

22nd International Radon Symposium – DRAFT PROGRAM
American Association of Radon Scientists and Technologists (AARST)
Hyatt Regency Conference Center, Columbus, Ohio
October 17-20, 2010

PRINTED SCHEDULE FOR 2010 SYMPOSIUM PROGRAM as of July 20, 2010
PROGRAM PRESENTATIONS AND TIMES ARE SUBJECT TO CHANGE

To Register: WWW.AARST.ORG

SATURDAY – OCTOBER 16, 2010
PRE-SYMPOSIUM MEETINGS

7:00 – 4:30	Committee Meeting Space Available	(Grant)
7:00 – 6:00	Committee Meeting Space Available	(Harding)
5:00	AARST Staff Meeting and Walk Through	(Nationwide II)

SUNDAY – OCTOBER 17, 2010
PRE-SYMPOSIUM CONTINUING EDUCATION COURSES, MEETINGS, AND OTHER EVENTS

2010 THEME: *LOCAL CHAPTERS DELIVER*

8:00	MORNING C.E. COURSES START – SEE DETAILS IN C.E. BELOW	
8:00	SYMPOSIUM STAFF AND VOLUNTEERS MEET FOR BRIEFING WITH STAFF (NATIONWIDE II)	
9:00 – 4:00	<i>EXHIBITION HALL</i> <i>SET-UP FOR EXHIBITORS/POSTER PRESENTATIONS</i>	(HAYES)
10:00 – 5:00	SYMPOSIUM REGISTRATION DESK OPEN	(NATIONWIDE II)
10:00	MEETING TIME OPEN	(GARFIELD)
1:00 PM	AFTERNOON C.E. COURSES START – SEE DETAILS IN C.E. BELOW	
1:00 PM	AARST NATIONAL BOARD MEETING	(GARFIELD)
3:00 PM	NEHA-NRPP POLICY ADVISORY BOARD MEETING	(GARFIELD)
5:30 PM	AARST ELECTION SUPERVISORS MEETING	(GARFIELD)
6:00 -8:00	JOINT RECEPTION WITH CRCPD	(MCKINLEY)

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Category I Continuing Education Training – Pre-Symposium

**SUNDAY C.E. COURSES REQUIRE PRE-REGISTRATION
BY OCTOBER 10, 2010**

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.

**Continuing Education Courses – Sunday, October 17, 2010 – 4, 8, and 16 CE Credits
Pre-registration required - Registration as indicated with each course**

8:00 AM – 5:00 PM **(HARRISON)**

THE RADON INSPECTION - 8 NRPP CE CREDITS
HEARTLAND CHAPTER OF AARST IN CONJUNCTION WITH SPRUCE ENVIRONMENTAL

FEE: \$150.

This course is designed to train the radon professional and inspectors to identify observable aspects of a residential radon system that may impact its proper operation. The course especially focuses on those defects that may increase a health risk from radon-induced lung cancer or cause structural damage or fungal growth from improper moisture management.

The mitigation system information is organized to flow into a residential inspection process so that it follows a logical inspection pattern. The course is based on the ASTM E2121 guidelines with reference to EPA's past Radon Mitigation Standards and comparisons to ASHI's checklist.

Order online at www.aarst.org/ce.shtml

8:00 AM TO NOON **(GRANT)**
**PROPER USE AND QA/QC PROCEDURES FOR CONTINUOUS RADON MONITORS (CRMS) AND
ACTIVATED CHARCOAL (AC) DEVICES - 4 NRPP CE CREDITS**
AIRCHEK AND FEMOTECH

FEE: \$90.

Order online at www.aarst.org/ce.shtml

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Continuing Education Courses – Sunday, October 17, 2010 – 4, 8, and 16 CE Credits
(Cont.)

10:00 AM – 2:00 PM

(HARDING)

RADON: TRAIN THE SPEAKER - 16 NRPP CE CREDITS:

CENTER FOR ENVIRONMENTAL RESEARCH & TECHNOLOGY INC. (CERTI)

FEE: \$265

INCLUDES HOME STUDY COURSE AND CLASSROOM SESSION

Radon: Train the Speaker provides you with technical expertise for giving radon presentations, along with a demonstration of presentation techniques that will enhance your public speaking skills. The course includes a PowerPoint Presentation that you can adapt for use in your own presentations. There is a full technical review for each slide to provide you with answers to typical questions and concerns from audiences. Students completing this course are eligible to be listed on the Radon Speakers Bureau on the NEHA-NRPP and CERTI websites.

Home Study Course Section

Students complete the home study course (12 CE) prior to the classroom session. Course materials are shipped to you and include:

- audio CDs and video DVDs
- course manual
- online quizzes

Classroom Session – 10:00AM – 2:00 PM – October 17, 2010

Brief review of the home study course followed by student presentations with feedback and coaching on techniques.

RADON TRAIN THE SPEAKER CLASSROOM SESSION ONLY – 4 NRPP CE CREDITS: (HARDING)

Classroom Session indicated above is also available for 4 CE credits as a separate course *for students that have previously taken the CERTI Home Study Radon: Train the Speaker* (NRPP 1A)

Fee: \$90

Order online at www.certi.us, or phone 1-800-513-8332.

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BREAKFAST ON YOU OWN – NO CONTINENTAL BREAKFAST THIS YEAR

Spouses Day Out - Tentative Schedule (More Details to Follow)

8:30 a.m. - Meet at the bus at the hotel
9:30 a.m. - Anthony Thomas Chocolate Factory www.anthony-thomas.com
11:30 a.m. - Lunch at Schmidt's Sausage Haus in Old Town www.schmidthaus.com
1:00 p.m. - Franklin Park Conservatory www.fpconservatory.org
5:00 p.m. - Back to Hotel.

MONDAY – OCTOBER 18, 2010

Joint Meeting Day
with CRCPD's National Radon Training Meeting
Union Room
Bill Bell, Moderator, CRCPD Radon Committee Chair

8:00 – 8:15 **Welcome**
Ohio Welcome – Dr. Jackson , Ohio Department of Health
Ohio Association Radon Professionals – Alexia Workman, President
Logistics – Marybeth Rich

8:15 – 9:00 **Keynote**
Ray Johnson
Risk Communication – Creating an Actionable Message

9:00 – 9:20 Mike Flynn, Director of USEPA Office of Radiation and Indoor Air

9:20 – 9:45 **Set up for Quality session – Why quality matters**
Bill Bell, CRCPD, and Carolyn Allen, AARST President

9:45 – 10:15 **Break / Exhibits – Hayes Room**

10:15 – 11:00 **Quality is never an accident**
QA/QC Measurement and Laboratory Services
Industry Perspective – Phil Jenkins
EPA – Janie Palmer
Quality Mitigation
Practitioner Perspective – John Mallon (Peter)
State Perspective – Marybeth

11:00 – 12:00 **Joint Leadership Updates**
AARST - Bill Angell
EPA - Bill Long
CRCPD – Mike Gilley

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12:00 – 1:30 **Luncheon in Franklin Room**
Moderator Bill Bell

Award presentations by Mike Gilley and William Angell

RADON RESISTANT NEW CONSTRUCTION
Moderator – Carolyn Allen, Incoming AARST President

1:30 – 1:50 ***Radon In Green Buildings and Other Health Housing Initiatives***
Dave Jacobs, National Center for Healthy Homes

1:50 – 2:10 Builders perspective of RRNC
Ed Hudson, NAHB Research Center

2:10 – 2:30 ***AARST Radon Reducing Features in New Construction Model Building***
Code Development
Dave Kapturowski, Committee Chair

2:30 – 2:45 ***Questions and Answers with Note Cards***

2:45 – 3:15 **Break / Exhibits – Hayes Room**

3:15 – 3:35 ***Policy Development for RRNC***
Pat Daniels, Governors Task Force for RRNC Illinois

RAISING THE PUBLIC'S AWARENESS

3:35 – 4:00 ***Lead - the Heavy Metal. NOT Music to Your Ears!***
Matt Young, ODH

4:00 – 5:00 ***Getting radon into other cancer efforts***
Radon Tee World Trek 2010, Kyle Hoylman
ACS Relay for Life, Angel Price
Georgia Cancer Coalition, Southface
Southern Illinois Lung Cancer Initiative, Matt from ALA-III.

5:00 **Adjourn**

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TUESDAY – OCTOBER 19, 2010

Local Chapters Deliver!

BREAKFAST ON YOU OWN – NO CONTINENTAL BREAKFAST THIS YEAR

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

Symposium Plenary Session: Peer-Reviewed Research Papers – Taft C & D

8:00 – 8:20 AN ADVOCATES REAL STORY
A Cancer Survivor Against Radon Tells Her Story

8:30 – 10:00 Concurrent Sessions Internet - Marketing 101 – Dave Naggar, Spruce
1.5 Hr NRPP CE Credit, No Fee – Included in Registration Fee
(Harrison)

This course is designed for radon professionals with little to no knowledge of internet marketing. The course will briefly introduce the benefits of having a company website and cover the basics of establishing one. We will also review some of the most popular/common and effective techniques used in online marketing, including social media, blogs, pay-per-click advertising and email marketing.

8:20 – 8:40 EXPERIMENTAL DETERMINATION OF THE EFFECTIVENESS OF
RADON BARRIERS Michael E. Kitto Ph.D., NY State Dept of Health

8:40 – 9:00 EXAMINATION OF OHIO INDOOR RADON DATA,
Ashok Kumar, the University of Toledo, Ohio

9:00 – 9:20 SHOULD ONLY ACTIVE RADON RESISTANT NEW CONSTRUCTION
BE REQUIRED IN ALL ZONE ONE COUNTIES? James L. McNees, CHP
Office of Radiation Control, Alabama Department of Public Health

9:20 – 10:00 AIR PIPESCAPE' PROGRAM, AN AID TO OPTIMIZE RADON MITIGATIONS
Leo Moorman, Ph.D., Fort Collins, CO

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10:00 – 10:30 Break, Exhibits, and Poster Sessions.

(Hayes)

POSTER SESSIONS AT 10: 00 AM

COMPARISON OF TWO DAY CONSECUTIVE RADON MEASUREMENT RESULTS TO 90 DAY AVERAGE MEASUREMENT RESULTS, USING THE DATA FROM CONTINUOUS RADON MONITOR IN A TYPICAL SINGLE FAMILY HOME IN MD, USA (Poster Session Presentation) Fredrick Stieff, Payasada (Paul) Kotrappa Rad Elec Inc.

RADON'S EMISSION IN ORNAMENTAL ROCKS

(Poster Session Presentation)

Gavioli, Y. S.¹, ¹Centro de Tecnologia Mineral -CETEM-RJ Rio de Janeiro, Brazil

11 – 12:00 Concurrent Session: Continuing Education

(Harrison)

Introduce Some Magic into Your Radon Business

Dave Hill, Spruce Environmental Technologies

1.5 Hr NRPP CE Credit, No Fee – Included in Registration Fee

How do successful businesses continue to thrive despite economic instability, bad weather patterns, tough competition or a resistant marketplace? Maybe the answer is that you need to add some magic into your routine. This course will show you magic tricks that can help you to liven up your radon business and add to your bottom line.

10:30 – 10:50 RADON-RELATED LUNG CANCER DEATHS AND MITIGATION COST

EFFECTIVENESS IN A RADON PRONE REGION, Daniel J. Steck

Physics Department, St. John's University

10:50 – 11:10 DESIGN AND PERFORMANCE OF AN AERATED FLOOR SYSTEM

FOR RADON MITIGATION PROJECTS , Bill Morris, Enviro Group Limited

11:10 – 11:30 THE DISTRIBUTION OF INDOOR RADON CONCENTRATIONS

Willard E. Hobbs, Jr., Radon Reduction & Research

11:30 – 12:00 NATION-WIDE ²²²Rn AND ²²⁰Rn ATLAS FOR INDIA

L.A.Sathish, Department of Physics, Government Science College, Bangalore

Noon – 1:30 AARST Annual Meeting and Luncheon – (location TBD)

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1:30 – 3:00 Concurrent Session Pending (Harding)

**1:30 – 2:10 INCREASING RADON TESTING AND MITIGATION: A TEST YOUR HOME
AND WIN CONTEST, Mason Kerckmar**

**2:10 – 2:30 NATIONAL RADON ACTION MONTH (NRAM) Outreach Initiatives
Gina Bowler, USEPA Radon Program**

2:30 – 3:00 Break, Exhibits, and Poster Sessions (Hayes)

POSTER SESSIONS AT 2:30 PM BREAK

SHOULD RADON MITIGATION SYSTEM INSTALLATIONS BE PERMITTED? Jack Hughes,
Southern Region Radon Training Center

THE SPATIAL AND VOLUMETRIC VARIATIONS OF RADON IN BANGALORE CITY, INDIA
LA Sathish, Department of Physics, Government Science College, Bangalore

3:00 – 4:00 The History of Basement Health Steve Andras, President of Pioneer Basement
(A SPECIAL PRESENTATION; NOT PART OF THE FORMAL SYMPOSIUM PROCEEDINGS)

**4:00 – 5:00 *Local Chapter's Delivery – AARST Leadership & Staff*
AARST Chapters – Stand and Deliver!
Breakout Sessions**

5:00 *Adjourn*

**6:30 – 10:00 *NIGHT OUT EVENT GORDON Biersch Brew Pub and Restaurant
JOIN US FOR LOTS OF FUN AT A BREW PUB IN THE HEART OF THE
ENTERTAINMENT DISTRICT.***

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WEDNESDAY, OCTOBER 20, 2010

BREAKFAST ON YOU OWN – NO CONTINENTAL BREAKFAST THIS YEAR

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

8:15 - 10:15 Concurrent Continuing C.E. 2 Credits Advanced Mitigation (Harrison)

The Dreaded Crawlspace - 2 Hours Instructors
Panel Moderator Dave Hill
NRPP CE Credit, No Fee – Included in Registration Fee

It can't be avoided: sooner or later you will come across a difficult crawlspace – too tight to fit into, too wet to work in, or sometimes just too nasty. How do your colleagues work with, and in, tough crawlspaces? Our panel of experts will discuss – and demonstrate through photos and video – some tough crawlspaces they have encountered and how to properly deal with them. Bring your own photos and diagrams to discuss with the panelists and attendees.

Symposium Plenary Session: Peer-Reviewed Research Papers – Taft C & D

8:00- 8:10 HOUSEKEEPING/ANNOUNCEMENTS

8:10 - 8:30 IMPROVING INDOOR AIR QUALITY BY REDUCING RADON AND VAPOR INTRUSION THROUGH THE USE OF ETHYLENE VINYL ALCOHOL (EVOH)
Armstrong, R., Kuraray America, Inc.

8:30 –8:50 THE MINNESOTA STATE RADON PROGRAM PROGRAM EFFECTIVENESS AS RELATED TO THE IMPLEMENTATION OF A REGULATORY POLICY: A WHITE PAPER, Andrew Gilbert, Minnesota Department of Health Indoor Air Unit

8:50 – 9:10 NATIONAL STATE LEGISLATION SUMMIT PROJECT
THE STATE LEGISLATION RADON EDUCATION PROJECT

9:10 – 9:40 RADON GUIDELINES FOR LOW-INCOME WEATHERIZATION,
William Angell, University of Minnesota

9:40 – 10:00 COULD A LUNG CANCER DEATH BE THE LEGAL RESPONSIBILITY OF THE RADON TESTER OR MITIGATOR? Grammer, David
R.A. Data

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10:00-10:30 Break, Exhibits, and Posters

POSTER SESSIONS:

PRE-ASSEMBLED DO-IT-YOURSELF MITIGATION KITS

Thomas E. Shaeffer, Radon Solutions

THE 5 WS OF A RADON WEBSITE Michael E. Kitto, NY State Dept. of Health

10:30 –12:00 Concurrent Session – Business Solutions (Harrison)

Insurance, Customer Service Agreements, Limiting Liability

No Credits but Priceless Advice

No Fee – This Is Included in Your Registration Fee

Symposium Plenary Session: Peer-Reviewed Research Papers – Taft C & D

10:30 – 10:50 Interaction of radon exposure and smoking among Czech uranium miners

Ladislav Tomasek, National Radiation Protection Institute, Czech Republic

10:50 – 11:10 DESIGNING EFFICIENT SUB SLAB VENTING AND VAPOR BARRIER SYSTEMS FOR SCHOOLS AND LARGE BUILDINGS, Thomas E, Hatton

Clean Vapor, LLC

11:10 – 11:40 Pending - Presentation on New Lead Rules

11:40 – 12:00 ANNUAL AARST REPORT

12:00 Noon AARST National Board Meeting (Garfield)

12:00 – 1:30 Lunch on your own

1:15– 3:00 AARST members and Symposium attendees are invited to rejoin CRCPD's National Radon Training Meeting for EPA Roundtable Discussions.

1:15 – 3:20 Action Planning / Open Spaces - Jeggan Cole, CRCPD & Katrin Kral, EPA

RRNC Notecards

State Programs at Risk Notecards

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