



Frontiers International Conference on wastewater treatment - FICWTM2017

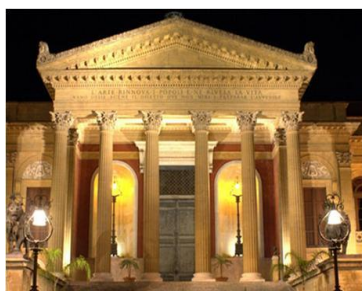
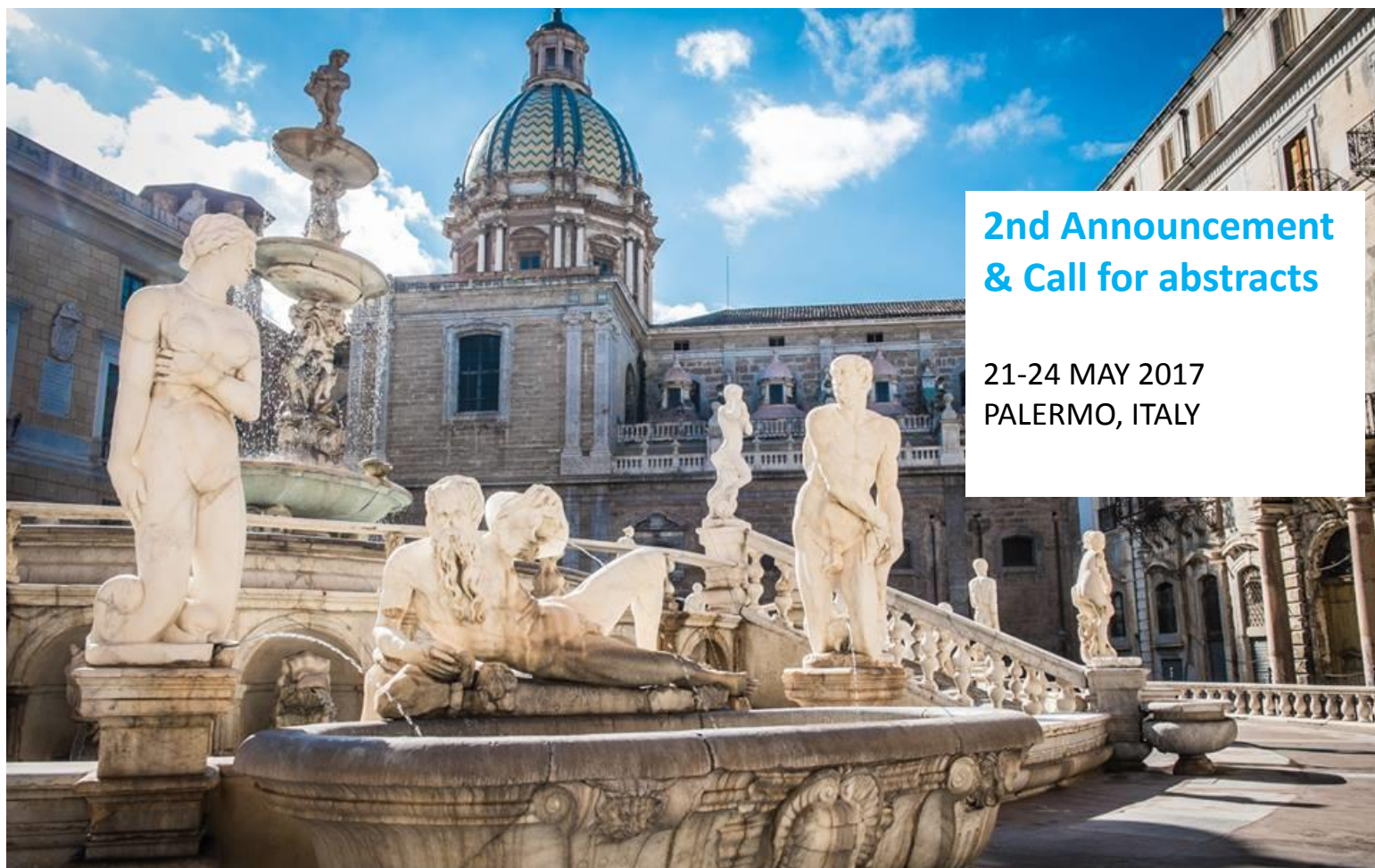
RELATED EVENTS

3rd Edition - Advanced Course on
wastewater treatment and modelling
17-20 May 2017, Palermo – IT

<http://treatmentmodellingcourse.unipa.it/>

2nd Announcement & Call for abstracts

21-24 MAY 2017
PALERMO, ITALY



Supported by:



University of Palermo



University of Florence



University of Cassino



University of Basilicata



Invitation

Today multidisciplinary is a key and a must for solving issues in the water field. The work of several International Water Association Specialist Groups, including on Biofilm and Advanced Processes, and the Task Group on Benchmarking of Control Strategies for Wastewater Treatment Plants, has demonstrated the importance of both innovative technologies and mathematical modelling, and that the exchange of scientific and technical information among researchers and practitioners involved in these fields is crucial for advancing knowledge.

The FICWTM 2017, Frontiers International Conference on Wastewater Treatment, seeks to create a forum for promoting the discussion amongst scientists, professionals and academia in different areas of the broader theme of environmental engineering and sciences. To facilitate discussion the number of participants will be limited to highly motivated. Ten keynote lectures by eminent experts in wastewater treatment and modelling will foster the multidisciplinary collaboration and dialogue. We are pleased to invite all wastewater professionals to the Frontiers International Conference on wastewater treatment.



*On behalf of the Organizers
Giorgio Mannina - Chair of the Conference*

Location of the event

The Conference will be held in a peaceful and amazing location of one of the most attractive cities of Italy – Palermo. Palermo is the capital of the island region of Sicily in Italy. It is located in the northwest of the island of Sicily, right by the Gulf of Palermo in the Tyrrhenian Sea. Throughout the history, Palermo has always been a place, where different points of view have been presented and discussed to figure out balanced and sustainable solutions. Powered by sea, Palermo in summer is an exciting venue. Palermo was declared “the most beautifully situated town in the world” by Oscar Wilde – rightly, in many people’s eyes. The conference will be held one on the corners of the historical city centre, one of the largest in Europe. At walking distance you will find the most famous cultural and architectural attractions of the city.

Conference venue

The opening session will be held at Sala Magna of Palazzo Chiaramonte - Steri, a historical monumental building located in the historical center of Palermo, hosting the Rectorate and Administrative Offices of the University of Palermo. The opening session venue, the “Sala Magna” (Grand Hall) and “Sala delle Capriate” (Room of the Trusses), are richly decorated with a painted wooden ceiling by Sicilian artists. Some rooms of the palace host now a museum with precious artworks from local artists. Among these, the painting “Vucciria” by Renato Guttuso.

Conference sessions will be held at Palermo Botanic Garden, founded by the University of Palermo in 1789 covers an area of 10 hectares. The Botanical Garden is important for the vast number and variety of different species under its care, some of them of extraordinary size. Large collections are represented by Mediterranean, tropical and subtropical plants, as well as by numerous specimens of exotic plants.



Keynote Speakers



Prof. Damien Batstone, The University of Queensland – Australia

Dr Damien Batstone is Professor in the School of Chemical Engineering and Deputy Director of the Advanced Water Management Centre of The University of Queensland – Australia. He has a doctorate in Chemical Engineering, from the University of Queensland, Australia, 2000. He has over 20 years experience in wastewater process modelling, design, and environmental biotechnology. He is current holder of an Australian Research Fellow from the Australian Research Council.



Prof. George A. Ekama, University of Cape Town - South Africa

Professor George A. Ekama, PhD, has 35 years research experience into activated sludge systems at the University of Cape Town. Over the years he has been at the forefront of developments in biological nutrient removal activated sludge systems modelling, filamentous bulking, secondary settling tank design and modelling. He and his research group have been co-authors of 4 of the International Water Association (IWA) Scientific and Technical Reports (STR) on activated sludge modelling, community analysis and secondary settling tanks.



Prof. Bruce Jefferson, Cranfield University – United Kingdom

Dr Bruce Jefferson is a chemical engineer with a BEng and PhD from Loughborough University and joined the staff in Water Sciences in 1997. He was subsequently appointed to the post of Senior Research Fellow in 2003 and the Senior Lecturer in 2006. Current posts include visiting positions at RMIT (Australia), University of New South Wales (Australia). His research interests involve understanding how the underlying process pathways can be better managed to deliver a paradigm shift in how we apply technology for sewage treatment and drinking water production.



Prof. Ulf Jeppsson, Lund University – Sweden

Dr Ulf Jeppsson is Associate Professor at the Department of Industrial Electrical Engineering and Automation of the Lund University. He has a doctorate in Industrial Automation, from the Lund University, Sweden, 1996. His professional fields of interest are automation and control, mathematical modelling, simulation, benchmarking and control applied to urban water and wastewater systems and wastewater treatment plants (WWTP). He has over 20 years experience on all aspects concerning with WWTP modelling, benchmarking and control.



Prof. Piet Lens, UNESCO-IHE – Netherlands

Dr. Lens is professor of Environmental Biotechnology at the Pollution Prevention and Resource Recovery Chair Group of the Department of Environmental Engineering and Water Technology of UNESCO-IHE. His research focuses on biofilms, sulfur biotechnology, metal speciation, bioavailability and removal, natural treatment systems, anaerobic wastewater and waste gas treatment for resource recovery and reuse. His awards include a Marie Curie Excellence Grant (2004) and a nomination as IWA fellow (2010).

Keynote Speakers



Prof. Ingmar Nopens, Ghent University – Belgium

Dr Ingmar Nopens is Associate professor at Ghent University. He has a Bio-science Engineering degree. He has a doctorate in Applied Biological Sciences, from Ghent University, Belgium, 2005. He is head of BIOMATH research group at Ghent University. He has over 10 years experience on wastewater modelling. His professional fields of interest are model-based process analysis, biokinetic modelling, computational fluid dynamics, population balance modelling.



Prof. Hallvard Ødegaard, Norwegian University of Science and Technology – Norway

Dr Hallvard Ødegaard is Professor Emeritus at the Norwegian University of Science and Technology (NTNU), Trondheim, Norway. He is Civil Engineer and has a doctorate in Civil and Environmental Engineering, from Norwegian Institute of Technology (NTH), 1975. Since 1977 he has been professor in Water and wastewater treatment at the NTNU. He and his research group developed the moving bed biofilm reactor (MBBR) process. He has over 30 years experience on wastewater treatment and advanced processes.



Prof. Gustaf Olsson, Lund University – Sweden

Gustaf Olsson is Professor Emeritus at Lund University, Sweden since 2006. He has devoted his research to control and automation in water systems, electrical power and process industries. He has served in various positions within the International Water Association (Director, Honorary member). He has received the Lund University pedagogical award for “distinguished achievements in the education”. The Lund University engineering students have elected him as the “teacher of the year”. In 2010 he received the IWA Publication Award.



Prof. Mark C.M van Loosdrecht, Delft University of Technology – Netherlands

Dr Mark C.M van Loosdrecht is Full Professor at the Department of Biotechnology of Delft University of Technology. He has a doctorate in Microbiology, Wageningen University, The Netherlands, 1988. He has spent over 20 years on the key research topics surrounding wastewater treatment: Biofilm and Granular Sludge Systems, Microbial storage polymers, Nutrient removal processes, Microbial ecology of engineered systems. He won the 2014 Spinoza Prize for his research and development on the field of the behaviour of biomass in dynamic conditions.

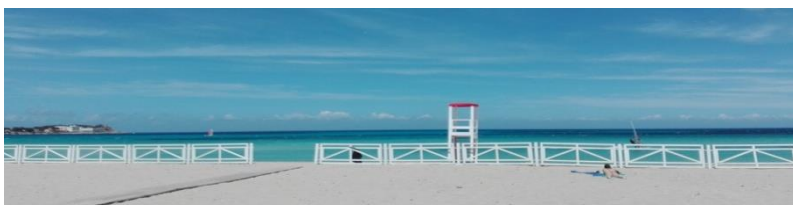


Prof. Peter A. Vanrolleghem, Université Laval – Canada

Dr Peter Vanrolleghem is full professor at the Civil and Water Engineering Department of Université Laval, Canada. He has a doctorate in Environmental Technologies from Ghent University, Belgium, 1994. His research focuses on urban wastewater systems and tackles challenges such as nutrient, micropollutants and greenhouse gases, by developing mathematical models, automated monitoring stations, process control and in-house pilot- and full-scale experimental work. He is chair of WEF's Modeling Expert Group of the America's (MEGA) and is Member of WEF's House of Delegates, representing Québec.

Scientific committee

Giorgio Mannina, Italy - Conference Chair
Norhayati Abdullah, Malaysia
Eduardo Ayesa, Spain
Dan Ames, USA
Juan Antonio Baeza Labat, Spain
Damien Batstone, Australia
Evangelina Belia, Canada
Joshua P. Boltz, USA
Christoph Brepols, Germany
David Butler, UK
Donatella Caniani, Italy
Roberto Canziani, Italy
Joaquim Comas, Spain
Mauro De Marchis, Italy
George A. Ekama, South Africa
Giovanni Esposito, Italy
Francesco Fatone, Italy
Krist Gernaey, Denmark
Sylvie Gillot, France
Riccardo Gori, Italy
Xia Huang, China
Bruce Jefferson, UK
Ulf Jeppsson, Sweden
Katsuki Kimura, Japan
Piet Lens, Netherlands
Zifu Li, China
Yanchen Liu, China
Jacek Makinia, Poland
Simos Malamis, Greece
Ingmar Nopens, Belgium
Hallvard Ødegaard, Norway
Jan Oleszkiewicz, Canada
Gustaf Olsson, Sweden
Diego Rosso, USA
Ilse Smets, Belgium
Michael Stenstrom, USA
Mathieu Sperandio, France
Michele Torregrossa, Italy
Marcos von Sperling, Brasil
Jiri Wanner, Czech Republic
Mark C.M van Loosdrecht, Netherlands
Peter Vanrolleghem, Canada
Gaspere Viviani, Italy
Eveline I.P. Volcke, Belgium
Zhiguo Yuan, Australia



Conference topics

- ✓ Carbon, nutrient removal and recovery
- ✓ Membrane Bioreactors
- ✓ Anaerobic digestion
- ✓ Computational fluid dynamics in wastewater
- ✓ Benchmarking
- ✓ MBBR and hybrid systems
- ✓ Greenhouse gases from wastewater treatment and energy optimization; life cycle assessment
- ✓ Real demands among practitioners, engineers in wastewater treatment and simulation
- ✓ New frontiers in wastewater treatment



IMPORTANT DEADLINES

20 August 2016

First call for papers

20 October 2016

Second call for papers

15 December 2016

Deadline for the submission of extended abstracts

1 March 2017

Notification of abstract acceptance

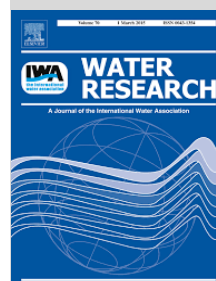
1 April 2017

Deadline for revised extended abstracts and/or paper submission

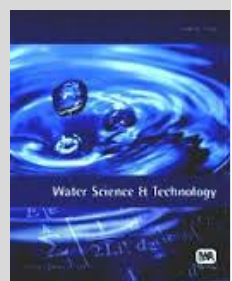
10 April 2017

Early bird registration ends

PAPER PUBLICATIONS*



Papers will be selected for publication in Journals:
Water Research
Water Science & Technology



*Pending approval

Organizing committee

Giorgio Mannina, Conference Chair, University of Palermo – Italy

Donatella Caniani, University of Basilicata - Italy

Giovanni Esposito, University of Cassino - Italy

Riccardo Gori, University of Florence – Italy

Michele Torregrossa, University of Palermo - Italy

Gaspere Viviani, University of Palermo - Italy

Attendance instructions

Three main types of participation will be possible:

1. Platform presentation; 2. Poster presentation and 3. Without presentation (audience). Extended abstracts of papers should be written in English, and prepared according to the template, please find on conference website: www.ficwtmod2017.it

Extended abstracts should be submitted via conference website. Submissions are welcome from highly motivated people and must be received before 15th December 2016.

On the basis of the submitted extended abstracts, a review will be undertaken to select the best papers for oral presentation or poster presentation. Notification of acceptance will be sent before 1st March 2017. All selected extended abstracts will be published in the proceedings with an ISBN. If your extended abstract will be selected you are invited (voluntary for poster presentation) to prepare (before 1st April 2017) an 10-page full manuscript which will be included to the conference proceedings. At least one author of each selected paper must register and attend the conference to present the paper (poster or platform presentation).

REGISTRATION FEES

Early bird (up to 10th April 2017)

IWA and iEMSs Member	490 €
Non IWA and iEMSs Member	590 €
Students	290 €
Low income country IWA and iEMSs Member	300 €
Low income country non IWA and iEMSs Member	380 €

After 10th April

IWA and iEMSs members	560 €
Non IWA and iEMSs members	660 €
Students	340 €
Low income country IWA and iEMSs Member	350 €
Low income country non IWA and iEMSs Member	430 €

RELATED EVENTS

3rd Edition

Advanced Course on wastewater treatment and modelling

17-20 May 2017, Palermo – IT

<http://treatmentmodellingcourse.unipa.it/>

CONTACT US

Conference website:

www.FICwtmod2017.it

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info@ficwtmod2017.it

