

USEPA SWMM and PCSWMM.NET stormwater modeling workshops

February 19-20, 2008. Toronto, Ontario.

For more information visit www.computationalhydraulics.com or contact:

Bill James (info@computationalhydraulics.com)

Tel: (519) 767-0197; Fax: 519-489-0695

International conference on Stormwater and Urban Water Systems Modeling

February 21-22, 2008. Toronto, Ontario.

For more information and to submit abstracts or displays (deadline Jan 25, 2008 - 3 weeks prior to conference), visit

www.computationalhydraulics.com or contact:

Bill James (info@computationalhydraulics.com)

Tel: (519) 767-0197; Fax: 519-489-0695

Call for Papers: International conference on Stormwater and Urban Water Systems Modeling, February 21-22, 2008. Toronto, Ontario.

Call for Papers: Abstracts for papers are solicited on the use of state-of-the-art computer models for resolving real pollution problems and for water supply and distribution; urban drainage system design and analysis; surface water quality modeling; stormwater and pollution management modeling; modeling impacts on aquatic ecosystems and habitats; wetlands and BMPs; eco-restoration; field data monitoring and emerging instrumentation; GIS; decision analysis systems; facilities management systems; and policy legislation, permitting and enforcement.

Call for Displays: Requests to display equipment, instrumentation, publications, software and other material should be directed to the contact below:

Deadline for abstracts: January 25, 2008 - 3 wks prior to conference.

For more information, visit www.computationalhydraulics.com or contact:

Bill James (info@computationalhydraulics.com)

Tel: (519) 767-0197; Fax: 519-489-0695

Further Information:

The **conference** is sponsored by the ASCE Urban Water Resources Research Council, the AWRA, the US EPA, the Ontario Ministry of Environment and Energy, the CSCE, and Conservation Ontario. It is the 17th annual in the present Toronto location, and the 41st in the series held annually in the U.S. and Canada. It generates a 500p hard-cover book, extensively refereed, edited and indexed. Attendees from the U.S., Canada and overseas number approx. 150.

The **workshops** are sponsored by Computational Hydraulics Int.

Two major integrated modeling packages for stormwater and sanitary system modeling and design - the USEPA Stormwater Management Model (SWMM) and

PCSWMM.NET - will be taught in a two-day hands-on workshop, offering 1.5 CEUs.

Day 1 - Introduction to SWMM/PCSWMM modeling

Introduction to SWMM hydrology/hydraulics and modeling procedures: discretization, sensitivity, calibration, error analysis; Overview of SWMM applications: examples of new development drainage design, remediation, mitigation work, water in basements (WIBs), rainfall dependant infiltration/inflow (RDII), and watershed scale planning; Surface runoff event modeling: processes, data requirements, results interpretation, hands-on exercises; Event modeling hydraulics incl. natural channel, free-surface, surcharge, and backwater flow effects: theory, limitations, applications, hands-on exercises; Detailed drainage design hands-on exercises.

Day 2 - Intermediate/advanced use of SWMM/PCSWMM

GIS integration, importing/exporting, entity aggregation/disaggregation, discretization and visual analysis; Sensitivity, calibration, and error analysis (SCEA); Precipitation and meteorological data management, radar-rainfall, storm dynamics analysis, probability and statistics, hands-on exercises; Continuous modeling aspects of runoff, transport and storage treatment: processes, data requirements, model output, hands-on exercises; Detention pond design and multiple best management practice (BMP) analysis.

Fees are: Conference: C\$234 /US\$234
 Workshop: C\$945 /US\$945