Announcement and Call for Contributions

2nd IWA/WEF
Wastewater Treatment Modelling Seminar

Mont-Sainte-Anne, Québec, Canada
March 28-30, 2010

www.modelEAU.org/WWTmod2010

ORGANIZATION
modelEAU – Université Laval
Département de génie civil
WWTmod2010@modelEAU.org

SEMINAR VENUE
Château Mont-Sainte-Anne
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www.chateaumsa.com/en/
SCOPE OF WWTmod2010

WWTmod2010 is the second seminar in the modelling series started in 2008. The positive feedback on the first meeting encouraged the organizers to plan the second seminar for 2010. Inspired by the modelling seminar series in Kollekolle (Denmark) WWTmod promotes the dialog between experts by providing a regular discussion platform on all aspects of wastewater treatment modelling, especially “within fence” (whole plant modelling).

Emerging contaminants, stricter effluent limits and the climate change discussions are driving forces for model development and application. A number of new model concepts/extensions and calibration approaches have been developed in the last decades by different research groups and companies.

The main objective of the seminar is to present recent findings and successful case studies with the aim of bringing together different “schools” and approaches with the aim of consensus building and clarification of differences on topics where discussion has matured. The process of consensus building is supported by inviting targeted people from research, consulting companies, equipment suppliers and wastewater treatment plants.

The widespread use of wastewater treatment models depends on the development of widely accepted standards and procedures. The organizers hope this seminar will contribute to the further development of “Good Modelling Practice” in this field.

PHILOSOPHY OF WWTmod2010

WWTmod is favouring quality over quantity. This is guaranteed by having a single track seminar set-up and a schedule which allows all attendees a close look at details and provides ample time for discussion on every presentation. All sessions will be led by a moderator, and will include an extended brainstorming/discussion at the end.

The seminar will start on Sunday with seven parallel full-day workshops which will prepare the ground for consensus building on topics selected by the scientific committee. On Monday afternoon there is another opportunity for a break-out session of smaller groups. All workshops and break-out sessions will report their results to the plenary session.

The goal of coming to a consensus on a number of issues and defining “Good Modelling Practice” is only possible by bringing together a small motivated group of people active in wastewater treatment modelling. The organizers will therefore limit the number of participants to 120 persons.

PROGRAMME DEVELOPMENT

The set-up of the programme will be based on an open call for contributions. Those who wish to present at the seminar, are encouraged to start the consensus building process by submitting 3 page abstracts preferably involving coauthors from different groups. The scientific committee will condense the topics of major interest and invite groups to present their ideas. The scientific committee reserves the right to ask for fusion papers where it sees an overlap between abstracts submitted by different groups.

To provide a platform to discuss less matured topics, WWTmod2010 offers 7 full-day workshops on Sunday. A 3 page workshop proposal should lay out the objectives and the set-up of the workshop and name involved presenters/organizers.

PROPOSED SEMINAR THEMES

Modelling of wastewater treatment plants as a whole (within fence/whole plant/plant-wide modelling), with a focus of the use of models in plant design and operation:

- plant design and operation
- activated sludge (traditional and MBR)
- biofilm processes (including MBBR/FAS)
- anaerobic digestion
- sidestream treatment
- separation processes
- process control
- water chemistry
- priority pollutants - microconstituents
- uncertainty, calibration, validation
- and especially the interaction of process units.

INVITATION OF PARTICIPANTS

In contrast to other seminars or conferences, the participation in WWTmod2010 is by invitation only. The following selection procedure will be applied giving preference to people actively involved in the organization or contributing to the program. Note that the organizers favour the participation of practitioners and treatment plant staff and will work to provide a good balance of attendees (gender, job type, junior/senior, and geography). A contingent of ten seats will be reserved for Young Water Professionals (YWP). The YWPs for these seats will be selected by the YWP committee.

- The presenting author of an accepted contribution (oral, workshop or poster presentation) is automatically invited to register.
- Scientific and Organizing Committee members are invited to register along with WWTmod2010 sponsors.
- Those who wish to attend without presentation have to submit a one page application describing their potential contribution to the seminar (make clear why you should be invited).
To foster young water professionals and to introduce them to the work of scientific committees, every senior member has been invited to nominate a young and promising water professional to be connected to him/her within the program committee. These two have to come up with a single answer to questions related to the programme set-up and they also have to write the reviews together.

Senior member
Leiv Rieger: Canada (chair SC)
Bruce R. Johnson: USA (co-chair SC)
Eduardo Ayesa: Spain
Damien Batstone: Australia
Joshua P. Boltz: USA
Ken Brischke: USA
Joaquim Comas: Spain
Yves Comeau: Canada
John Copp: Canada
George Ekama: South Africa
Sylvie Gillot: France
Ulf Jeppsson: Sweden
David J. Kinnear: USA
Henryk Melcer: USA
Eberhard Morgenroth: Switzerland
Sudhir Murthy: USA
J.B. Neethling: USA
Ingmar Nopens: Belgium
Adrian Oehmen: Portugal
Heather Phillips: USA
Diego Rosso: USA
Oliver Schraa: Canada
Andrew R. Shaw: USA
Hansruedi Siegrist: Switzerland
Gurkan Sin: Denmark
Kim H. Soerensen: France
Jean-Philippe Steyer: France
Imre Takács: France
Mark van Loosdrecht: The Netherlands
Peter A. Vanrolleghem: Canada

Young Water Professional
Dirk Muschalla: Canada
Marc Neumann: Canada
Paloma Grau: Spain
Jorge Rodríguez Rodríguez: UK
Kelly Martin: USA
Cameron Stab: Australia
Lluís Corominas: Canada
Dwight Houweling: Canada
Monica de Gracia: Spain
Ana Julia Pena-Tijerina: USA
Hélène Hauduc: France
Kris Villez: USA
Anne-Emmanuelle Stricker: France
Jose Jimenez: USA
Doris Brockmann: France
Katya Bilyk: USA
Nicolas Rios: Belgium
Marc-André Labelle: Canada
Sebastián Puig: Spain
Baneeta Sabherwal: USA
Marie Sedran Burbano: USA
Hank Andres: Canada
Carlos Lopez: USA
Markus Gresch: Switzerland
Pascal Boisson: France
Julie Jimenez: France
Albert Guisasola: Spain
Alexandre Gali: Spain
Eveline Volcke: Belgium
Victoria Ruano García: Spain

Supporting Organizations

Supporting WEF committees
- Modelling Expert Group of the Americas (MEGA, chair: I. Takács) as a sub-committee of the Municipal Wastewater Treatment Design Committee (MWWTDC, chair: J. Sandino)

Supporting IWA specialist and task groups
- Hosted by the Specialist Group on Systems Analysis and Integrated Assessment (SAA, chair: P.A. Vanrolleghem)
- Specialist Group on Instrumentation, Control and Automation (ICA, chair: Z. Yuan)
- Specialist Group on Nutrient Removal and Recovery (chair: J.A. Oleszkiewicz)
- Specialist Group on Anaerobic Digestion (chair: J Van Lier)
- Specialist Group on Activated Sludge Population Dynamics (chair: P.H. Nielsen)
- Specialist Group on Biofilms (chair: Z. Lewandowski)
- Task Group on Good Modelling Practice – Guidelines for Use of Activated Sludge Models (GMP, chair: L. Rieger)
- Task Group on Benchmarking of Control Strategies for Wastewater Treatment Plants (BSM, chair: U. Jeppsson)
- Task Group on Uncertainty Evaluations in WWTP Design and Operations (DOUTGroup, chair: E. Bella)

Local professional associations
- Réseau Environnement, Québec, Canada
- Canadian National Committee of the International Water Association (CNC/IWA)
INFORMATION
FOR AUTHORS

Website
www.modeleau.org/WWTmod2010
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 & Technology.

Submission Guidelines for Contributions
Application for participation
Since participation is based on invitation only, everybody interested in attending WWTmod2010 without presentation has to submit a statement on his/her potential contribution (not exceeding 1 page) before 15 November 2009.

Abstracts
Groups interested in presenting their ideas at the seminar should submit an extended abstract or a workshop proposal not exceeding 3 pages (see website for templates and more information). The abstract should be submitted before 01 August 2009.

Important Dates
Submission of abstracts
01 Aug 2009
15 Oct 2009
15 Nov 2009
15 Dec 2009
01 Feb 2010
01 Feb 2010
28 Mar –
30 Mar 2010

Invitation of presenters + program available
15 Oct 2009
15 Nov 2009
15 Dec 2009
01 Feb 2010
01 Feb 2010

Application for participation
Invitation of participants
Submission of final papers
Early bird registration for invited participants until
Seminar

Registration Fees
Early bird registration IWA/WEF Members
825 CAD
990 CAD
550 CAD
925 CAD
1090 CAD
650 CAD
290 CAD

Hotel costs
Rooms
155.00 CAD per night, single occupancy
170.00 CAD per night, double occupancy

Please contact us for prices for family suites.

LOCAL CONTACT
Peter Vanrolleghem, modelEAU, Université Laval
WWTmod2010@modelEAU.org

DAY CARE FOR CHILDREN
To encourage you to bring your family with you we are organizing day care for your youngsters. The organizers are happy to offer a wide range of activities for younger (0-6 yr) and also older children (7-12 yr) including swimming, painting, sports and of course plenty of out-door activities. The organizers will guarantee a price of 40.00 CAD per day and child.

SEMINAR VENUE
Participants of WWTmod2008 will confirm that Château Mont-Sainte-Anne was an excellent choice which created the right atmosphere required for day-long fruitful discussions.

Château Mont-Sainte-Anne, a mountain resort hotel and conference center, is located near the St. Lawrence river and only 30 minutes away from Québec City. It provides appealing meeting and comfortable hotel rooms and the restaurant serves the substrate required to discuss until the early morning hours. If you need to recharge your batteries after a day full of demanding discussions, the outdoor pool or the Spa center with exercise room will certainly fit your needs.

The region around the venue offers plenty of sporting activities (the venue is part of an excellent ski resort and the slopes are open), relaxation, cultural attractions and of course the beautiful landscape of the St. Lawrence valley. Enjoy the many hiking, snow-shoe and cross-country ski trails on and around Mont-Sainte-Anne, one of the best and most renowned mountain resorts of eastern Canada.

And last but not least Quebec City is one of the most appealing tourist destinations in North America and certainly worth a visit (see www.ville.quebec.qc.ca).