

6th IWA/WEF

Water Resource Recovery Modelling Seminar Call for abstracts

Lac Beauport, Québec, Canada
March 10 to 14, 2018

Website: WRRmod2018.org
Contact: info@WRRmod2018.org

SCOPE

WRRmod 2018 is the sixth seminar in the biennial modelling seminar series started in 2008 under the name WWTmod, wastewater treatment modelling. WRRmod promotes ongoing dialog between experts by providing a regular forum to facilitate discussions on all aspects of **water resource recovery modelling**, especially “within the fence” (whole plant modelling). The main objective of the seminar is to disseminate recent findings and case studies with an aim to build consensus, and develop best practices for the most pressing challenges faced by the water resource recovery industry.

PHILOSOPHY

WRRmod favours quality over quantity. This is guaranteed by a single track seminar set-up (starting on Monday and ending on Wednesday) with a schedule that includes ample time for discussion on every presentation. All sessions will be led by a moderator, and include an extended brainstorming/ discussion at the end.

Several parallel full-day workshops will be scheduled for Sunday in an effort to lay the groundwork for consensus building on topics selected by the scientific committee from submitted proposals. These workshops will be preceded by a **YWP workshop** (on Saturday) organized and attended by YWP (Young Water Professionals). Active involvement of YWP is at the heart of the WRRmod conference series.

By limiting the number of participants to 120 motivated individuals that are active in the water resource recovery modelling field, consensus on a number of issues is assured. Participation in WRRmod is by invitation following an application review procedure.

WRRmod 2018

PROGRAMME

The program will be based on an **open call for abstracts (deadline 15 October 2017)**. Those who wish to present at the seminar are encouraged to start the consensus building process by collaborating with co-authors from different groups on 3-page abstracts for platform presentations and for workshops. Where reasonable, the scientific committee may condense the topics of major interest and invite groups to present their ideas collectively. The scientific committee reserves the right to ask for fusion papers where it identifies an overlap between abstracts submitted by different groups.

PROPOSED THEMES

Modelling of water resource recovery facility processes within the fence (whole plant/plant-wide):

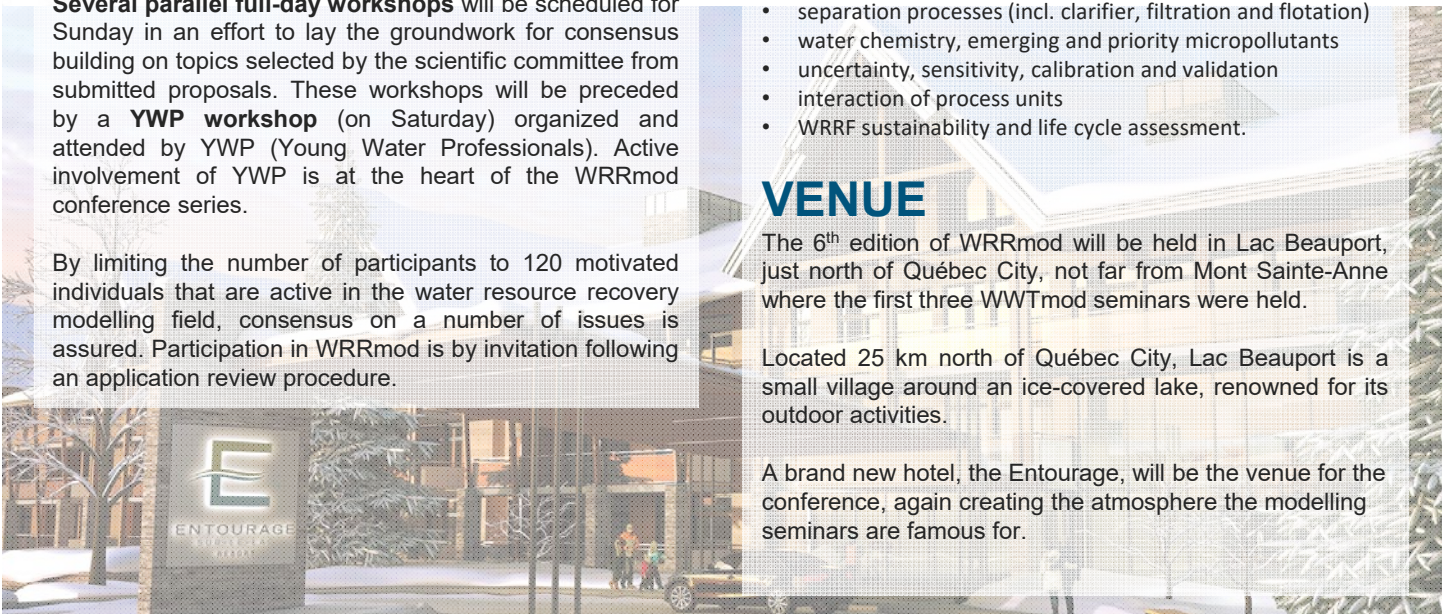
- plant design and operation
- activated sludge (traditional and MBR), biofilm processes
- sludge treatment (incl. anaerobic digestion)
- mainstream/sidestream treatment, whole plant modelling
- water resource recovery (water, nutrients, energy, others)
- separation processes (incl. clarifier, filtration and flotation)
- water chemistry, emerging and priority micropollutants
- uncertainty, sensitivity, calibration and validation
- interaction of process units
- WRRF sustainability and life cycle assessment.

VENUE

The 6th edition of WRRmod will be held in Lac Beauport, just north of Québec City, not far from Mont Sainte-Anne where the first three WWTmod seminars were held.

Located 25 km north of Québec City, Lac Beauport is a small village around an ice-covered lake, renowned for its outdoor activities.

A brand new hotel, the Entourage, will be the venue for the conference, again creating the atmosphere the modelling seminars are famous for.



INFORMATION for AUTHORS

WEBSITE

www.WRRmod2018.org

With information on:

- Submission guidelines
- On-line submission system
- Templates (abstract and application for participation)
- Accommodation
- Registration
- Contacts

PUBLICATION

Selected papers will be submitted to Water Science and Technology.

ABSTRACTS

Groups interested in presenting their ideas at the seminar should submit an extended abstract for a platform presentation or a workshop not exceeding 3 pages (see website for templates and more information).

IMPORTANT DATES

Submission of abstracts	15 Oct 2017
Invitation of presenters & program	10 Dec 2017
Application for participation	15 Jan 2018
Submission of final papers	1 Feb 2018
Early bird registration	15 Feb 2018

REGISTRATION FEES (incl. all lunches, dinners and social events from Sunday morning to Wednesday afternoon)

Early bird registration (IWA/WEF Members)	890 CAD
Early bird registration Non Members	990 CAD
Early bird registration YWP/LAMIC ¹	690 CAD
Registration IWA/WEF Members	990 CAD
Registration Non Members	1090 CAD
Registration YWP/LAMIC	750 CAD
Accompanying Person	200 CAD

¹LAMIC: low and middle income country

SUPPORTING ORGANIZATIONS

WEF Committee:

WEF Biofilm Interest Group (BIG, Chair: Oliver Schraa)

WEF Modelling Expert Group of the Americas (Chair: Leiv Rieger)

IWA Specialist and Task Groups:

Modelling and Integrated Assessment (MIA, Chair: Ingmar Nopens)

Specialist Group on Anaerobic Digestion (Chair: Damien Batstone)

Specialist Group on Biofilms (Chair: Eberhard Morgenroth)

Specialist Group on Instrumentation, Control and Automation (ICA, Chair: Eveline Volcke)

Specialist Group on Microbial Ecology and Water Engineering (Chair: Tom Curtis)

Specialist Group on Nutrient Removal and Recovery (Chair: Sudhir Murthy)

Task Group on Benchmarking of Control Strategies for Wastewater Treatment Plants (BSM, Chair: Ulf Jeppsson)

Task Group on Design and Operations Uncertainty (DOUGroup, Chair Evangelina Belia)

Task Group on Good Modelling Practice – Guidelines for Use of Activated Sludge Models (GMP, Chair Leiv Rieger)

TG on the Use of Water Quality and Process Models for Minimizing Wastewater Utility Greenhouse gas Footprints (GHG, Chair: Jose Porro)

Working Group on Modelling of Integrated Urban Water Systems (MIUWS, Chair: Lorenzo Benedetti)

National and Local organizations: Canadian Association for Water Quality & Réseau Environnement

SCIENTIFIC COMMITTEE

To foster young water professionals (YWPs) and to involve them in the work of scientific committees, this edition is once again a mix of experienced and young and promising water professionals both from practice and academia. They were selected through a call for interest.

Yves Comeau, Co-Chair, Canada

Mathieu Spérandio, Co-Chair, France

Nicolas Derlon, incoming Co-Chair, Switzerland

Kris Villez, incoming Co-Chair, Switzerland

YWPs:

Wim Audenaert, Belgium

Giacomo Bellandi, Italy

Ana Barbara B. de Faria, France

Dominique Claveau-M., Canada

Javier Climent, Spain

Daniela Conidi, France

Sherri Cook, USA

Anton Dapcic, USA

Haydee De Clippeleir, USA

Patrick Dunlap, USA

Tamara Fernandez, Spain

Ahlem Filali, France

David Ikumi, South Africa

Murthy Kasi, USA

Nick Landes, USA

Mark Miller, USA

Juan-Garcia Pau, USA

David Riedel, USA

Ángel Robles, Spain

Jorge Santos, Portugal

Heather Stewart, USA

Elena Torfs, Canada

Kshitiz Uprety, USA

María E. Valle Medina, France

Borja Valverde Pérez, Denmark

Tanush Wadhawan, USA

Phil Yi, USA

EWPs (experienced):

Magnus, Arnell, Sweden

Damien Batstone, Australia

Evangelina Belia, Canada

Lorenzo Benedetti, Croatia

Charles Bott, USA

Joaquim Comas, Spain

Xavier Flores-Alsina, Denmark

Sylvie Gillot, France

Dwight Houweling, Canada

Güçlü Insel, Turkey

Ulf Jeppsson, Sweden

Jose Jimenez, USA

Bruce Johnson, USA

Yongmei Li, China

Adrienne Menniti, USA

Ingmar Nopens, Belgium

Diego Rosso, USA

Randal Samstag, USA

Domenico Santoro, Canada

Kim H. Soerensen, Austria

Jean-Philippe Steyer, France

Mark van Loosdrecht, Netherlands

Eveline Volcke, Belgium

Stefan Weijers, The Netherlands

Jim Wicks, U.K.

ORGANIZING COMMITTEE

Peter Vanrolleghem, Co-Chair, Université Laval

Leiv Rieger, Co-Chair, inCTRL Solutions

Elena Torfs, coordinator, Université Laval

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