

Workshop Registration:

Please register early because the number of participants is limited. All presentations are in English language.

Registration fee (including lunch and coffee breaks): € 680 (US-\$ 850) per each two day workshop. Package of 2 workshops € 1200 (US-\$ 1500) / 3 workshops € 1600 (US-\$ 2000).

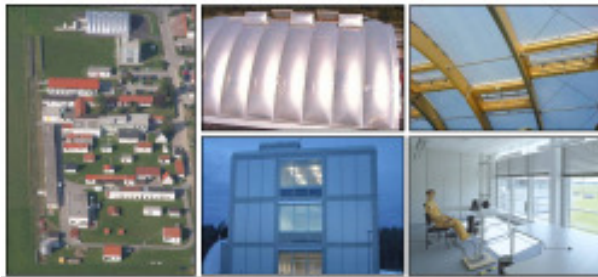
For more information and registration please go to:

<http://www.wufi.com>

North American participants please register with National Building Science Corp.:

<http://www.section08.com>

Fraunhofer IBP Holzkirchen



International WUFI® Partners



USA



Finland



France



South Korea



Norway



Japan



Pol. Łódźka

A.R. Kraków

Poland



New Zealand



Sweden

Fraunhofer IBP location

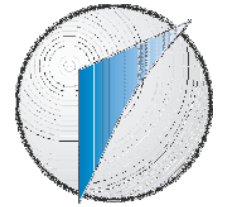


Fraunhoferstr. 10, 83626 Valley

Impressions

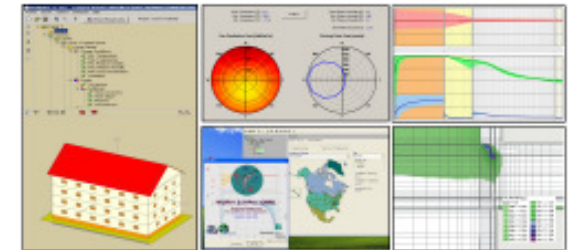


Editor: Dr.-Ing. H.M. Künzel



WUFI® Workshops 2009

Fraunhofer IBP
Holzkirchen, Germany



WUFI® Pro - 2D - Plus

Standard Course

December 3 and 4

Advanced Workshop

December 7 and 8

WUFI®-2D / WUFI®-Plus Course

December 9 and 10

WUFI® Standard Course

December 3 and 4, 2009

The aim of the Standard Course is to enable building professionals to use WUFI®-Pro for building design or consulting and to provide necessary hygrothermal background information. The 2-day program includes:

- Lectures on moisture control, fundamentals of heat and moisture transport, hygrothermal material properties, exterior and interior climate conditions.
- WUFI®-Pro hands on, a guided tour through the program from input to output
- Group exercise: different insulation measures for a rehabilitation project are evaluated by hygrothermal simulation and the results are interpreted
- Presentation of international standards and guidelines on moisture control and discussion of future perspectives

Everyday there will be lunch and coffee breaks including guided tours through the field test site and laboratories of the Fraunhofer IBP in Holzkirchen.

WUFI® Advanced Workshop

December 7 and 8, 2009

The Advanced Workshop is organized together with our partners from Oak Ridge National Laboratory (ORNL). It is reserved for experienced WUFI® users and those who have already attended a WUFI® course. It deals with advanced features of WUFI® Pro and special applications of hygrothermal simulations such as:

- Ventilation and convection modelled by sources and sinks
- Radiation exchange at the exterior surface and surface transfer
- Advanced hygrothermal material properties (PCM, aging, perforations, etc.)
- Result evaluation including post process models to assess the risk of mould growth and corrosion

Half a day is reserved for presentations by participants* who have applied and validated hygrothermal simulations in practice or research.

**) Participants who wish to do a presentation are asked to provide the title and approximate duration by the end of September 2009.*

WUFI®-2D / WUFI®-Plus Course

December 9 and 10, 2009

Respecting the limited time and different interests participants have a choice between two parallel courses.

2D simulations are required to evaluate the hygrothermal performance at thermal bridges, joints, foundations, corners etc. The **WUFI®-2D Course** includes hands on, project work and practical application cases as well as information on material anisotropy and differences with 1D simulations.

The **WUFI®-Plus Course** deals with the calculation of the indoor climate accounting for hygrothermal interactions between the building envelope and the interior spaces of a building, e.g. moisture buffering. The program can also be used as a simple tool for thermal building simulations. The course includes:

- Fundamentals, validation and application of WUFI®-Plus
- Hands on WUFI®-Plus and group exercise
- Indoor climate standards and guidelines