AHYDTECH Geomorphic
ADVANCED HYDROLOGY HYDRAULIC GEOMORPHOLOGY

Workshop / Training

SMS & 2D Hydraulic (SRH-2D) Modeling

January 26, 2017

at

Rideau Valley Conservation Authority

3889 Rideau Valley Drive, Manotick, Ontario K4M 1A5

Designed for Water Resources Specialists, Hydrologists, and Water Resources Engineers with experience in hydraulic modeling

Learn SMS and SRH-2D Hydraulic Modeling. You can develop and compile 2D Hydraulic Model faster than 1D HEC-RAS model.

2D Hydraulic Modeling is NO longer COMPLEX and TIME CONSUMING

Take ONE-DAY training and develop your own 2D model NEXT DAY

Instructor

The one-day course will be instructed by Dr. Bahar SM, who is expert in hydraulic modeling with over 28 years of experience in fluvial geomorphology, water resources and coastal engineering. He developed 2D hydrodynamic and 2D sediment transport codes during his Ph. D. and Post-Doctoral research. Bahar taught hydrology and urban hydraulics. He completed many projects using SMS and its 2D modeling software.

FEE: $375 + HST

For any questions contact: Dr. Bahar SM
                Phone: 519-400-0264
                Email: bahar@ahydtech.ca

Participants will get one month SMS license (education/evaluation). Please register early as space is limited. You will be confirmed upon receipt of payment.

Participants are required to bring their laptop computer to the workshop

COURSE OUTLINE

8.30am: Welcome & Introduction

9.00am: Fundamentals of 2D Hydraulic Modeling

9.30am: Introduction of SMS Features: Map, Mesh, Scatter, GIS, Raster, 2D-3D Animation

10.15am: Coffee Break

10.30am: Conceptual Model Development: Structured / Unstructured Meshes, Material Properties (Manning's n), Boundary Conditions of SRH Model

12.00pm: Lunch Break

12.30pm: Tutorial # 1: Conceptual Model Map, Mesh, Material Properties (Manning's n), Boundary Conditions of SRH Model

1.30pm: 1D Hydraulic Structure Bridge/Culvert Modeling

2.00pm: Coffee Break

2.15pm: Tutorial # 2: 1D Bridge/Culvert Modeling

3.00pm: 2D Bridge/Culvert Modeling

3.30pm: Tutorial # 3: 2D Bridge/Culvert Modeling

4.00pm: Develop your own 2D model

More detailed information about SMS can be obtained from the websites below:

http://chl.erdc.usace.army.mil/sms

http://www.aquaveo.com/software/sms-surface-water-modeling-system-introduction

http://www.xmswiki.com/wiki/SMS:SMS

http://xmswiki.com/wiki/SMS:SRH-2D

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REGISTRATION FORM

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Please email or fax completed form to contact noted below

Mr. / Mrs. / Ms.   **First Name:** _____   **Last Name:** _____

Organization: _____

Title / Role: _____

Phone: _____   **Cell:** _____

Email: _____

Mailing Address: _____

City, Province, Postal Code: _____

Course Fee: $375 + $48.75 (HST) = $423.75

Payment Method: ☐ Visa Card   ☐ Master Card   ☐ Cheque, please make payable to
AHYDTECH Geomorphic Ltd.

MasterCard / Visa: **Card Number:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

                    Expire Date: _____

                    Name on Card: _____

To register, please return this form to:

Dr. Bahar SM
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Phone: 519-400-0264, Fax: 519-341-7109, Email: bahar@ahydtech.ca