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Dr. Karagiozis is a Director of Building Science at Owens Corning and is responsible for leading, shaping, driving, educating and training others in energy efficiency and green building science at Owens Corning. His activities involve feeding Owens Corning's innovation pipeline with customer-inspired and building science-informed solutions. Previously, he was a distinguished research and development engineer at the Oak Ridge National Laboratory (ORNL). He was 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 20 years, trained more than 1000 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 still involved in the WUFI-ORNL development team working closely with ORNL and Fraunhofer Institute. He is the U.S. representative for IEA Annex 55 on Retrofit Analysis in Buildings, and is actively involved in a number of ASTM E06 technical committees and ASHRAE TC 4.4, and SPC 160. He has also developed three or four of the world's most advanced hygrothermal models worldwide (WUFI, MOISTUREEXPERT, LATENITE 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.