

**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-ORNL<sup>1</sup> 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.**



Dr. Achilles Karagiozis and André Desjarlais lead this 2-day hands-on workshop to further develop your skills using WUFI Pro Version 6. **Prerequisite** is previous WUFI® workshop or equivalent experience using WUFI®.

**Highlights:**

- ✦ Advanced Fundamentals
- ✦ Interpretation of Results
- ✦ What material properties matter
- ✦ Modelling ventilated cladding
- ✦ Modelling mechanically attached roofs
- ✦ Impact of Climate data
- ✦ Update on interior loads
- ✦ Review of explicit radiation
- ✦ New climate data for moisture analysis (TRP 1325)
- ✦ Modeling of brick systems
- ✦ Temperature dependency of materials
- ✦ Sorption hysteresis analysis
- ✦ Case Studies (EIFs, wood deck roofs)

<sup>1</sup> WUFI = Wärme und Feuchte instationär ORNL = Oak Ridge National Laboratory

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

<http://events.constantcontact.com/register/event?llr=lbijqbbab&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](http://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!**

