

COURSES AND EVENTS CALENDAR 2017

SINGAPORE

COAST & MARINE, FLOODING, URBAN WATER, SURFACE & GROUNDWATER,
ENVIRONMENT & ECOSYSTEMS, PRODUCT SAFETY & ENVIRONMENTAL RISK

BUILDING EXPERTISE





COURSE AND EVENTS CALENDAR 2017

FOCUS AREA	TITLE	DATES
ENVIRONMENTAL IMPACT ASSESSEMENT (EIA)	How to perform an EIA in both terrestrial and marine areas	16-17 February
MODELLING OF STORM WATER FOR GREEN CITIES	Methods and structures	14- 15 March
WEST	Introduction to the modelling of wastewater treatment plants	12-13 April
MIKE 21/3 ECOLAB	2D and 3D water quality and ecological modelling	17-18 May
ABM LAB	Agent based modelling	6 June
MIKE 21 ST FM AND MIKE 21/3 MT FM	Sediment transport using sand (2D) and mud (2D/3D) modelling	22 June
DYNAMIC ANALYSIS OF MOORED VESSELS	Using MIKE 21 Mooring Analysis (MA)	19-20 July
MORPHODYNAMIC SHORELINE MODELLING	Steps in completing morphodynamic shoreline studies	19 Sep
GEOSPATIAL FOR EIA PROJECTS	Understanding use of Geographic Information Systems (GIS) as an enabling tool in EIA projects	21 - 22 Nov
SCREENING OF URBAN FLOOD RISK	Cost-effective mapping of urban flood risk using MIKE 21 Flood Screening Tool (FST)	5 December

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Training Course Flashes

<p>ENVIRONMENTAL IMPACT ASSESSMENT (EIA) How to perform an EIA</p>	<p>This two-day, thematic course gives you an overview of the EIA-process and how to carry out an EIA. This course is cross cutting for all infrastructure and resources projects. RIAM software package (Rapid Impact Assessment Matrix) is introduced as a support tool for carrying out an EIA.</p>	<ul style="list-style-type: none"> • Fundamentals of EIA • EIAs, standards and legislation • Pitfalls • Learning the steps of EIA • Introduction to the RIAM package
<p>MODELLING OF STORM WATER FOR GREEN CITIES Methods and structures</p>	<p>This two—day course gives you an introduction to different approaches to the modelling of various types of green infrastructure in MIKE URBAN and their effect on different types of storm events. Modelling of storm water quality is also included.</p>	<ul style="list-style-type: none"> • Modelling of green solutions • Modelling the different elements of a green infrastructure • Developments in urban storm water modelling with MIKE URBAN • How to couple the green solutions with an existing drainage network • Storm water quality and the modelling thereof • Applying treatment water quality measures to various types of green infrastructure
<p>WEST Introduction to the modelling of wastewater treatment plants</p>	<p>This two-day course gives you an overview of the aspects to be addressed when modelling biological wastewater treatment plants. Training in the WEST wastewater treatment plant (WWTP) modelling and simulation software is included.</p>	<ul style="list-style-type: none"> • The WEST GUI • Introducing plant layouts • Dynamic simulation • Objective evaluation
<p>MIKE 21/3 ECO LAB 2D and 3D water quality and ecological modelling</p>	<p>This two-day course teaches you the fundamentals of ecological modelling and gives you an introduction on how to develop an ecological, process oriented model using either MIKE 21 or MIKE 3 ECO Lab (classic or FM series).</p>	<ul style="list-style-type: none"> • Fundamentals of ecological modelling • Introduction to existing ECO Lab templates • How to set up the MIKE 21/3 ECO Lab FM model • Model calibration and validation • Interpretation of results
<p>ABM LAB Agent based modelling</p>	<p>This one-day course gives you an introduction to AMB ('Agent Based Modelling') Lab and how to set up simple agent based models in the MIKE FM modelling complex.</p>	<ul style="list-style-type: none"> • Introduction to general features/techniques for agent/individual based models • Agent/Individual based modelling with ECO Lab • Available functionality • Setting up simple agent based models in ECO Lab and MIKE 21 FM
<p>MIKE 21 ST FM AND MIKE 21/3 MT FM Sediment transport using sand (2D) and mud (2D/3D) modelling</p>	<p>This one-day course aims to enable you to set up and run sediment modelling simulations using the MIKE 21 FM Sand Transport and Mud Transport models in a coupled setup with flow and wave models. When to apply a 3D approach is also discussed.</p>	<ul style="list-style-type: none"> • Fundamentals of fine sediment and sand transport modelling • Application of MIKE 21 ST FM and MIKE 21/3 MT FM • Setting up wave and flow conditions • Specifying sand properties, particles and sediments
<p>MORPHODYNAMIC SHORELINE MODELLING Steps in completing morphodynamic shoreline studies</p>	<p>This modular, instructor led, online course gives you a sound understanding of the steps required for you to undertake and complete a successful morphodynamic coastal study. The course is divided up into 4 consecutive modules each of 120 minutes.</p>	<ul style="list-style-type: none"> • Module 1 - Coastal zone processes and infrastructure • Module 2 - Field measurements and remote sensing • Module 3 - Numerical modelling tools • Module 4 - Decision making
<p>GEOSPATIAL FOR EIA PROJECTS Understanding use of Geographic Information Systems (GIS) as an enabling tool in EIA projects</p>	<p>This two-day course aims to provide you with an understanding of how GIS is an enabling tool for EIA projects. The course will comprise a mix on fundamentals and hands-on.</p>	<ul style="list-style-type: none"> • GIS fundamentals • Facilitating systems thinking • Facilitating better understanding • Integration and basic processing of geographic-based information • Case studies, where you use MIKE and GIS software to apply GIS in spatial planning and assessment
<p>SCREENING OF URBAN FLOOD RISK Cost-effective mapping of urban flood risk using MIKE 21 Flood Screening Tool (FST)</p>	<p>In this one-day course you will learn to apply a methodology (using MIKE 21 FST) by which only the surface runoff of the excess part of the rainfall volume is modelled. This enables you to map large geographic areas with limited time and effort.</p>	<ul style="list-style-type: none"> • Overview of pluvial flood modelling tools and techniques - advantages and disadvantages • Processing and preparation of digital elevation model (DEM) • Mapping flood risks, values and economic costs related to flooding • Strategies to manage surface runoff within existing and planned developments



Every year thousands of water professionals all over the world attend THE ACADEMY by DHI courses and events. THE ACADEMY courses are available both as standard as well as tailored courses designed according to your specific requests and based upon your own data.

THE ACADEMY by DHI offers an umbrella of standard and tailored training courses of various duration and targeting different levels of water professionals, including managers/ decision makers, mid-level professionals and technicians.

MIKE Powered by DHI courses

Our MIKE 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

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

Trainers

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

Tailored courses

Our tailored courses are designed specifically according to your needs and given at the time and location of your choice (in-house at your company, at our office or elsewhere). The content can be a near copy paste of an existing course - or a complete tailored training based upon your own data and designed according to your specific needs.

Should the public enrolment course of your interest not be on the list in our Course Schedule for 2017, please feel free to contact us. Thus we can arrange for future courses, including thematic courses, or do a one-to-one course at your office!

Online courses & training seminars

Don't have time to travel? Would like to expand your horizon and learn more? Join us for our online courses and training seminars! Read more about our online activities [here](#)

THE ACADEMY by DHI offers a palette of training courses and capacity building packages in the field of water as well as in chemicals regulation and toxicology. Please consult our website for the complete listing as well as latest updates of our Courses & Events Calendar: www.theacademybydhi.com

Dates and location

Our scheduled courses are held either at the DHI Office or at easily accessible training locations.

Computers

A number of courses require computers. All participants are asked to bring their own lap tops.

Language

The course language is English. All training material is provided in English.

Course fees (per person)

- 1 day SGD 675 + GST
- 2 days: SGD 1,075 + GST
- 3 days: SGD 1,625 + GST

Discounts

- 10 % if valid Service Maintenance Agreement (SMA)
- 25% for the 3rd and subsequent participants from same organisation.

Note: Only possible to make use of 1 offer of discount - discounts cannot be accumulated.

What is included?

Course fees include training material, training certificates, lunch and refreshments.

Registration

Deadline for registration is three weeks before commencement of course. A minimum of participants is required for courses to proceed. DHI reserves the right to reschedule courses up to one week prior to the commencement of a course.

You can register through our website

<http://worldwide.dhigroup.com/sg> or contact us at mike.sg@dhigroup.com

Further information

Further information about additional software courses, thematic or tailored training please contact us at mike.sg@dhigroup.com. If in doubt about content of training you can always rely on our trainers to advise you on which training scheme to adopt to meet your preferences and needs.

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