

**19<sup>th</sup> International Radon Symposium**  
**American Association of Radon Scientists and Technologists (AARST)**  
St Louis, MO September 20-23, 2009

**SUNDAY C.E. COURSES REQUIRE PRE-REGISTRATION – PLEASE GO TO THE  
AARST BOOKSTORE FOR REGISTRATION AND PRE-PAYMENT –**

[WWW.AARST.ORG](http://WWW.AARST.ORG)

Additional mini-courses of between 1 to 2 hours providing up to 4.5 hours of Category I credit (NEHA-NRPP) are available without charge during the Symposium's Tuesday and Wednesday concurrent sessions.

For the Tuesday and Wednesday C.E. "Plenary" sessions, please check with your state or professional accrediting organization to see if C.E. has been approved.

The AARST Symposium sessions are approved for 8 hours of Category II NEHA-NRPP continuing education credits.

Certified Health Physicists may receive 2 credits from the American Board of Health Physics (ABHP) for each half day of Symposium attendance, up to 3 days for a maximum of 10 credits.

AARST's Symposium can now be used by Indoor Air Quality Association Council certified professionals to maintain their credentials.

**Category I Continuing Education Training – Pre-Symposium Courses**

**7:00 AM to 7:00 PM MISSOURI GRANITE GEOLOGY FIELD TRIP** (8 hours NEHA-NRPP as well as 8 hours Category I IEMA CEU's-Illinois Licensees) David Malone, PhD Chairman, Dept of Geology/Geography, Illinois State U. & Robert Nelson, PhD Assoc. Professor Geology. Pre-registration required: \$150.

All radon measurement and mitigation people, public health and environmental professionals and students will benefit from the geological information and experiences on this field trip. Attendees are requested to bring their portable radiation measurement equipment. Walk only as tolerated-restroom on comfortable tour bus. Identify different kinds of exposed granite in the field at 4-6 major geological stops in St. Francois Mountains of Southeastern Missouri. Appreciate the importance of intrusive igneous activity and the rock forming processes of magma. Compare and contrast mineralogical and textural characteristics of respective granites with significance to other granites in the area. Measure radioactivity of various granites in the field. Understand the procedures for quarrying granite for dimension stone and other aggregates. Describe how granite weathers and "elephants" form. Discuss U-Pb form of radiometric dating.

**Morning Courses at Union Station Conference Center – Sunday, September 20, 2009 – 4 Credits – Pre-registration required – go to: [www.aarst.org/bookstore/html](http://www.aarst.org/bookstore/html)**

**8:00 AM – Noon RADON CLOUD CHAMBER COURSE**, Dr. James Burkhart, Spruce Environmental (4 Hrs NEHA-NRPP Category I CE) Pre-registration required: \$100. Regency A Learn how to build a cloud chamber – to see and demonstrate the radon decay products in a darkened room! A fun and highly educational course (fee includes lab materials for the course. (Course limited to 25 people.)

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**8:00 to Noon THE WORLD HEALTH ORGANIZATION'S RADON HANDBOOK FOR WORLD CLASS RADON PROFESSIONALS: MAXIMIZE YOUR PROFITABILITY, PROFESSIONALISM, AND HAPPINESS**, William J. Angell, Midwest Universities Radon Consortium (4 Hrs NEHA-NRPP Category I CE) Pre-registration required: \$70. Grand Hall Meeting Room III

After 3 years of consulting with more than 100 scientists and radon experts from over 30 countries, the World Health Organization is releasing the *WHO Handbook on Indoor Radon: A Public Health Perspective*. The *Handbook* is filled with timely gems that can be great tools to help you as a world class radon professional. Come to this course if you want to learn the insights behind the printed pages of WHO's guidance to its nearly 200 member countries in such areas as radon health effects. Join us in this class if you want to learn differences in radon measurement and mitigation around the world and to thus, appreciate the strengths and limitations of our practices in North American. Be part of this class to understand why an action level of 4 pCi/L (150 Bq/m<sup>3</sup>) may not be low enough. Come to this class if you want to learn subtle but profound radon risk communication messages that can work for you. Learn why radon prevention in all new homes is cost-effective in much of the developed world.

**1:00 to 5:00 PM ENERGY STAR INDOOR airPLUS: NEW OPPORTUNITIES FOR RADON PROFESSIONALS**, Trudy Smith, Home Aire & David Price, EPA (4 Hrs NEHA-NRPP Category I CE) Pre-registration required: \$70. Grand Hall Meeting Room II

This course will present the aspects of EPA's newly completed Indoor airPLUS (IAP) as it relates to radon. The material will cover the radon-related construction standards and guidelines that are referenced by the IAP to help participants maximize the value of the new specifications for their radon measurement and mitigation businesses and risk communication efforts. Participants will understand the new trends in building energy efficient as it relates to radon so they will be able to knowledgeably become the "expert" for builders and new home buyers. Ultimately, the goal is to create more testing and system installation by boosting awareness of the IAP.

**1:00 – 5:00 PM MAKING RADON REAL TO YOUR CUSTOMERS: NEW TOOLS FOR MARKETING RADON AND COMMUNICATING HEALTH RISKS**, Jim Morris, Eastern Regional Radon Training Center (4 Hrs NEHA-NRPP Category I CE) Pre-registration required: \$70. Grand Hall Meeting Room III

The science documenting radon health risks is now strong than ever. In the past decade, a series of powerful studies have clearly shown that consumers should take radon health risks seriously, yet millions of homeowners remain stubbornly and blissfully unwilling to test or mitigate on their own dime. A 2009 ERRTC survey confirmed the overwhelming majority of mitigations still are driven by real estate deals. Despite the powerful new risk data, sellers still grudgingly agree to reduce the threat of radon at the very moment they are eliminating their risk by vacating the house! This four-hour session reviews the new radon risk studies in words that make sense to – and resonate with – your consumers. You'll also learn how to translate the risk data into clear, direct marketing messages that can piggyback onto larger "brand awareness" campaigns led by the USEPA and state programs. Working with the consumer research that helped guide the EPA's creative team, this session also will provide you with strategies to identify and communicate with the consumers who are motivated to take action now to protect their families' long-run health. These are the consumers who can discover your services as they search the web for information about cancer risks and air quality – rather than the ones simply looking for the lowest price to close a real estate deal.