Call for Case Studies

June 4-5, 2018

School of the Art Institute of Chicago

Building Science & Preservation Workshop

APT would like to invite preservationists to submit case study proposals as part of the upcoming workshop June 4-5, 2018 in downtown Chicago. We expect to provide 4-6 case studies, and each presentation should be about 20 minutes. Case studies should show some use of building science in preservation—the topic of the workshop.

The workshop will be facilitated and led by building scientist William Rose.

If you'd like to be a presenter, and receive free admission to the workshop, please send a one-paragraph description of the project coordinator at administration@apti.org. Deadline for submission is May 21, 2018.

Workshop Details:

Please join us for two-intensive packed days of Building Science & Conservation workshop!

Monday & Tuesday, June 4-5, 2018
The Art Institute of Chicago
Chicago, IL

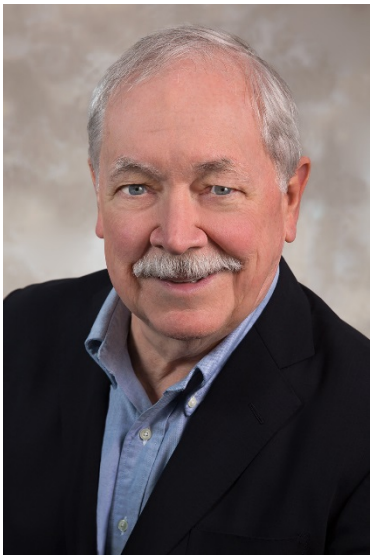
Join renowned and widely respected building scientist William Rose as we spend two-intensive packed days of that show building science at work in preservation. This workshop will provide a solid base in physical science—fluid flow, water vapor, radiation and heat flow. Learn how to do hygrothermal modeling and how to apply it. (Quick but intense).

The workshop will continue as we will tackle juicier questions in preservation such as freeze-thaw, condensation, and adoption of energy efficiency measures in existing buildings. It will address how to monitor buildings, and how to use monitored data to help make important building decisions. The focus will be on walls (particularly masonry walls), foundations, and attics/roof systems.

The workshop will showcase several case studies of building science in use in preservation.

The author of a landmark book, Water in Buildings, William Rose is a research architect at the University of Illinois at Urbana-Champaign and a widely respected building scientist. Hear Bill lead the workshop and he sets the stage for enabling the attendee to make solid judgments regarding energy-saving measures and consequent performance in existing buildings. Understand how to make hygrothermal analysis of building walls, attics and foundations using one's own calculations. And finally, participate in case studies that bring the theoretical into practice.

William Rose



William Rose is a Senior Research Architect at ICRT. His research is focused on heat, air and moisture transport in buildings and building envelope assemblies. He practiced architecture in the U.S. and France prior to joining the Building Research Council at the University of Illinois in 1984. He joined ARI in 2016.

Mr. Rose has published widely on building performance subjects including moisture consequences of energy measures, hygrothermal analysis, historic buildings, and the history of building practices. In 2005 he authored Water in Buildings. His current research is on indoor air quality results following energy measure interventions, in particular on normalizing weather conditions for dampness assessments. For 12 years Mr. Rose was Handbook Chair for the ASHRAE Handbook chapters related to building envelopes. He is an ASHRAE Fellow.

He has consulted on energy and moisture performance for several notable buildings including the UN Secretariat, National Gallery of Art, National Gallery of Australia, Independence Hall, the Guggenheim Museum (NYC) and Angkor shrines, Cambodia. He is a member of ASHRAE GPC34, preparing an Energy Guideline for Historic Buildings. Mr. Rose holds an M.Arch degree from Harvard Graduate School of Design. He is a registered architect in Illinois.