

**ADVANCED WUFI 1-D WORKSHOP
WUFI PRO COMPUTER MODELING WORKSHOP
FOR WALL DESIGN AND PERFORMANCE
(HEAT AND MOISTURE TRANSFER IN BUILDING ENVELOPES)
Napa, California March 15-16, 2018**



WUFI-ORNL¹ Program made available by the U.S Department of Energy



This symposium and workshop is co-sponsored by the U.S. Department of Energy (DOE) through Oak Ridge National Laboratory (ORNL) in collaboration with the Fraunhofer-Institut für Bauphysik (IBP) and co-sponsored by the National Institute of Building Sciences (NIBS)/ Building Enclosure Technology and Environment Council (BETEC), Owens Corning, and National Building Science Corporation (NBSC) of California. It is endorsed by the Building Enclosure Council (BEC) of Boston and the National BECs.



Enhance your skills and knowledge in the most powerful computer modeling program available, the industry standard for building envelope design and wall analysis for heat/moisture control. Prerequisite is previous WUFI® workshop or equivalent experience using WUFI®.



André Desjarlais of Oak Ridge National Laboratory and Dr. Achilles Karagiozis of Owens Corning lead this 2-day hands-on workshop to further develop your skills using WUFI Pro Version 6. On Friday, guest speaker Phil Dregger will have a 2-hour presentation on data and assumptions used in a recent legal case.

Agenda for Thursday 15 March 2018

- 8:00 Introductions and Discussion of Seminar Agenda
- 8:30 What Shall We Talk About (Group)
- 9:00 Overview of WUFI version 6 (Database Transfers)
- 10:00 What Weather File Do I Use (Research)
- 11:00 Open Discussion Q and A
- 12:00 Lunch
- 13:00 Introducing a Leak with ASHRAE Standard 160 (Research)
- 14:00 Interior conditions: how critical are they?
- 15:00 Entering your own material data
- 16:00 Including airflow in WUFI roof analyses
- 17:00 Adjournment

Agenda for Friday 16 March 2018 on next page

¹ WUFI = Wärme und Feuchte instationär ORNL = Oak Ridge National Laboratory

Agenda for Friday 16 March 2018

- 8:00 How Good is WUFI in Predicting Field Performance?
- 9:00 Commercial Construction Applications of WUFI-1D
- 10:00 Explaining the Past Is Not the Same As Predicting the Future (Philip Dregger)
- 12:00 Lunch
- 13:00 Using Numerous WUFI Special Features (Cylindrical Coordinates)
- 14:00 Durability assessment: Corrosion of steel with application & mold growth models
- 15:00 Solve your own problem
- 16:00 Open Discussion Q and A
- 17:00 Adjournment

WUFI® WORKSHOP REGISTRATIONS: You may register and pay online through this link:

<http://events.constantcontact.com/register/event?llr=lbqjbbab&oeidk=a07ef0q4nwo0d8e3d26>

Please note that if you pay via PayPal, you can use almost any credit card, and you do NOT need a PayPal account.

Registration will be cut off after 30 registrations.

Note: Workshop price is \$950.00. Lunches and breaks will be included.



WORKSHOP Location:

**Embassy Suites Napa Valley
1075 California Blvd.
Napa, CA 94559
(707) 253-9540**

www.EmbassySuitesNapaHotel.com

Hotel Reservations:

Reserve early for discounted room block rate \$179/night + tax. Ask for group WUFI or National Building Science. Must reserve before February 4. Bring your sweetie-pie to enjoy the wine country! Come early or stay late!

