12th International Conference

CCWI 2013
Computing and Control for the Water Industry

“Information for Water Systems and Smart Cities”

University of Perugia, Italy
2 - 4 September 2013

Second announcement

Organised by: Co-organised by:

Centre for Water Systems
For the first time the CCWI series of biennial conferences initiated by the universities of Brunel, De Montfort, Exeter, Sheffield and Imperial College will be held outside the United Kingdom. It will take place in Perugia, Italy. The University of Perugia and the Technical University of Bari are proud to be hosting this conference as well as the next Water Distribution Systems Analysis conference (WDSA2014).

The conference will highlight the use of hydroinformatics in water system planning and management to provide solutions and new paradigms to challenging problems, which in a urban perspective gives rise to the concept of smart cities. The conference will provide the opportunity for close collaboration between established and young scientists, software developers, practitioners, and stakeholders from public and private organizations. So we encourage you to contribute to the development of future solutions and widen your own expertise and profile by attending and actively taking part to the conference.
The aims of this conference series are:

To facilitate the continued co-operation of academic institutions and industry;

To examine the current state-of-the-art in computing and control techniques applicable to the water industry;

To provide a forum for discussions and the dissemination of ideas on applied computing and control for the water industry, with particular emphasis on:

- Providers’ perspectives - recent developments in research;
- Users’ perspectives - users’ experience of the latest techniques;
- Future needs - current and future planning and operational requirements.

Short courses, group meetings and exhibitions, will also take place during the conference.
The main focus of the conference is on **water supply/distribution and urban drainage/sewerage systems**.

Topics of interest include, but are not limited to, the following:

- Water engineering solutions for smart, liveable and sustainable cities;
- Systems modeling, optimization and decision support;
- Asset management and performance modeling;
- Demand forecasting, leakage and energy management;
- Real time monitoring, modeling, prediction control and data management issues;
- Impacts of climate change on urban water management;
- Sustainable urban water management including flooding issues;
- Water and wastewater treatment modeling, optimization and control;
- Water quality modelling;
- Advances in sensors, instrumentation and communications technologies;
- Data management including SCADA and GIS;
- Security, reliability and resilience;
- Case studies and practical applications;
- Modeling tools for nearshore hydrodynamics;

Other topics, which relate to those listed above may also be included.

Anyone interested in organising a special session on a topic of interest to a wider audience is encouraged to contact the organisers soon.

**TOPICS**

**LOCATION**

The conference will be held at the Faculty of Engineering campus of the University of Perugia.

**OFFICIAL LANGUAGE**

The official language of the conference is English. All presentations will be made in English and no simultaneous translation will be provided.
TIMETABLE

Submission of abstracts:
28 February 2013

Notification of acceptance or rejection:
1 April 2013

Deadline for full paper submission:
1 June 2013

Deadline for registration (early):
1 July 2013

REGISTRATION AND FEES

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<th>Early Registration</th>
<th>By 1st July 2013</th>
<th>€ 500</th>
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<td>Full</td>
<td>Late Registration</td>
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A 15% reduction will be applied to groups of more than 3 person from the same university. Registration for CCWI 2013 will give the right to a 10% fee reduction for WDSA 2014. Registration made later than 1st July 2013 is subject to availability.

Please note that authors of papers must register for the conference for their paper to be included in the proceedings. The fee includes the conference proceedings, daily lunches, refreshments, welcome reception and the gala dinner on September 3rd. Students are asked to bring evidence of their status at the registration.

PROGRAMME

The preliminary and the detailed programme will be available on the conference web site.

CALL FOR PAPERS

Authors are invited to submit a title and abstract on the themes indicated or others falling within the scope of the conference. An abstract of 300-500 words, clearly describing the content of the paper should be submitted by following the links on the conference website, www.water-system.org/ccwi2013, as soon as possible and no later than 28th February 2013.

Prior to submitting your abstract please visit the conference website for the latest details, including procedures and formatting. The conference proceedings will be submitted for indexing to Thompson ISI and Scopus.

Selected papers will be recommended for publication on international journals (e.g., Journal of Hydroinformatics).

Authors presenting a paper at the Conference and born in the 80’s are eligible for the ‘Early Career CCWI Award’.
Perugia is the most important city in Umbria, the ancient land of the Etruscans. The name Umbria conjures up an idea of peace and tranquillity, of green countryside, mountains, woods and rivers immortalized in Renaissance paintings by Perugino, the artist who taught Raffaello Sanzio. In Umbria life fits easily into the natural environment. St. Benedict of Norcia and St. Francis of Assisi, founders of western monasticism, came from the area.

Its austere medieval walled cities - Assisi, Montefalco, Gubbio, Città di Castello, Orvieto, Todi, and Spoleto - easy to reach from Perugia, are rich in cultural treasures, mouth-watering local cuisine (with its olive oils and fabulous wines, terrific barbecues and country fairs). Historically water has been important in the region because of the river Tiber, strongly linked to Roman civilization, Trasimeno lake, where Hannibal defeated the Romans in the Second Punic War (217 BC), and the Marmore waterfalls, developed through the hydraulic expertise of the Roman consul Curius Dentatus (271 BC). Cities such as Rome and Florence can be reached in about 1.5 hour by car or train.

TRAVEL AND ACCOMMODATION
Perugia is located in central Italy and is served by rail (the main station is “Perugia” while the campus is at “Perugia Università” station), air (the international airport of Perugia “San Francesco d’Assisi” - PEG is connected to Brussels and London) and motorway connections (A1 and E45 from Rome and Florence, E45 from Bologna).

The Minimetro and a shuttle service will link the centre of the city with the conference venue (please look for conference buses outside the “Pian di Massiano” terminal). A list of recommended hotels will be provided to participants.
Further Information

Further information are provided on the conference web site. To be in touch subscribe to the CCWI 2013 LinkedIn group. If you have any question, please email the conference organizers at ccwi2013@water-system.org

www.water-system.org/ccwi2013