



HEC-RAS Modeling Including Advanced Applications

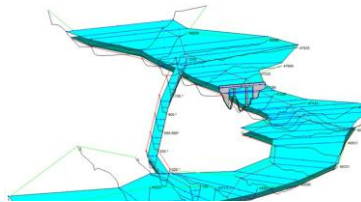
The Content

The workshop covers the basic theoretical background of one-dimensional hydraulic modeling, model calibration, bridges and weirs, flood flow simulation and inundation mapping, flow separation, and simulation of unsteady flow. The participants will have the opportunity to practice using HEC-RAS on their own computers during the course based on exercises that cover each topic. An emphasis will be given on conveying general modeling principles including field data collection, quality control, purpose of hydraulic modeling and discussing the limitations of one-dimensional hydraulic modeling in general and HEC-RAS in particular.

The workshop is suitable for practitioners that have a basic understanding of river hydraulics and already have basic knowledge of using HEC-RAS.

The Instructors

Wolf Ploeger, Dr.-Ing., is Project Manager at Golder Associates in Calgary. He graduated from Hamburg University of Technology in 2001 as Civil engineer with focus on water resources and river engineering. He received his doctor degree in 2006 on the measurement and simulation of bed form dynamics. Wolf has worked on and has managed projects in the field of hydraulic and hydrologic modeling, flood mapping, and river engineering in Germany and Canada. He has gained extensive experience in 1D and 2D numerical modeling of small to large rivers with or without tidal influence, modeling, survey and field measurements and river restoration.



Course Outline

- Introduction
- Theoretical Background
- Model Calibration
- Bridges and Weirs
- Flood Simulation and Inundation Mapping
- Flow Separation
- Unsteady Flow Simulations
- Discussion and Summary



VENUES

MONCTON – May 27, 2014
Faculté de l'ingénierie
Room 147G2
Université de Moncton
18, avenue Antonine-Maillet
Moncton, NB E1A 3E9
506-858-4300

HALIFAX – May 28, 2014
Halifax Marriott Harbourfront Hotel
Acadia A Room
1919 Upper Water Street
Halifax, NS B3J 3J5
902-421-1700

This course is endorsed by



REGISTRATION

To register online, please click : <http://csce.ca/product/hec-ras-at/>

7:45 Registration – 8:30 Start of Session – 10:00 Coffee Break – 12:00 Lunch – 15:00 Coffee Break – 16:30 End of Session

	By May 6, 2014		After May 6, 2014	
	NB	NS	NB	NS
CSCE Members	\$450 + T = \$508.50	\$450 + T = \$517.50	\$500 + T = \$565.00	\$500 + T = \$575.00
New Members (1)	\$470+\$95+T = \$638.45	\$470+\$95+T = \$649.75	\$520+\$95+T = \$694.95	\$520+\$95+T = \$707.25
Non-members	\$550 + T = \$621.50	\$550 + T = \$632.50	\$600+tax = \$678.00	\$600 + T = \$690.00
Students	\$100 + T = \$105.00	\$100 + T = \$115.00	\$100 + T = \$113.00	\$100 + T = \$115.00

(1) MONCTON SESSION ONLY

- ▶ **GROUP RATES** (5 and more) are available upon request.
- ▶ **NEWLY ENROLLING MEMBERS** pay a special introductory membership fee of \$95 plus tax and obtain a discount on all future CSCE events.

Cancellation & Substitution Cancellation requests received more than 14 calendar days before the start of the course will receive a full refund minus a \$100 administration fee.
Cancellation requests received within the 14 days prior to the start of the course will be non-refundable.
CSCE reserves the right to cancel any course and will, in such event, fully refund all registration fees.
Any registrant may substitute another person eligible for the same fee at any time prior to the start of the course.

For group rates and any additional information, please contact:

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