



ica2013
INSTRUMENTATION, CONTROL
AND AUTOMATION

First Announcement and Call for Papers

11TH IWA CONFERENCE ON
**INSTRUMENTATION
CONTROL AND
AUTOMATION**

18-20 SEPTEMBER 2013

NARBONNE, FRANCE

www1.montpellier.inra.fr/ica2013



Organizers





You are invited to ICA2013!

This is the 11th IWA conference on Instrumentation, Control and Automation (ICA) that will provide a forum to exchange methodologies and experience internationally on all aspects of sensor technology, instrumentation, control and automation for water, wastewater treatment and transport systems. Specific topics will include sensors and instrumentation, modeling and simulation for control, control systems, detection and early warning, diagnosis systems, life cycle analysis, practical experience of instrumentation and control...

Advanced control is getting increasingly demanded in water and wastewater systems. Indeed, ICA, often perceived as a hidden technology, is found in nearly all systems related to water supply and wastewater management. It was demonstrated that ICA is able to increase the capacity of biological nutrient removal wastewater treatment plants up to 30%. With further understanding and better exploitation of the microbial community involved in water-related bioprocesses and the biochemical reactions they catalyze, ICA technologies will continue to enhance systems' performances in the next 10 to 20 years.

The ICA Specialist Group organizes quadrennial conferences. The first one dates back to 1973 in London and Paris and the most recent one was in June 2009 in Cairns, Australia. The next major group gathering will be on September 18th - 20th, 2013 in Narbonne, France during the 11th IWA conference on ICA.



We feel very honored and proud to be able to welcome you in Narbonne for ICA2013 and we will do our best to share exciting and challenging scientific issues in the most friendly atmosphere.

Dr Jean-Philippe Steyer,
Chair of the local organizing committee

Local Organizing Committee

J.P. Steyer, Chair	E. Latrille, Vice-Chair
J. Harmand, Vice-Chair	S. Maraval, Secretary
R. Cresson, Secretary	I. Berger
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International Program Committee

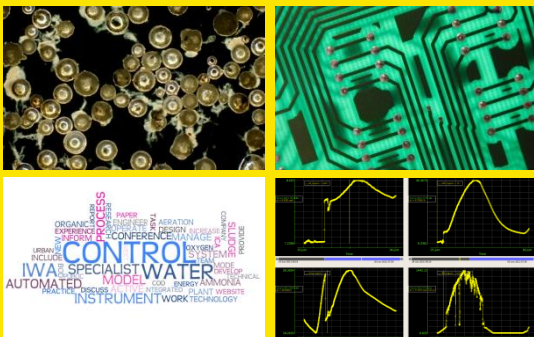
N. Abdellatif, Tunisia	T. Ohtsuki, Japan
V. Alcaraz-González, Mexico	G. Olsson, Sweden
J. Alex, Germany	A. Paus, France
E. Ayesa, Spain	A. Perendeci, Turkey
D. Batstone, Australia	M.N. Pons, France
O. Bernard, France	I. Premier, Wales
G. Buitron, Mexico	I. Queinnec, France
B. Chachuat, England	P. Ratini, Italy
B. Cherki, Algeria	L. Rieger, Canada
Q. Comas, Spain	J. Rodriguez, Spain
J. Copp, Canada	I. Rodriguez-Roda, Spain
E. Ficara, Italy	D. Rosso, USA
K. Gernaey, Denmark	V. Ruano, Spain
S. Gillot, France	G. Ruiz, Chile
B. Hill, USA	A. Shaw, USA
C. Hoysall, India	M. Sánchez-Marrè, Spain
D. Jeison, Chile	Y. Shimizu, Japan
U. Jeppsson, Sweden	I. Smets, Belgium
C.W. Kim, Republic of Korea	H. Spanjers, Netherlands
J.H. Kim, Republic of Korea	I. Takacs, France
R. Kleerebezem, Netherlands	B. Tartakovsky, Canada
G. Langergraber, Austria	M. Titica, France
J. Lema, Spain	P. Vanrolleghem, Canada
J. Liu, Sweden	A. Vargas, Mexico
D. Lumley, Sweden	E. Volcke, Belgium
S. Marsili-Libelli, Italy	D. Vrecko, Slovenia
H. Méndez-Acosta, Mexico	S. Winkler, Austria
J. Moreno, Mexico	Z. Yuan, Australia
L.A. Muñoz-Hernandez, Colombia	R. Zeng, China
I. Nopens, Belgium	





Conference Themes

- Sensors and instrumentation systems, including software sensors
- On-line monitoring and control of:
 - wastewater collection (sewer networks) and treatment systems
 - water treatment and distribution systems
 - anaerobic sludge and wastewater treatment systems
 - advanced water treatment systems for water recycling and water reuse including membrane processors
- On-line monitoring of river and groundwater quality
- Use of in-situ analyzers for water and wastewater monitoring and control
- Monitoring networks
- Detection of micropollutants and microbial contaminants
- Plant wide control and automation
- Modeling and simulation for control and operation
- Early warning, fault detection and diagnosis, and fault-tolerant control
- Information systems for operation, control and decisive support
- Full-scale experiences in control and automation
- Life-cycle assessment and monitoring of green house gas emissions



Paper submission

Papers for **oral** presentation for this conference have to be submitted as an **extended abstract of 4 pages** no later than the **20th of December 2012**. Papers for **poster** presentation have to be in the same format and will be accepted until the **31st of January 2013**. Papers will be reviewed by no less than 2 persons from the local organizing or the international program committees.

Extended abstracts selected for either oral or poster presentation will be published in the ICA2013 conference proceedings. Authors who wish to have their paper published in *Water Science and Technology* should submit a full paper of 8 pages simultaneously to the journal for consideration according to their guidelines. Please see <http://www.iwaponline.com/wst/>.

English is the sole language that will be used in this conference. No translation service will be provided. For submission details and guidelines for the ICA2013 submission please see the conference website: <http://www1.montpellier.inra.fr/ica2013>



Conference Program

The program will consist of plenary speakers, 2 concurrent oral sessions and poster sessions. The technical program will be complemented by an exciting social program with a Gala Dinner on the last night, and plenty of time to enjoy the surrounding attractions.





Conference Location and Venue

Welcome to Narbonne!

Narbonne is a very popular travel destination for tourists thanks to its climate and its proximity to many attractions. Sun, sea and sand are at hands. You can either enjoy the 2500 years of history of the city, taste the many wines of the region at their source, take advantage of the beautiful surroundings by hiking, climbing, mountain biking ... or you can simply sunbath and swim in the Mediterranean sea!



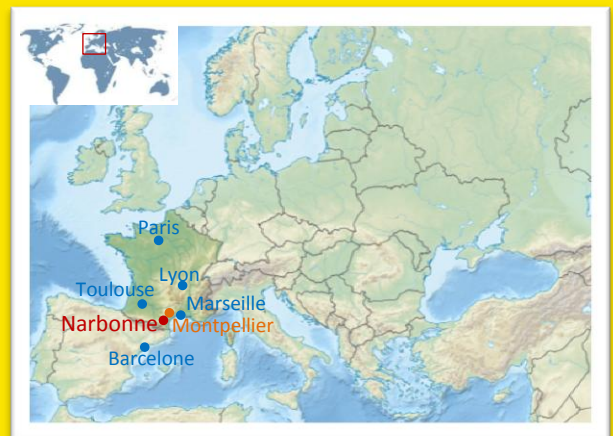
The conference will take place in the Narbonne theater located downtown and very easily accessible by foot.



This adds up to be an extremely attractive package, both for a successful conference and an exciting stay in one of France most stunning locations.

Important Dates

Paper submission open	1 st October 2012
Submission deadline for oral	20 th December 2012
Registration open	16 th January 2013
Submission deadline for poster	31 st January 2013
Notification of acceptance	9 th May 2013
Early bird registration closes	15 th June 2013
Revised paper due date	31 st July 2013
Conference dates	18 th -20 th September 2013



Registration Fees

The registration fee will be in euros. For IWA members, it will be not more than 700€. A more reduced rate will be available for IWA members from low income countries and students. This registration fee will cover all scientific and technical program, conference proceedings and CD with full papers of presentations, morning and afternoon coffee (3 days), lunch (3 days), welcome reception and gala dinner.

For more information, please see the ICA2013 Website
<http://www1.montpellier.inra.fr/ica2013>

or email us at
ica2013@supagro.inra.fr

