarcity in the Middle East: problems and Solutions - Como, Italy - November 2004 - **“Management Optimisation of Water Distribution Systems. The TILDE Project (Tool for Integrated Leakage DETection)”**.
- May 2004 Fantozzi M., A. Lambert - Federgasacqua - H2O ACCADUEO Conference “Water Loss Control: How Italian waterworks can benefit from IWA approach” - Ferrara, Italy - May 2004 - **“Applying the International Water Association ‘Best Practice’ Standard Water Balance and Performance Indicators”**.
- May 2004 Fantozzi M., A. Lambert – Emilia Romagna Region - H2O ACCADUEO Workshop “Water Losses Management” - Ferrara, Italy - May 2004 - **“Experiences in application of IWA approach to small Water Networks in Italy”**.
- April 2004 Fantozzi M. - AWWARF (American Water Works Association Research Foundation), Fondazione AMGA - Conference “Emerging Technologies XI” – Rapallo, Italy, April 2004 - **“Recent advances in water loss management”**.
- Sept. 2003 Fantozzi M. – Università di Perugia, Warredoc, Federgasacqua – Seminario “La ricerca perdite e la gestione delle reti di acquedotto” - Perugia, Italy - 26 settembre 2003 **“Metodi per la valutazione e la gestione delle perdite idriche”**.

- April 2003 Fantozzi M. – Ministero della Ricerca Scientifica, Università di Catania - Master Universitario in Gestione delle Acque e Tutela dell'Ambiente – Catania, Italy, Aprile 2003 - **"Esercizio e manutenzione delle reti idriche e delle reti di raccolta e di smaltimento"**.
- May 2002 Fantozzi M. – Centro per le Tecnologie Appropriate per l'Ambiente nei Paesi in Via di Sviluppo" dell'Università di Brescia, Comune di Brescia, Provincia di Brescia – Conferenza: "Le tecnologie appropriate per la cooperazione e lo sviluppo sostenibile: il ruolo dell'Università" - Brescia, Italy - May 2002 - **"Esperienze di cooperazione nel settore delle acque: il progetto Brescia-Dakar per il riutilizzo delle acque reflue in agricoltura"**.
- April 2002 Fantozzi M. - AWWARF (American Water Works Association Research Foundation) - Conference "Emerging Technologies X" – Adelaide, Australia, April 2002 - **"Integrated management of water networks"**.
- April 2002 Fantozzi M., Collivignarelli C., Papiri S. et al. - ENVIRO 2002 IWA (International Water Association) WORLD WATER CONGRESS - Melbourne, Australia, April 2002 - **"Field monitoring and evaluation of innovative solutions for cleaning storm water"**, published on April 2003 by the IWA Journal Water Science and Technology.
- March 2002 Federgasacqua (Italian Association of Water, Energy and various Utilities), Università di Bologna – Conferenza: "La distrettualizzazione delle reti idriche" - Bologna, Italia - Marzo 2002 - **"Esperienze di gestione integrata di reti idriche: modellazione, distrettualizzazione e controllo delle perdite"**.
- October 2001 Fantozzi M. - Federgasacqua (Italian Association of Water, Energy and various Utilities) - H2Obiettivo 2000 Conferenza europea - "Riforma dei servizi idrici e nuovi scenari di riferimento" – Bari, Italia – Ottobre 2001 - **"ASM BRESCIA S.p.A.: L'Esperienza di una MultiUtility"**.
- Mayo 2001 Fantozzi M., Rogers D. - EWRI 2001 (Environmental & Water Resources Institute of the American Society of Civil Engineers) World Water & Environmental Resources Congress – Orlando, Florida, May 2001 – **"Leakage – wasting a precious resource"**.
- March 2001 Fantozzi M. – CSEI Catania (Centro Studi di Economia applicata all'Ingegneria dell'Università di Catania), MURST (Ministero dell'Università e della Ricerca Scientifica) – "Programma Integrato di Formazione per le Acque e per l'Ambiente" PIGA Corso "Strategie e misure per l'incentivazione del risparmio idrico urbano" - Catania, Italia - Marzo 2001 - **"Ricerca e riduzione delle perdite in rete"**.
- October 2000 Fantozzi M. - ANCI (Associazione Italiana Comuni) – Seminario sulla "Tutela delle Acque dall'Inquinamento – D. Lgs. 152/99" - Milano, Italy, Ottobre 2000 - **"Il Programma dei Controlli"**.
- October 2000 Fantozzi M., Fontana E. - AIPND (Italian Society for Non-Destructive Testing Monitoring Diagnostics), ICNDT (International Committee on NDT) - 15th World Conference on Non-Destructive Testing - Roma, Italy, October 2000 - **"Acoustic Emission Techniques: the optimum solution for leakage detection and location on water pipelines"**, published on February 2001 by the Journal of The British Institute of NonDestructive Testing.
- Sept. 2000 Fantozzi M. - ANDIS (Italian Society Sanitary Engineering), Federgasacqua (Italian Association of Water, Energy and various Utilities), IAWQ (International Association Water Quality), ISWA -Sidisa 2000 - Trento, Italy - September 2000 - **"Integrated planning and management of sewage, waste water treatment and receiving water systems: the project Integrated Life-Law"**.
- Sept. 2000 Fantozzi M., Rogers D. - A.W.W.A. - 2000 American Water Works Association Annual Distribution Conference – New Orleans, U.S.A. September 2000 - **"Leakage Control – The Optimum Solution for the 21st Century"**.
- July 2000 Fantozzi M., Battisti M. - Iowa Institute of Hydraulic Research, ASCE, DHI, EPA, IAHR, IAWQ, USBR, USGS, WES - International Conference: "Hydroinformatics 2000" - Iowa City, USA - July 2000 - **"Managing the discharge deriving from urban and industrial areas to water bodies through the integration of advanced decision making tools"**.
- July 2000 Fantozzi M., Rogers D. - Iowa Institute of Hydraulic Research, ASCE, DHI, EPA, IAHR, IAWQ, USBR, USGS, WES - International Conference: "Hydroinformatics 2000" - Iowa City, USA - July 2000 - **"Quality by technology - rehabilitation for the 21st century"**.

- May 2000 Fantozzi M., Muraca A., Battisti M. - Milan Polytechnic, University of Palermo - National Conference on Urban Storm Drainage - Palermo, Italy - May 2000 - **"An example of integrated modeling of sewage, waste water treatment and receiving water systems: the pilot project of Brescia"** and **"Analysis of environmental impact caused by sewers in industrial areas: the Lumezzane project"**.
- May 2000 Fantozzi M., Rogers D. - Federgasacqua (Italian Association of Water, Energy and various Utilities), EUREAU (European Union of National Associations of Water Services), AWWA (American Water Works Association), IWSA - AISE (International Water Services Association) - International Conference: "The global market of water services. Comparing quality, service characteristics and customer satisfaction" - Turin, Italy - May 2000 - **"A high quality service - the future, today"**.
- April 2000 Fantozzi M. - Federgasacqua - H2O ACCADUEO Workshop sui "Sistemi per la Tutela della Qualità dell'Acqua distribuita" - Ferrara, Italy - Aprile 2000 - **"Sistemi per il controllo dei fenomeni di inquinamento dell'acqua distribuita"**.
- April 2000 Fantozzi M. - Federgasacqua - H2O ACCADUEO Convegno Ufficiale sulla "Tutela delle Acque e del Suolo dall'Inquinamento" - Ferrara, Italy - Aprile 2000 - **"Utilizzazione razionale delle risorse idriche e consumo sostenibile"**.
- Nov. 1999 Fantozzi M. - EUROPEAN COMMISSION DG XI, Università di Brescia, ASM Brescia, Provincia di Brescia - Workshop "Attuazione della Legislazione Comunitaria nelle Acque Reflue Urbane" - Brescia, Italy, Novembre 1999 - **"Il Progetto Integrated Life-Law come risposta tecnologica all'evoluzione normativa"**.
- Oct. 1999 Fantozzi M. - CSEI Catania (Centro Studi di Economia applicata all'Ingegneria dell'Università di Catania), MURST (Ministero dell'Università e Ricerca Scientifica) - "Programma Integrato di Formazione per la Gestione delle Acque e dell'Ambiente" PIGA Corso "Criteri di esercizio delle reti di distribuzione idrica" - Giardini Naxos, Italia - Ottobre 1999 - **"Criteri ed esperienze di monitoraggio e controllo delle perdite idriche"**.
- Sept. 1999 Fantozzi M., Rogers D. - Hydrocontrol, Federgasacqua, GISI (Gruppo Imprese Strumentazione Italia), ANIE etc. - International Conference: "The operation for the control and the operation of public utility networks" - Cagliari, Italy - September 1999 - **"Leakage control - the optimum solution"**.
- Sept. 1999 Fantozzi M., Muraca A. - IAWQ, IAHR-AIRH - 8th International Conference Urban Storm Drainage, September 1999, Sidney, Australia - **"The project Integrated Life-Law"**.
- June 1999 Fantozzi M., Muraca A. - D.H.I. - 3rd Danish Hydraulic Institute Software Conference - Helsingor Denmark, June 1999 - **"Integrated Life-Law: Innovative approach to the implementation of the EU directive for controlling the discharge deriving from urban and industrial areas to water bodies through the integration of advanced decision making tools"**.
- May 1999 Fantozzi M., Rogers D. - I.W.S.A. - International Water Supply Association Workshop "Applying GIS technologies in water utilities: a challenge and a necessity" - Turin, Italy - May 1999 - **"Hydraulic models and GIS: a perfect marriage"**.
- April 1999 Fantozzi M. - EUROPEAN COMMISSION DG XI, Università di Brescia, ASM Brescia, Provincia di Brescia - Workshop "Il Ciclo Integrato di Smaltimento delle Acque Reflue" - Brescia, Italy, Aprile 1999 - **"Il Progetto Integrated Life-Law come strumento di pianificazione e gestione per l'azienda"**.
- Jan. 1999 Fantozzi M. - COMMISSIONE EUROPEA DG XI - UNIVERSITA' DI BRESCIA - PROGRAMMA DI FORMAZIONE: PROBLEMATICHE DI SIMULAZIONE E DI GESTIONE INTEGRATA DEL SISTEMA FOGNATURA-DEPURATORE-CORPO RICETTORE - Brescia, January 1999 - **"Il Progetto LIFE-LAW di Brescia"**.
- June 1998 Fantozzi M., Rogers D. - A.W.W.A. - 1998 American Water Works Association Annual Conference - Dallas, Texas, U.S.A. June 1998 - **"Network Analysis System of the Future: the True Story"**.
- Oct. 1997 Fantozzi M., Zocchi R. - EUROPEAN COMMISSION DG XIII - INNOVATION PROGRAMME: T.V.P. INTEGRATED WASTEWATER - Venice, Italy, Ottobre 1997 - **"Application of T.V.P. regulatory practice to Italian legislation framework: EU LIFE-LAW Project in Brescia"**.
- April 1997 Fantozzi M. - COMMISSIONE EUROPEA, TECHWARE (TECHnology for WAtER Resources), AMGA Genova - PROGRAMMA ADAPT - Scuola dell'Acqua. - Genova, Aprile 1997 - **"Metodi e sistemi di analisi dei consumi"**.
- June 1996 Fantozzi M. - A.S.M. Brescia - Giornata di Studio: Applicazioni di modelli matematici alla gestione dei servizi pubblici: l'esperienza di A.S.M. Brescia - Brescia, Giugno 1996 - **"Un progetto di controllo della rete idrica"**.

- Nov. 1994 Fantozzi M. – A.I.P.n.D. - Associazione Italiana Prove non Distruttive - Giornata sull'E.A. Attuali applicazioni e prospettive dell'Emissione Acustica - Milano, Novembre 1994 - "**Localizzazione di perdite nelle reti idriche mediante tecniche di Emissione Acustica**".
- June 1993 Fantozzi M., De Chirico, Fontana E. - A.W.W.A. - 1993 American Water Works Association Annual Conference - San Antonio, Texas, U.S.A. June 1993 - "**Leak inspection on water pipelines by acoustic emission with cross-correlation method**".
- Nov. 1992 Fantozzi M., Dusi M., Ghio G. - A.T.I.G. - Convegno Nazionale dell'Associazione Tecnica Italiana del Gas - Napoli, Novembre 1992 - "**Gestione tecnica informatizzata degli interventi manutentivi**".
- Oct. 1991 Fantozzi M., Villa G. - I.W.S.A. - 18th International Water Supply Congress "Managing Water Distribution System" – Florence, Italy - October 1991 - "**Organization of a systematic leak detection campaign on water supply network using computerized techniques: actual experiences and future developments**".
- Nov. 1990 Fantozzi M., Dusi M. – A.T.I.G. - Convegno Nazionale dell'Associazione Tecnica Italiana del Gas - Genova, Novembre 1990 - "**Ricerca delle dispersioni sulle reti di distribuzione gas**".
- Feb. 1990 Fantozzi M. – QUASCO - Programmare la manutenzione - Ravenna, Febbraio 1990 - "**La manutenzione impiantistica: l'esperienza di una grande azienda municipalizzata**".

Publications

Investigations into under-registration of customer meters in Palermo (Italy) and the effect of introducing Unmeasured Flow Reducer (UFR) (manuscript number: WS-EM11132 in Water Science and Technology: Water Supply), 2011

Co-author of the book:

Ricerca e controllo delle perdite nelle reti di condotte: Manuale per una moderna gestione degli acquedotti, a cura di B. Brunone, M. Ferrante e Silvia Meniconi, Città studi edizioni, De Agostini 2008

Contributor of the book:

Water Loss Control, second edition, by J. Thornton, R. Sturm, G. Kunkel, Mc Graw Hill, 2008

"Acoustic Emission Techniques: the optimum solution for leakage detection and location on water pipelines" - The British Institute of Non-Destructive Testing Journal, London (UK), Vol.N°2 February 2001.

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Il ciclo integrato di smaltimento delle acque reflue: Filosofia e risultati del progetto "Integrated Life-Law", by M. Fantozzi, M. Battisti, Provincia di Brescia, 2000

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Dewi Rogers, Marco Fantozzi & Simonetta Ceroni, Water Supply Vol 18 No 4 pp 40–7 © IWA Publishing 2000

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