



DHI Australia Training Week Brisbane 22-26 March 2010

DHI is a global organisation dedicated to the development and practical application of knowledge and technology related to water, environment and health. Our leading MIKE products are used by professionals worldwide and backed by 800 experts in DHI offices in more than 20 countries.

The MIKE by DHI Training Weeks have been designed to assist your company or organisation to maximise productivity. The courses introduce new users to MIKE by DHI software and provide an opportunity for existing and even experienced users to upgrade their skills. Learn practical methods for problem solving, using state-of-the-art technology based on DHI's 30 years of advanced research and development.

DHI's leading edge MIKE by DHI water modeling software and solutions software are the global industry standard for urban water, marine and water resource management.

TRACK 1 WATER RESOURCES

MIKE11

Introduction to River and Channel Modeling
(2 days)

The 2-day course supplies professionals such as water resources engineers who are new or potentially interested users of the MIKE 11 modelling system with an introduction to the potentialities and capabilities of MIKE 11. The aim is to enable the participants to apply the basic functions of MIKE 11 such as setting up simple models and evaluate their results.

MIKE11

Advanced Hydrodynamic Modeling
(2 days)

This 2-day course focuses on users who are already familiar with the basic concepts of MIKE 11 or other hydrodynamic models, and want to master more complex MIKE 11 simulation projects. It is a natural extension to the introductory level course. The training aims at giving the participant thorough insight in modelling complex river, canal and reservoir systems.

MIKE FLOOD

Integrated 1D and 2D River Flood Modeling
(2 days)

This 2-day course aims at enabling the trainees to develop a 2D overland flow model followed by a coupling of the 1D river model (MIKE 11) and 2D overland flow model (MIKE 21) components to simulate the fully integrated flow dynamics between main rivers and surrounding flood plain areas. A number of exercises prepare the participant for real-world applications. It is a prerequisite that participants are acquainted with the functionalities and operations of MIKE 11 HD prior to the course.

TRACK 2 WATER RESOURCES

FEFLOW

Groundwater Modeling
(3 days)

This 3 days' intensive course provides an introduction to groundwater modelling using FEFLOW. On the basis of a case study you will build a three-dimensional flow and transport model applying the most important program functions, including pre-processing, simulation and result evaluation. The course is aimed at groundwater professionals in consulting, research and public authorities. Participants are expected to have a basic knowledge in computer application as well as in groundwater modelling.

MIKE SHE

Integrated Watershed Modeling
(3 days)

In this 3-day course, you will learn about the processes and linkages in integrated catchment modelling. Using MIKE SHE, you will gain first-hand experience in integrated watershed modelling. The course is aimed at professional modellers and managers who want to enhance their groundwater or surface water modelling experience to include all processes in the hydrologic cycle. The course is also aimed at new users of MIKE SHE who want to quickly and efficiently get up to speed on integrated catchment modelling.

TRACK 3 URBAN

MIKE URBAN CS

Introduction to Data Management and Modeling of Stormwater and Wastewater Collection Systems
(2 days)

This 2-day course gives beginners and potential users of MIKE URBAN CS an introduction to the potentials and capabilities of the MIKE URBAN CS modelling system. The course aims at enabling the participants to perform the basics functions of MIKE URBAN CS. A number of exercises prepare the participant for real-world applications. Participants are expected to have a professional background in applied hydrology and hydraulics and/or sewer/urban storm drainage engineering.

MIKE URBAN WD

Introduction to Data Management and Modeling of Urban Water Distribution Networks
(2 days)

This 2-day course gives beginners and potential users of MIKE URBAN WD an introduction to the potentials and capabilities of the MIKE URBAN WD modelling system. The course aims at enabling the participants to perform the basic functions of MIKE URBAN WD. A number of exercises prepare the participant for real-world applications. Participants are expected to have a professional background in applied hydraulics and/or water distribution.

MIKE FLOOD

Integrated 1D and 2D Urban Flood Modeling
(2 days)

The course aims at enabling the attendees to develop a 2D overland flow model followed by coupling of the 1D urban drainage model (MIKE URBAN) and 2D overland flow model (MIKE 21) to simulate the fully integrated flow dynamics between sewage/storm water systems and surface areas. This 2-day course is designed for professionals such as modelling practitioners, engineers and professionals involved in flood management, flood risk assessment and other flood related studies including flood plain dynamics. Priority will be given to participants who are acquainted with the functionalities and operations of MIKE URBAN (or MOUSE) prior to the course.



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TRACK 4 MARINE

MIKE21 FM Introduction to Hydrodynamic Modeling (1 day)

This 1-day course gives beginners and potential users of MIKE 21 and MIKE 3 an introduction to the basics of flow modelling using models in 2D and 3D. The basic concepts in hydraulic modelling are introduced and processes and factors that are decisive for when to apply a 3D approach are discussed. This includes a review of the following questions: Which model will solve your problem? How long will it take? What is the best model set-up? What are the result presentation possibilities?

MIKE21 SW Spectral Wave Modeling (2 day)

This 2-day course provides a practical introduction to wave modelling using the MIKE Spectral Wave model. The course will help participants to predict and analyse wave climates in offshore and coastal areas. The course is intended for professionals in offshore and coastal engineering. It is required that the participants have a basic knowledge of wave hydrodynamics. An introductory knowledge of MIKE 21 is desirable, but not required.

MIKE21 BW Wave Disturbance Modeling in Ports (2 days)

This 2-day course provides, through lectures, case stories and hands-on exercises, an introduction to wave disturbance modelling in ports and by structures using the MIKE Boussinesq Wave model. The course will help you predict and analyse wave conditions in ports and behind structures where accurate assessment of wave impact is of utmost importance.

The course is intended for professionals in port engineering. It is required that the participants have a basic knowledge of wave hydrodynamics, and an introductory knowledge of MIKE 21 is desirable, but not required.

MIKE21 Transport Models Introduction to Transport Modeling (1 day)

This 1-day course provides an introduction to the basics of transport modelling using models in 2D and 3D. The basic concepts in transport modelling are introduced. Processes and factors that are important in determining which transport model to use and selection between 2- and 3-dimensional modelling are discussed. Flow, wave and transport models in 2D and 3D are combined to illustrate the use within coastal engineering and morphology as well as environmental applications. Accordingly, the course covers introduction to the Transport model (TR), the Sand Transport model (ST), the Mud Transport model (MT) and the Particle Tracking model (PT).

TRACK 5 MARINE

MIKE3 FM Introduction to Hydrodynamic Modeling (1 day)

This 1-day course gives beginners and potential users of MIKE 21 and MIKE 3 an introduction to the basics of flow modelling using models in 2D and 3D. The basic concepts in hydraulic modelling are introduced and processes and factors that are decisive for when to apply a 3D approach are discussed. This includes a review of the following questions: Which model will solve your problem? How long will it take? What is the best model set-up? What are the result presentation possibilities?

MIKE 21 & MIKE 3 ECO Lab 2D and 3D Water Quality and Ecological Modeling (3 days)

This 3-day course teaches the participant in the fundamentals of ecological modelling and gives you an introduction how to develop your own ecosystem models using ECO Lab and integrate this to a MIKE hydraulic model. Application examples using predefined ecosystem descriptions (DHI supported ECO Lab templates) of water quality are also examined. The course provides the participant with a good basis for using ECO Lab to obtain accurate spatial predictions of aquatic ecosystem response. The course is intended for professionals in environmental engineering and management in the public or private sector working with inland water bodies or coastal areas. The participants should have a background in applied water quality aspects and/or biology

LITPACK Modeling Long Shore Sediment Transport and Coastline Evolution (2 days)

This 2-day course is intended for professionals in areas of coastal zone management and planning. Participants should preferably have a background in sediment transport investigations and a good understanding of the coastal processes. The participants learn how to set up simulations with LITDRIFT and LITLINE along quasi-uniform straight coastlines. Furthermore, a short introduction of the modules LITSTP, LITTREN and LITPROF are included.

Please fill out the registration form on the next page

For further information or a full list of courses available please contact **Software Support**
✉ software.aus@dhigroup.com or ☎ +61 1300 655 592

Send your registration to above email or fax to +61 7 5564 0946
Alternatively visit our website **www.dhigroup.com.au** for full course details

Registration for DHI Australia Training Week - Brisbane 22-26 March 2010

Please register each participant seperately

First Name		Course fees (AUD incl. GST)
Last Name		1 day \$ 1,320.00
Organisation		2 days \$ 2,310.00
Street/Po Box		3 days \$ 2,970.00
City, State, Zipcode		4 days \$ 3,300.00
Country		5 days \$ 3,630.00
Phone		Discounts
E-mail		5% for Early Bird registration
		10% for current Service Maintenance Agreement (SMA) on any MIKE products
		15% for current SMA and Early Bird
		25% for third and subsequent participants

Please register me for the following courses (tick the boxes):

TRACK 1 WATER RESOURCES

- MIKE11** Introduction to River and Channel Modeling (2 days)
- MIKE11** Advanced Hydrodynamic Modeling (2 days)
- MIKE FLOOD** Integrated 1D and 2D River Flood Modeling (2 days)

TRACK 2 WATER RESOURCES

- FEFLOW** Groundwater Modeling (3 days)
- MIKE SHE** Integrated Watershed Modeling (3 days)

TRACK 3 URBAN

- MIKE URBAN CS** Introduction to Data Management and Modeling of Stormwater and Wastewater Collection Systems (2 days)
- MIKE URBAN WD** Introduction to Data Management and Modeling of Urban Water Distribution Networks (2 days)
- MIKE FLOOD** Integrated 1D and 2D Urban Flood Modeling (2 days)

TRACK 4 MARINE

- MIKE21 FM** Introduction to Hydrodynamic Modeling (1 day)
- MIKE21 SW** Spectral Wave Modeling (2 day)
- MIKE21 BW** Wave Disturbance Modeling in Ports (2 days)
- MIKE21 Transport Models** Introduction to Transport Modeling (1 day)

TRACK 5 MARINE

- MIKE3 FM** Introduction to Hydrodynamic Modeling (1 day)
- MIKE 21 & MIKE 3 ECO Lab** 2D and 3D Water Quality and Ecological Modeling (3 days)
- LITPACK** Modeling Long Shore Sediment Transport and Coastline Evolution (2 days)

Yes, I agree to be invoiced for the courses selected above.

Yes, I agree to the Terms and Conditions below. Signature _____ Date _____

Terms and Conditions

A minimum number of attendees are required for courses to proceed. DHI reserves the right to reschedule training courses up to two weeks prior to the scheduled course date. Registered participants who are unable to attend the course enrolled for will have their paid fees refunded less a processing fee of AUD\$200. Written notice of non-attendance must be sent by letter, fax or email and received no later than 2 weeks before the start of the course. If cancellation is made after this date, no refunds will be available. All refunds will be processed after the Course. Replacement of participants is permitted with written notice to DHI at PO Box 626, Broadway NSW 2007.