

# FEFLOW 2015 CONFERENCE

21-23  
SEPT

TECHNICAL SESSIONS

24-25  
SEPT

TOPICAL WORKSHOPS



## MODELLING THE WORLD OF GROUNDWATER WITH MIKE BY DHI

Building on the huge success of the previous FEFLOW conferences, FEFLOW 2015 will feature numerous opportunities for business networking, exchanging ideas and further improving your modelling skills.

Highlights include:

- keynote presentations of trends and latest ideas in numerical groundwater modelling
- presentations showcasing solutions for challenging problems related to groundwater
- poster session
- product updates and previews on upcoming releases
- opportunities to meet with the FEFLOW staff
- preconference field trip 'Open-pit lignite mining in Lusatia'
- software demonstrations
- training courses and workshops

We hope to meet you for another memorable event in Berlin!

The FEFLOW 2015 Organising Committee



### KEY DATES

- Abstract submission: 28 Feb. 2015
- Abstract acceptance: 31 Mar. 2015
- Paper submission: 31 Jul. 2015
- Field trip: 20 Sep. 2015
- Conference: 21-23 Sep. 2015
- Topical workshops: 24-25 Sep. 2015

### LOCATION AND VENUE

Penta-Hotel Berlin-Köpenick,  
Grünauer Straße 1,  
12557 Berlin, Germany



### CONTACT AND REGISTRATION

Registration can happen at  
[mikebydhi.de@dhigroup.com](mailto:mikebydhi.de@dhigroup.com)

For more information, please contact:  
[feflow2015@dhigroup.com](mailto:feflow2015@dhigroup.com)

## YOUR CONTRIBUTION IS IMPORTANT! CALL FOR PAPERS

Share your experiences with us!  
Submit your abstract by email to  
[feflow2015@dhigroup.com](mailto:feflow2015@dhigroup.com) by  
28 February 2015.

Your submission must:

- be in text or Word format
- be within 300 words
- include author/affiliation information
- specify whether an oral or poster presentation is preferred.

Presenters must register before  
30 April 2015.

Presented papers will be featured in both conference print (abstract) and digital (full paper) material.

This year, in addition to papers focusing on FEFLOW applications, we especially welcome submissions related to neighbouring fields, such as integrated GW/SW modelling, surface water and slope-stability calculation, urban hydrology, and so on.

Once again there will be **awards** for the best oral and poster presentations!

## CONFERENCE PROGRAMME (PRELIMINARY)

- |              |  |
|--------------|--|
| 20<br>SEP    | • Field trip: open-pit lignite mining in Lusatia                   |
| 21<br>SEP    | • Keynotes and topical sessions<br>• Poster session                |
| 22<br>SEP    | • Keynotes and topical sessions<br>• Conference dinner (boat trip) |
| 23<br>SEP    | • Keynotes and topical sessions<br>• FEFLOW - News & Views         |
| 24-25<br>SEP | • Topical workshops  |

## MORE INFORMATION ABOUT FEFLOW 2015

### CONFERENCE TOPICS

#### Groundwater management

Regional flow, water allocation, well-head protection, capture-zones

#### Mine-water management

Dewatering, flooding, tailings dams, re-injection, solution mining

#### Contaminant transport

Remediation, risk assessment, (reactive) multispecies simulation,

#### Geothermics

Open-loop systems, closed-loop systems, ATEs, deep geothermics, geothermal use of mine voids

#### Porous-media modelling

Unsaturated flow, industrial material development

#### Density-dependent flow

Saltwater intrusion, brine injection, upconing

#### Methods and technology

User interfaces, 3D graphics, FEM, solvers, parallel computing, technical optimization, calibration and parameter estimation, uncertainty analysis

#### Model coupling

Development, application, calibration/validation, linking with MIKE software

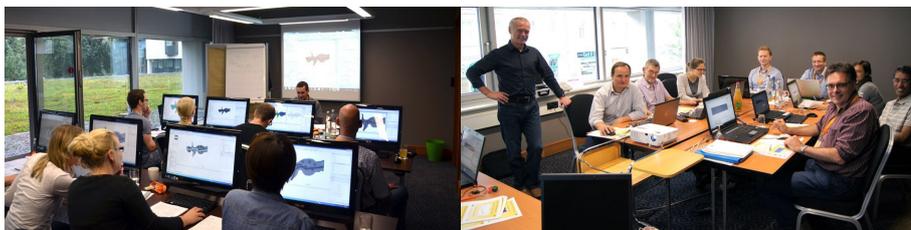
#### Neighbouring fields with GW-relation

Catchment-scale integrated models, surface-water models, stress and slope-stability calculation, heating/cooling simulation for buildings, subsidence, urban hydrology

### EDUCATION AND TRAINING

Learn from the experts! The conference will feature numerous education and training opportunities, ranging from half-day topical workshops to full software application courses. The topics include:

- groundwater modelling with FEFLOW
- river modelling with MIKE 11 and MIKE 21 and linkages to FEFLOW
- integrated simulation with MIKE SHE
- mine dewatering
- capture zones & source protection
- PEST/FePEST
- FEFLOW GUI tricks
- geothermal modelling
- density-dependent simulation
- unsaturated flow
- reactive-transport modelling
- Python scripting and FEFLOW programming interface
- geological modelling, for example using Leapfrog Hydro
- and more



### SCIENTIFIC COMMITTEE

#### Tissa Illangasekare

Colorado School of Mines, USA

#### John Doherty

Watermark Numerical Computing, Australia

#### Philippe Renard

University of Neuchâtel, Switzerland

#### Craig Simmons

Flinders University, Australia

#### Danie Vermeulen

University of the Free State, South Africa

#### Hikari Fujii

Akita University, Japan

#### Rob Schincariol

University of Western Ontario, Canada

#### Michael Butts

DHI, Denmark

#### Hans-Jörg Diersch and Fabien Cornaton

DHI-WASY, Germany

### LOCATION



Older than Berlin itself and located between the arms of the rivers Dahme and Spree, Köpenick has

kept its small-town touch. At the same time the bustling Berlin city center is within easy reach via public transport.

Our conference venue – the Penta-Hotel Berlin-Köpenick – is situated directly at the banks of the river Dahme, with a view of the old town and Köpenick castle.

Accommodation is available at the venue itself, at the Best Western hotel right next door, or at any of the small hotels and guesthouses in the old town.

The branching network of rivers, lakes and channels in and around Köpenick provides a perfect setting for our dinner boat trip which will include a crossing of the Müggelsee – a lake that many of you may remember as the southern boundary condition of the FEFLOW Demonstration Exercise model.

### THE ACADEMY BY DHI

THE ACADEMY offers a palette of courses and capacity building packages designed to fit your needs and challenges. Our training courses are offered as standard and/or as tailored training.

**MIKE by DHI** courses focus on practical skills, hands-on exercises and on teaching you how to get the most out of your software.

**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, product safety & environmental risk, etc.

**MIKE CUSTOMISED by DHI courses** enable you to understand the power of the MIKE CUSTOMISED tools for building decision support systems.

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

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#### Organising committee

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