

INTRODUCTION

The primary objective of this workshop is to bring together all the professionals from academic institutions, relevant industries and research scholars to enhance their knowledge in integrated soil water modelling. It provides an in-depth understanding of the behavior of several water resources systems with interaction to soil. This workshop is focused on the relevant problems/burning issues mainly to address the Barak valley broadly speaking Brahmaputra basin problems. In this regard, sharing the practical knowledge with experts from academia, industries and research people and collaborate with the invited experts and also other reputed institutes and industries.

OBJECTIVES

To provide a comprehensive understanding on several issues of soil water interaction and applicability of the models to address some critical issues.

To deliver the relevant case studies on various practical problems.

To address the real world complex problems by numerical modeling like River modeling software MIKE 21 etc.

CONTENTS

The main aim of this workshop is to cover a wide range of critical topics concerning the integrated soil water modeling of the complex behavior of water, soils and combination of the two in water industry. It essentially involves the seepage through porous media, soil water plant interaction, major concerns associated to hydraulic structures like erosion, scouring etc, river modeling, turbulence and mechanics of sediment transport, groundwater modeling etc. The main goal is to exchange the knowledge and discussion on recent research studies to solve the scorching matters in the field of water resources engineering, geotechnical engineering, and computational hydraulics.

HIGHLIGHTS OF THE PROGRAMME

Technical sessions and discussions will be conducted by the expert faculties/scientists of various premier institutes like IITs, IISc and other reputed organizations.

EXPERT SPEAKERS

1. Prof. Subhasish Dey, IIT KGP
2. Prof. Deepak Kashyap, IIT Ropar
3. Prof. Rajib Maity, IIT KGP
4. Dr. Rajib Sarkar, IIT(ISM) Dhanbad
5. Mr. Apruban Mukherjee, consultant, ex-DHI

ORGANIZING COMMITTEE

PATRON

Prof. Sivaji Bandopadhyay, Director, NIT Silchar

CHAIRMAN

Prof. P.S.Choudhury, HOD, CE Dept., NIT Silchar

CONVENOR

Prof. A.K. Barbhuiya, Registrar, NIT Silchar

COORDINATORS

Dr. Susmita Ghosh
Dr. P.J. Roy
Dr. Prashanth J.

FACULTY MEMBERS

Prof. Dibakar Chakraborty
Prof Ashim Kanti Dey
Prof. U Kumar
Dr. Dillip Kumar Ghose
Dr. Briti Sundar Sil

STUDENT MEMBERS

Mr.Mrinal
Mr. Parthajit

One Week Workshop

on

Integrated Soil Water modeling

(ISWM - 2019)

(Under TEQIP – III)

April 8 - 12, 2019

Venue: Seminar Hall, CE Dept., NIT Silchar

Coordinators

**Dr. Susmita, Dr. P.J. Roy, Dr.
Prashanth J.**



Organized by

**Civil Engineering Department
National Institute of Technology Silchar
(An Institute of National Importance)
Assam – 788010, INDIA Website:
www.nits.ac.in**

ABOUT THE INSTITUTE

National Institute of Technology, Silchar is one of the thirty National Institutes of Technology of India and was established in 1967 as a Regional Engineering College in Assam. In 2002 it was upgraded to the status of National Institute of Technology and was declared as Institute of National Importance under the National Institutes of Technology Act, 2007. The climate of Silchar during April is partially rainy with normal temperature around 32°C. NIT Silchar is a fully residential institution with ten hostels for boys, three hostels for girls and one for married scholar. It has six engineering degree offering branches and five non-engineering branches. It conducts various programmes, including organizing the workshops, seminars, conferences, invited talks etc. in collaboration with different academic departments, institutes and reputed multinational and national industries.

REGISTRATION

Internal Students: Rs. 500/-
External Students: Rs. 1000/-
Internal Faculty members: Rs.1000/-
External Faculty members: Rs.3000/-
Industry Persons: Rs. 5000/-

The registration fee includes registration kit and lunch. All participants have to pay the registration fees before submitting application either (i) via DD in favour of Director NIT Silchar, Payable at State Bank of India, NIT Silchar branch or (ii) online transfer to the account of the Director, NIT Silchar (SBI NIT Silchar A/C Number: 10521277057, IFSC Code: SBIN0007061). Brochure and registration form can also be downloaded from: <http://www.nits.ac.in/>
Registration form along with D.D are to be sent to the mail id: iswm2019@gmail.com on or before 07.04.2019.

The original hard copies of registration form and D.D. has to be submitted at the registration desk, just before the commencement of the workshop.

ELIGIBILITY CRITERIA

This program is open to industrial personnel, faculty members, research scholars, post graduate and under graduate students of technical institutions, engineering colleges, polytechnics, universities and other recognized institutions.

HOW TO REACH NIT SILCHAR

There are daily flights from Kolkata, Guwahati. Taxis are available from Airport to NIT Silchar. Silchar is also well connected by road and train.

ACCOMMODATION

Lodging and boarding for all selected external participants will be provided as per standard norms in the NIT Silchar guest house or scholars hostel on sharing basis.

TRAVEL

No TA/ DA will be provided to the participant

ADDRESS FOR COMMUNICATION

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REGISTRATION FORM :: ISWM-2019

1. Name (block letters):
2. Designation:
3. Organization:
4. Address for communication:

Contact No. (Phone/Mobile):
E-mail:

5. Highest Academic Qualification:
6. Accommodation (Tick): Yes / No
7. Registration Fee detail:

DD No.: _____ Date: _____

Bank: _____

Date: _____ Signature of the applicant

Place: _____

Recommendation of HOD: _____