

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

PRELIMINARY DRAFT FOR 2009 SYMPOSIUM PROGRAM as of July 14, 2009
PROGRAM PRESENTATIONS AND TIMES ARE SUBJECT TO CHANGE

To Register: WWW.AARST.ORG

SATURDAY – SEPTEMBER 20, 2009

PRE-SYMPOSIUM MEETINGS

- 7:00 – 4:30 Meeting Space Available – Jefferson
7:00 – 6:00 Meeting Space Available -- Knickerbocker
5:00 AARST Staff Meeting and Walk Through
6:00 – 7:00 AARST Board Symposium Assignments and Training

SUNDAY – SEPTEMBER 20, 2009

PRE-SYMPOSIUM CONTINUING EDUCATION COURSES, MEETINGS, AND OTHER EVENTS

- 7:00 GRANITE GEOLOGY FIELD TRIP DEPARTS HOTEL – See Details in C.E. below
- 8:00 MORNING C.E. COURSES START – See Details in C.E. below
- 8:00 SYMPOSIUM STAFF AND VOLUNTEERS MEET FOR BRIEFING WITH TRUDY AND PETER (*Location: Dixie/Flyer*)
- 9:00 – 4:00 EXHIBITION HALL SET-UP FOR EXHIBITORS/POSTER PRESENTATIONS *-Regency C*
- 10:00 – 5:00 SYMPOSIUM REGISTRATION DESK OPEN (*Dixie/Flyer*)
- 10:00 NATIONAL RADON STANDARD CONSORTIUM EXECUTIVE STAKEHOLDERS MEETING (*Colorado Eagle*)
- 1:00 AFTERNOON C.E. COURSES START – See Details in C.E. below
- 1:00 OPEN MEETING TIME (*Colorado Eagle*)
- 3:30 AARST NATIONAL BOARD MEETING (*Colorado/Eagle*)
- 5:30 AARST ELECTION SUPERVISORS MEETING (*Colorado Eagle?*)
- 6:30 – 8:30 JOINT RECEPTION WITH CRCPD (*Regency C*)

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Category I Continuing Education Training – Pre-Symposium

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

WWW.AARST.ORG

Additional mini-courses of 1 to 2 hours providing 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 accrediting organization to see if C.E. has been approved. The Plenary sessions are approved for Category II NEHA-NRPP continuing education credits.

7:00 AM to 7:00 PM MISSOURI GRANITE GEOLOGY FIELD TRIP (8 hours NEHA-NRPP as well as 8 hours Category 1 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.

**Morning Courses at Union Station Conference Center – Sunday, September 20, 2009 – 4
Credits – Pre-registration required – go to: 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 (Course limited to 25 people.)

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

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

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

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MONDAY – SEPTEMBER 21, 2009

JOINT CONTINENTAL BREAKFAST – PRE-FUNCTION AREA

Joint Meeting Day with CRCPD's National Radon Training Meeting – (Grand Hall F)

Moderators: – Morning, Bill Bell, CRCPD Radon Committee
– Afternoon, Carolyn Allen, Vice-President, AARST

8:00 – 8:15 *WELCOME* – E-25 Radon Committee Chair Bill Bell; CRCPD Chairperson John Winston; AARST President Bill Angell; Regional Welcome

8:15 – 9:00 *KEYNOTE ON RADON SCIENCE-NCRP 160 (WHY THE RADON MESSAGE IS MORE IMPORTANT THAN EVER)* – R. William (Bill) Field, University of Iowa and World Health Organization International Radon Project

9:00 – 9:45 *KEYNOTE ON PRINCIPLES OF HEALTH POLICY: RADON* – Terry J. Leach, R.N, J.D, M.A., Manager, Health Policy, University of California

9:45- 9:55 *FRAMING FOR SUCCESS* – Tracy Enger Washington, U.S. Environmental Protection Agency (EPA)

9:55 – 10:25 Break, Exhibits, and Posters

10:25 – 11:00 *LIVING RADON REFERENCE MANUAL* – Bob Lewis, Pennsylvania Department of Environmental Protection, and Paul Houle, University Educational Services

11:00 – 12:00 *JOINT INDUSTRY, STATE AND FEDERAL LEADERSHIP UPDATES* – Bill Angell, President, AARST; Mike Gilley, Chair-Elect, CRCPD, Bill Long, EPA

12:00 – 1:30 JOINT AARST AND CRCPD LUNCHEON – Awards – Location: Regency A&B

1:30 – 2:00 *OTHER PEOPLE'S MONEY: ACHIEVING GOALS WITH NEW PARTNERS* – Andrew Gilbert, Minnesota Department of Health, and Jim McNees, Alabama Department of Public Health

2:00 – 2:35 *KEEP YOUR PHONE RINGING: DRIVE DEMAND WITH NEW PARTNERSHIPS* – Peter Hendrick, Executive Director, AARST, and Kyle Hoylman, Protect Indoor Air Quality Services

2:35 – 2:45 *APPLYING PARTNERSHIP LESSONS* – Tracy Enger Washington, EPA

2:45 – 3:15 Break, Exhibits, and Posters - Regency C

3:15 – 3:45 *STAKEHOLDER MEETING DESIGNS THAT CREATE NEW RADON LEADERS* – Sara Morgan, Nebraska Department of Health, and Angela Tin, American Lung Association of Illinois

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- 3:45 – 4:30** *NEW AND EXISTING OUTREACH TOOLS* – Susie Shimek, EPA; Francesca Provenzano, Connecticut Department of Health; and William (Gene) Thomas, Wedco District (KY) Health Department
- 4:30 – 5:00** *STANDARDS UPDATES* – Trudy Smith (Multi-Family Measurement), Spruce Environmental; Bill Brodhead (ASTM 2121 Mitigation), WPB Enterprises; and Liz James (Home Measurement), Safe School Radon Testing Solutions, OH
- 5:00** **Adjourn**
- (5:00 – 6:30)** **NEHA-NRPP POLICY ADVISORY BOARD MEETING – COLORADO EAGLE)**

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TUESDAY – SEPTEMBER 22, 2009

AARST – CRCPD CONTINENTAL BREAKFAST – PRE-FUNCTION AREA

Note: Symposium attendees may attend publically scheduled National Radon Meeting sessions at no extra charge

Moderators: – Morning, _____, _____
– Afternoon, _____, _____

Plenary Session will be located in Regency B

8:00 – 8:15 *WELCOME AND ANNOUNCEMENTS* – Trudy Smith, Symposium Program Chair and Bill Angell, President

8:20 – 10:00 **Concurrent Session – Jefferson-Knickerbocker**
WHERE'S THE RADON REALLY COMING FROM? – D. Hill and Panel, NEHA-NRPP 1.5 hrs Continuing Education Credits, no fee for this course.

Plenary Session: Peer-Reviewed Research Papers – see the follow sessions in Regency B

8:20 – 9:00 *AN UPDATE ON HEALTH CANADA'S RADON PROGRAM* Jeff Whyte, M.Sc. Head-Radon Technical Operations/chef-opérations techniques du radon Health Canada - Radiation Protection Bureau/Santé Canada - bureau de la radioprotection

9:00 – 9:20 *ALPHA AUTORADIOGRAPHY OF THYROID CANCER TISSUE* – Benjamin A. Abrams and James F. Burkhart Physics Department, University of Colorado at Colorado Springs, CO

9:20 – 10:00 *ENERGY LOSSES AND OPERATIONAL COSTS OF RADON MITIGATION SYSTEMS* – L. Moorman, Ph.D. Radon Home Measurement and Mitigation, Inc. Fort Collins, CO

10:00 – 10:30 **Break, Exhibits, and Posters – Regency C**

10:30 – 12:00 **Concurrent Session – Jeffereson Knickerbocker**
AARST TOOLS FOR CHAPTERS – LEARN HOW TO PARTNER WITH RELAY FOR LIFE, ALA AND HABITAT FOR HUMANITY AS WELL AS ENGAGE IN GOVERNMENT AFFAIRS WITH YOUR STATE LEGISLATORS, Peter Hendrick, AARST, and Angel Price, NEHA-NRPP, 1.5 NRPP-NRPP C.E. Credits, no fee for this course

Plenary Session: Peer-Reviewed Research Papers – see the follow sessions in Regency B

10:30 – 10:50 *YEAR-LONG RADON TESTING STUDY IN HOME AND OFFICE SETTINGS IN DAYTON, OHIO* Phillip H. Jenkins, PhD, CHP Bowser-Morner, Inc

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10:50 – 11:10 *MEASUREMENT OF GRANITE COUNTERTOP AND OTHER BUILDING MATERIALS RADON EMANATION*, J.L. Alvarez, B.V. Alvarez, M. DeVaynes & S.G. Price, Airchek

11:10 – 11:30 *DETAILED RADON HAZARD MAPPING: A TOOL FOR STIMULATING RADON SAFE BUILDING IN RADON PRONE AREAS* – André Poffijn, Federal Agency for Nuclear Control, Belgium

11:30 – 12:00 *PRE- AND POST-MARKET MEASUREMENTS OF GAMMA RADIATION AND RADON EMANATION FROM A LARGE SAMPLE OF DECORATIVE GRANITES* – Daniel Steck, Ph.D., St. Johns University

Noon – 1:30 AARST Annual Meeting and Luncheon – Grand Hall

1:30 – 3:00	Concurrent Session – Regency A AARST CHAPTER ROUND TABLES – LOCAL LEADERSHIP DEVELOPMENT: STEPPING UP YOUR PROFESSIONAL PROFILE THROUGH LOCAL PARTNERING – Nicole Chazaud, AARST Chapter Coordinator, 1.5 NEHA-NRPP Continuing Education Credits, no fee for this course.
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Plenary Session: Peer-Reviewed Research Papers – Regency B

1:30 – 1:50 **RADIOACTIVE GRANITE: A CASE STUDY & A SIMPLE TEST METHOD** – Linda Kincaid, MPH, CIH

1:50 – 2:10 **LABORATORY INTERCOMPARISON OF RADON-IN-WATER STANDARDS** – Michael E. Kitto, Ph.D., NY DOH

2:10 – 2:30 **RADON FLUX MONITOR FOR *IN SITU* MEASUREMENT OF GRANITE AND CONCRETE SURFACES** – Paul Kotrappa and Fredrick Stieff, RadElec

2:30 – 3:00 Break, Exhibits, and Posters - Regency C

3:00 – 4:00 **THE STATE OF THE GRANITE DEBATE – PANEL PRESENTATION AND DISCUSSION** – Trudy Smith, Panel Moderator
The issue of radon and radioactivity from granite countertop materials has caused an intensive public debate over the amount of emanation, the proper devices to test for it, the prevalence of radioactive granite, and the proper evaluation of the health risk to occupants of a home with this material. The discussion will not advocate granite testing by the Radon industry but it will update members on the current findings of researchers and industry organizations looking into the issues. Using the public interest in the controversy to advocate whole house radon testing will also be covered as serious levels of soil based radon have been found while testing granite in homes.

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4:00 – 5:00 ***REALLY COMMUNICATING RADON RISK: CRANKING UP THE VOLUME – AARST PANEL PRESENTATION AND DISCUSSION – PANEL***

Reviewing past wisdom on selling radon, combining it with studies on successful marketing and shaping it into contemporary messages with powerhouse presentation is critical to an industry struggling with a comatose real estate market. This panel will use as a starting place the research and findings of Drs. Peter Sandman, Ray Johnson, and Paul Slovic. Putting this data together with recent EPA marketing studies and efforts and the wisdom of the group, the presentation will send industry members home with new ideas on presenting the radon message and a new energy to be creative. The upshot will be more testing and mitigation

5:00 ***Adjourn***

6:30 – 10:00 ***RADON PROFESSIONAL!! AN ALPHA PARTICLE BLUES NIGHTS OUT!***

Pay attention to announcement for bus transportation to & from the BB's Jazz, Blues and Soups Club. Dinner buffet included.

Guests of attendees need to purchase extra tickets For Night Out at the AARST Symposium Office – 2nd Floor – Dixie Flyer

BB's Jazz, Blues and Soups is St. Louis' Premiere Blues house!! The 700 South Broadway building which houses BB's was known as Phil's Hotel as late as 1969, and has a colorful past. Since its original construction in the mid 1800's, in an area then known as "Frenchtown" with a further 3 story addition at the turn of the century, the location has been used as a home, boarding house, reception hall, merchantile, millinery, transient hotel, bar, diner, and a House of Ill Repute with 37 rooms between its 2nd and 3rd floors.

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10:30 – 12:00 **Concurrent Session – Regency A**
THE OPPORTUNITIES AND RISKS OF RRNC, Attorney TBA
1.5 Category I C.E. Credits – No Fee

10:30 – 10:50 *CAN CAT LITTER BE A SOURCE FOR INDOOR RADON*,
Michael E. Kitto, Ph.D., NY DOH

10:50 – 11:10 *COLD CLIMATE MITIGATIONS – A CANADIAN PERSPECTIVE*,
Robert (Bob) Wood, Mr. Radon, Ontario, Canada

11:10 – 12:00 *TO BE ANNOUNCED*

12:00 – 1:30 **Lunch on your own**

AARST members and Symposium attendees are invited to rejoin CRCPD's 18th National Radon Meeting