

Achilles Karagiozis, Ph.D.
Oak Ridge National Laboratory

Contact Data:

Achilles Karagiozis, Ph.D.
Oak Ridge National Laboratory
P.O. Box 2008, Building 3147
Oak Ridge, TN 37831

Phone: 865-576-3924
Fax: 865-574-9354
Email: karagiozisan@ornl.gov



Achilles Karagiozis is a distinguished research and development engineer at the **Oak Ridge National Laboratory**. He is in charge of research performed at ORNL in heat, air and moisture performance of buildings. Dr. Karagiozis is one of the leading building scientists in North America. He has been performing building science research for the past 16 years, trained more than 600 professionals in moisture design, championed and assisted in the development of innovative material systems and concepts. Research activities have been concentrated in energy efficiency, healthy, durable and sustainable building designs, housing integration issues, wireless route sensing, whole building performance applications, heating, ventilating and air conditioning of buildings and hygrothermal performance of envelopes. He is the US representative for IEA Annex 41 that deals with Moisture in Buildings, and is actively involved in a number of ASTM E06 technical committees and ASHRAE TC 4.4, and SPC 160. Achilles has also developed three or four of the world's most advanced hygrothermal models worldwide (WUFI, MOISTURE-EXPERT, LATENITE and family). As an expert in the area of Moisture Engineering, he has solved many hygrothermal designs and retrofit challenges, and has developed multiple design guidelines for various envelope systems. Dr. Karagiozis is the author of more than 120 technical papers and reports related to moisture in buildings.