



WDSA 2014

16th Water Distribution Systems Analysis Conference
14 - 17 July 2014 - Bari - Italy
www.water-system.org/wdsa2014

Second announcement



The Italian community involved in water systems is proud to host for the first time the foremost international forum on emerging issues in water distribution systems as part of the annual ASCE Environmental Water and Research Institute (EWRI) conference series.

This conference will be organized by the **Technical University of Bari** and the **University of Perugia** that also organized the 12th International Conference on Computing and Control for Water Industry (CCWI2013), in collaboration with the **University of Exeter** (UK).

Welcome

It is a pleasure to invite you to participate in the 16th edition of the Water Distribution Systems Analysis Conference –WDSA 2014 - in Bari, Italy.

As populations in both developing and developed countries are becoming increasingly urbanised, the smart city paradigm is becoming increasingly important. Water resources and asset management are an integral component of a smart city and the water industry is increasingly interested to play a central role. This urbanisation, coupled with growing water demand due to climate and environmental changes are driving municipal water distribution infrastructure systems towards critical operational conditions. Integrating the expertise of researchers, software developers, practitioners and stakeholders from public and private water sectors is necessary to provide sustainable solutions in order to preserve water and energy resources for future generations.

The WDSA 2014 conference is aimed at joining the best expertise on water distribution sector from all over the world to provide new paradigms and solutions in such a challenging framework.

Conference themes

The main focus of the conference is on water distribution . Topics of interest include, but are not limited to:

- Water distribution network modeling;
- Network optimization: planning, design, rehabilitation and expansion;
- Background leakage modeling and control;
- Smart demand metering, assessment, forecasting and management;
- Asset management and performance modeling;
- Real time monitoring, modeling and control of water systems;
- Advances in sensors, SCADA and ICT for (big) data management;
- Network vulnerability, reliability, resilience, and risk analysis;
- Leakage and energy management in water distribution networks;
- Transient analysis;
- Water quality, contaminant intrusion and water security;
- Water distribution network operation and maintenance;
- Water resources management in water shortage contexts;
- Water irrigation systems: design, optimization and operation;
- Field works: case studies and practical applications;
- Educational and research transfer tools.

Other topics may be of interest for the conference as long as related to the above.

A special session on urban hydraulics and system integration is programmed in order to act a contamination and assimilation of studies at urban level in view of the Smart City paradigm.

- Sustainable urban drainage systems (best management practices) and water reuse;
- Integrated urban water system modeling and management;
- Economic and social issues for sustainable water management in urban areas;
- Dual networks: design, operation and security;
- Smart (water sensitive) cities and asset management;
- Field works: case studies and practical applications.

Bari – Apulia and the Conference venue

Also known as "the "heel of Italy's boot" Apulia is a charming region that is suspended among nature, history, tradition, tastes and spirituality. Apulia spreads lengthwise along the sea, with marvelous beaches that will delight every traveler.

Sea lovers have multiple options in Apulia, from Gallipoli, the "Gem of Salento," to Polignano dotted with marvelous little coves sheer to the sea, up to Gargano, the "Italy's spur" which protrudes out into the clear sea, gazing the attractive Tremiti Islands. Nature is the protagonist in the Murgia National Park, and in Gargano's wild Umbra forest.



Visit the marine reserve of Torre Guaceto, the deep ravines of Laterza, the wide dolines of Altamura, characterizing the hinterland of the region with their charming landscapes, and finally the majestic caves of Castellana, a natural scenography for the play of the Hell by Dante Alighieri. Travelling in Apulia means traveling through history: from Jurassic to Magna Graecia,



from the Roman Empire to the Middle Ages, and finally from the Renaissance to the Baroque splendor of Lecce, the “Florence of South Italy”. But the rural traditions are the real characters of this land, both in the architecture of its several villages, as the Trulli of Valle d'Itria, and in the amazing variety of eno-gastronomic specialties, which can be tasted and enjoyed in several fish, food and wine festivals that in summertime run throughout the region, offering also a glimpse of past atmospheres and folk music.



The Conference will be held at University Campus of the Technical University of Bari.

Travel

Bari - BRI is an international Airport, with connections to the main towns in Europe (either low-cost or flag carrier airlines). The airport is connected to the city centre by a Metro line (25 min) and many private bus lines.

Bari is also easily reachable by train, by car or by bus and even by boat from Albany, Greece, Croatia and Montenegro. The Conference venue is reachable by several public buses and close to the city center (15 min walk).

Accommodation

Conference delegates will find comfortable and cheap rooms at the hotel in the University Campus, where the conference will be held. A number of hotels and bed & breakfast which are located in the city center. For more information please visit www.water-system.org/wdsa2014.



Conference banquet and dinners

The conference banquet will be organized in the typical Italian-style, in a place with a breathtaking view of the sea, enjoying the delicacies of the Apulian cuisine in the warm atmosphere typical of Southern Italy. All the other dinners will be characterized by the special tastes of Apulia.



Program for accompanying persons

The Organizing Committee will propose city tours and excursions for accompanying persons, such as tours to the Valle d'Itria (trulli country), to the Sassi di Matera and the National Archaeological Museum of Taranto, to the Gargano Peninsula and its famous sanctuaries, to Lecce and the main places of the Salento Peninsula. Made-in-Italy style shopping will be also proposed.

Keynote speech

The Conference will have a number of keynote speeches on topics of current and emerging issues in water and environment science and engineering.

Congress proceedings

All abstracts and papers will be reviewed. **All accepted and presented papers will be published by Elsevier as separate issue in Procedia Engineering, with rapid Scopus indexing (within 1 month from the Conference).** Delegates must be registered for their paper to be included in the proceedings.

Student program

A Student presentation competition is planned, furthermore students will also enjoy reduced registration fees and dedicated events in the evening.

Battle of Water Network

The Battle of the Water Networks (BWN) is the fifth in a series of Battle Competitions dating back to the Battle of the Water Networks in 1985 and



more recently the Battle of the Water Sensor Networks in 2006, the Battle of the Water Calibration Networks in 2010 and the Battle of Design Network in 2012. For more details please visit www.water-system.org/wdsa2014.

Aqualibrium water competition



Aqualibrium will be part of the 16th International conference on Water Distribution Systems Analysis. The Aqualibrium competition is a fun way to learn about water supply, what civil engineers do and the importance of protecting our water resources.

Exhibition and sponsorship

An exhibition area for leading companies in the water engineering sector will be available adjacent to the conference rooms. For more information, please visit the congress website, or contact Dr. Luigi Berardi via l.berardi@poliba.it.

Official language

The official language of the conference is English, and simultaneous translation will be NOT provided.

Abstract and paper submission

Abstracts must be submitted online through the website www.water-system.org/wdsa2104 before December 15th, 2013. Abstracts should be in English and of 250-500 words. Each registered delegate can present up to 2 papers. For each accepted paper, an additional fee of € 60 is required to cover publication costs as reported below.

Key dates and deadlines

Submission of abstract	December 15, 2013
Abstract acceptance	February 15, 2014
Full paper submission	May 1, 2014
Early bird Registration	May 15, 2014
Conference	July 14-17, 2014

VISA for overseas delegates

For overseas delegates who need the VISA for their travel, there will be a speeded up procedure for abstract acceptance in order to provide by time the invitation letters useful to issue the VISA by their national



governments. Once the abstract is accepted by reviewers, the invitation letter will be sent automatically to who indicate this necessity in the procedure of abstract submission. For details and contacts, please visit www.water-system.org/wdsa2014.

Registration and Elsevier publication fees

	early bird (15 May 2014)	standard
Full	500	550
Student	300	350
Day visitor		200
Accompanying person		200
1 Paper publication*	60	60

All rates are in Euro. The fee includes attendance to the oral presentations, daily lunches, refreshments, gala dinner (July 16th) and other night events during the conference.

**To cover the publication costs of Elsevier, a separate fee of 60 euro per paper is needed. The fee is based on paper, not by author, that is if two (or more) co-authors of one paper are both registered at the Conference, only 1 publication fee is due (subject to the limit of maximum 2 papers per author). The reductions below are not applied to publication costs.*

Reductions

Registration to CCWI2013 entitles to a reduction of 10% of the FULL fee for WDSA2014.

A reduction of 15% will be granted to groups from the same institution signed up for at least 1500 euro (e.g., 2 full in standard + 2 student in early bird = 1700, will pay 1445 euro).

The cheapest solution between the above reductions will be applied.

Conference Website

All information presented in this second announcement may be subjected to change. Please consult the conference website

www.water-system.org/wdsa2014

