



## MIKE HYDRO RIVER

### Introduction to river and channel modelling

This three-day, hands-on course gives you an introduction to MIKE HYDRO River and its capabilities for modelling of river systems. The aim is to enable you to create, edit and run basic river models and to analyse and present the simulation results.

MIKE HYDRO River is our new generation river modelling system and the successor to MIKE 11 - one of the most commonly applied 1D river modelling packages throughout the world. MIKE HYDRO River is a highly efficient modelling tool for the detailed design, management and operation of both simple and complex river and channel systems.

MIKE HYDRO River is used in a wide range of river related application areas such as flooding, flood forecasting and flood management, water quality, dam break analysis, structure operations, salinity intrusion and sediment transport in rivers, canals, wetlands and other water bodies. The wide range of add-on modules allows you to build your own personal river modelling tool box.

#### COURSE TOPICS

- Introduction to MIKE HYDRO (River module and other add-ons)
- Introduction and theoretical background to 1D hydrodynamic river modelling
- Understanding data requirements for optimal model set up and application
- The MIKE Zero Project Explorer
- Building river models in MIKE HYDRO River
- Running simulations
- Understanding and presenting simulation results
- Introduction to modelling of basic hydraulic structures
- Model stability and calibration
- Hands-on exercises

#### TARGET GROUP AND PREREQUISITES

Professionals who are interested in obtaining a general understanding of river modelling with MIKE HYDRO River and learn about its capabilities to set up and run river models. Additionally, existing MIKE 11 users who would like an introduction to MIKE HYDRO River - the successor to MIKE 11.

This course or corresponding knowledge is required in order to participate in our other courses 'MIKE HYDRO River - Advanced hydrodynamic modelling', 'MIKE FLOOD - River flood modelling', 'MIKE FLOOD - Integrated pipes, channels and surface modelling' and 'Flood modelling with Flexible Mesh (FM) - Take your flood modelling a step further'.

#### DATE AND TIME

17-19 January; and 11- 13 July, 2018  
Courses start at 09:30 and finish at 17:30.

#### LOCATION AND VENUE

DHI India, 206, Ground Floor, Okhla Industrial Estate, Phase-III  
New Delhi - 110020

#### FEES AND DISCOUNTS

Standard price: INR 13500

Discounts:

- 10% for early bird registration before 1st January 2018
  - 50% for students
  - Multiple participants from an organisation are eligible for specific discounts
- GST @ 18% extra

#### THIS IS INCLUDED

- Training material
- Lunch and refreshments
- Training Certificate

#### THIS IS NOT INCLUDED

- Participants are expected to bring their own laptops with required specifications
- Accommodation for participants

#### LANGUAGE

Lectures and training material are in English.

#### REGISTRATION AND CONTACT

Deadline for registration is 12 January 2018 and 02 July 2018 respectively. A minimum of trainees is required for the courses to proceed. DHI reserves the right to reschedule the training courses up to 1 week prior to the course date scheduled.

Ankita Biswas

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## RELATED COURSES

- MIKE HYDRO River - Advanced hydrodynamic modelling
- MIKE FLOOD - River flood modelling
- MIKE FLOOD - Integrated pipes, channels and surface modelling
- MIKE HYDRO RR - Rainfall - Runoff modelling
- MIKE SHE - Integrated catchment modelling
- WATER RESOURCES AND CLIMATE CHANGE - Impact and adaptation studies
- INTEGRATED WATER RESOURCES MANAGEMENT (IWRM) - A policy framework for the application of planning and management tools
- INTEGRATED CATCHMENT MANAGEMENT - Hydrology, management and decision making in a catchment with competing uses
- REMOTE SENSING - Get the full picture using satellite images!
- FLOOD FORECASTING AND EARLY WARNING - Introduction to real-time forecasting systems using MIKE OPERATIONS
- FLOOD FORECASTING AND EARLY WARNING - Configuring real-time forecasting systems using MIKE OPERATIONS
- WATER RESOURCES INFORMATION MANAGEMENT - Introduction to Information Management using MIKE OPERATIONS



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[www.theacademybydhi.com/courses-and-events-calendar](http://www.theacademybydhi.com/courses-and-events-calendar)

## INSTRUCTOR

### RAJESH KUMAR MAHANA

Mr. Rajesh Kumar Mahana has more than 9 years of professional experience in water resources engineering with different types of hydrologic and hydraulic design & modelling, river basin management, data analysis, reservoir numerical modelling, flood modelling etc. Over the years, he has successfully executed many consultancy projects related to reservoir sedimentation, flood protection design and modelling, river morphology study with numerical modelling, water availability study, area drainage study, data analysis etc. He is well versed with different software like MIKE HYDRO River, MIKE 11 (HD & ST), MIKE 21C, MIKE FLOOD.

M Tech, Water Resources Development and Management, Indian Institute of Technology, Kharagpur

## THE ACADEMY BY DHI

THE ACADEMY offers a palette of courses and capacity building packages designed to fit your needs and challenges. We offer standard and/or tailored training - face-2-face as well as online.

**MIKE Powered by DHI** courses focus on practical skills, hands-on exercises and teaching you how to get the most out of your software. These courses also enable you to understand the power of the MIKE tools for building decision support systems.

**Thematic courses** allow you to apply concepts, applications and decision support principles to the entire business process within current areas: aquaculture and agriculture, energy, climate change, flooding, coast and marine, surface and groundwater, urban water, industry, environment and ecosystems, product safety and environmental risk, etc.

**Our trainers** are experienced professionals, many of whom are recognised international experts in their fields. The use of highly skilled trainers guarantees the quality of THE ACADEMY courses.

Learn more about THE ACADEMY on [www.theacademybydhi.com](http://www.theacademybydhi.com)

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