



## FEFLOW

### Advanced groundwater modelling

This two-day, hands-on course aims at providing you with the skills for advanced modelling topics. Depending on the needs of the group of participants, a selection of the below topics is offered.

FEFLOW is widely recognised as a comprehensive software package for subsurface flow and transport simulation. FEFLOW's unique mesh capabilities (structured and unstructured) allows you the highest degree of flexibility to account in detail from the most simple to complex geometrical configurations. The software is used by leading research institutes, universities, consulting firms and government organisations all over the world.

FEFLOW's scope of application ranges from simple local-scale to complex large-scale modelling. Application areas include water management, mine water, saltwater intrusion, geothermal energy, and variably saturated media.

#### COURSE TOPICS

- Unsaturated-flow modelling
- Density-dependent flow modelling
- Heat transport modelling, geothermal energy systems and closed/open systems
- Fractures and discrete features
- Multi-component transport and chemical reactions
- Introduction to the FEFLOW programming and Python scripting
- Introduction to automatic model calibration with FePEST
- Hands-on exercises

#### TARGET GROUP AND PREREQUISITES

Groundwater professionals working in consulting companies, public authorities, university and research institutions. You must be acquainted with the basic functionalities of the latest FEFLOW version prior to this course, either through experience or through participation in the FEFLOW course 'Introduction to groundwater modelling'.

#### DATE AND TIME

17 - 18 Oct 2019.  
Course starts at 09:00 and finishes at 17:00.

#### LOCATION AND VENUE

Budapest

#### FEES AND DISCOUNTS

Standard price: € 1 400.00 + VAT

Discounts:

- 10% with valid Service Maintenance Agreement

#### THIS IS INCLUDED

- Training material
- Training Certificate

#### NOT INCLUDED

Computers for hands-on exercises are not included. Participants must bring their own computers.

#### LANGUAGE

Lectures and training material are in English.

#### REGISTRATION

Deadline for registration is 27 Sept (ie 3 weeks before course start). A minimum number of trainees is 6 person. DHI reserves the right to reschedule the training course up to 3 weeks prior to the published course date scheduled.

#### CONTACT

Evelin Szabó  
+36 1 789 1645 Telephone  
eve@dhigroup.com

## RELATED COURSES

- FEFLOW - Introduction to groundwater modelling - 26-27 February 2019, Budapest
- FEFLOW - Numerical modelling for geothermal installations - 14-15 October 2019, Budapest
- III. Hungarian FEFLOW user day (free event) - 16 October 2019, Budapest

## INSTRUCTOR

### CARLOS A. RIVERA VILLARREYES

Dr. Carlos Rivera works as the Director Sales Service and Support at DHI WASY, Germany. Within his activities, he leads the FEFLOW user support team. Dr. Rivera has trained professionals around the world in different groundwater modelling topics in English and Spanish. Dr. Rivera has profound knowledge of groundwater and unsaturated-zone modelling as well as parameter estimation (model calibration, e.g., with PEST).



Dipl.-Ing. (FH), Civil Engineering, University of Piura, Peru

MSc, Desert Studies - Water Resources Management, Ben-Gurion University, Israel

PhD, Hydrology, University of Potsdam, Germany



Visit our courses & events calendar for more courses:

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

## 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)

### DHI Hungary Kft.

V95 office building  
Váci út 95  
1139 Budapest  
Hungary

(+36) 1 789 1645 Telefon  
(+36) 1 799 8234 Telefax

[office@dhi.hu](mailto:office@dhi.hu)

<http://worldwide.dhigroup.com/hu>