

29th National Radon Training Conference

Sponsored by

Conference of Radiation Control Program Directors, Inc.

With financial assistance provided by

Office of Radiation and Indoor Air
U.S. Environmental Protection Agency



Chrystine Kelley has been an Environmental Protection Specialist with the Colorado Department of Public Health & Environment, Hazardous Materials and Waste Management Division for the past 26 years and holds a Bachelor's of Science Degree in Environmental Health from Colorado State University. She has been the Radon Program Manager for the state of Colorado for 16 years. She served on the CRCPD E25 committee on radon for several years before becoming Chairperson in October, 2018. She serves on the Executive Stakeholders Committee of the AARST Consortium on National Radon Standards, the National Radon Proficiency Program Policy

Advisory Board and provides input to standards setting committees.



Patrick Daniels is a Health Physicist, serves as the Illinois Emergency Management Agency (IEMA) Radon Program Manager and assisted in writing the states radon regulations. Patrick started his career in the nuclear industry as a reactor plant Engineering Watch Supervisor in the United States Navy Nuclear Submarine Service. He also was qualified as a Radiological Control Shift Supervisor at the Knolls Atomic Power Laboratory. Prior to working with the Radon Program, he performed safety inspections of radioactively contaminated sites for the IEMA Environmental Monitoring Group. Patrick was named the Conference of Radiation Control Program Directors 2011 National Radon Hero and received the Conference of Radiation Control Program Directors 2014 James W. Miller Award for his leadership and dedication to reducing the health effects of radon exposure.



Joshua Kerber is an Environmental Research Scientist for the Minnesota Department of Health. He has worked in the indoor air quality and radon field since 2002 and the home construction industry since the 1990s. He has a Master's Degree in Atmospheric Science and has worked and trained in two state radon programs: Minnesota and Ohio. More recently Joshua has worked on the implementation of the Minnesota Radon Awareness Act and the Minnesota Radon Licensing Act. He assists Minnesota contractors with radon and vapor intrusion mitigation assistance, along with providing research, information, and outreach to Minnesota and national constituents. He serves on many national radon standard workgroups including the Conference of Radiation Control Program Director's E-25 committee on radon and the International Atomic Energy Agency's committee on Radon Prevention and Mitigation in Buildings

committee.



Eleanor Divver started working in the Radon world in 1993 when she was with the Salt Lake County Health Department. She then taught Public Health, Environmental Health and Healthy Lifestyles at the University of Utah for many years. Currently, she is working for the Utah Department of Environmental Quality as the Radon Project Coordinator. Eleanor loves to be working in the Radon Field again. She has served on the CRCPD E-25 committee on radon for three years and enjoys playing a role in building comradery within the radon industry. Married with three delightful daughters, Eleanor enjoys traveling and experiencing new places and cultures, as well as spending time with her family and friends in the great outdoors of Utah.



Allison Perry Sullivan currently works as an Environmental Analyst 3 in the Radon Program and has been with the Connecticut Department of Public Health (CTDPH) since January 2005. She came to DPH as an Environmental Scientist/Field Team Leader from CDM Inc, New York City. She worked for 5 years at this engineering firm, primarily working on Remedial Investigations on U.S. Environmental Protection Agency (EPA) Superfund sites in EPA Region II (NY, NJ, PR, and USVI). Ms. Sullivan led field teams on projects involving sampling and analyzing groundwater, surface and subsurface soils, sediment, and biota. She gained her radon expertise while working at the U.S. Radium site in Orange, New Jersey. Ms. Sullivan has her B.A. in Environmental Studies from Gettysburg College in Pennsylvania and also studied at the Duke University Marine Lab/ Nicholas School of the Environment in North Carolina.



Brandy Toft serves as Leech Lake Band of Ojibwa's Environmental Deputy Director since 2016. Prior to her promotion, she served as their Air Quality Specialist building the Air Program since 2001. During her tenure, she has lead the Leech Lake Air Program in obtaining and implementing a variety of air quality improvement projects and funding for: indoor air quality, radon testing and mitigation, alternative energies, diesel retrofitting and emission reductions, burn barrel mitigation, along with monitoring ambient air for particulate matter, mercury, dioxins, toxics, and meteorological data collection. Brandy is actively involved in rule/policy promulgation on local, state and federal levels, as well commenting on federal and state permits affecting Leech Lake and Indian Country as a whole. Brandy is involved with and serves as an officer on a number of local, regional, and national organizations to promote issues in Indian Country. In 2012 she was awarded the esteemed Virgil

Masayesva Excellence Award recognizing her contributions to the protection of air quality, health and the environment throughout Indian Country nationwide. Her schooling includes: Masters Degree in Environmental Ecology, Bachelors of Science in Biology and Geology with a minor in Space Studies. She is an AARST Foundation Board Member, National Radon Action



Denise Bleiler is the Radiation Protection Program Supervisor of the Radon Monitoring Section within the Bureau of Radiation Protection of the Pennsylvania Department of Environmental Protection. Denise joined the Radon Division as a Radiation Health Physicist June 2011 and has been the Monitoring Program Supervisor since January 2012.

Prior to beginning employment with the Bureau of Radiation Protection she has worked full time as a Nuclear Medicine Technologist since 1985. Her B.S. degree is in Biology from Millersville University 1985. She continues to hold Certification in Nuclear Medicine Technology.



Kirsten Hesla works on the Radon Team, in the Indoor Environments Division, at the Environmental Protection Agency (EPA). As the State Indoor Radon Grants (SIRG) Program Coordinator and member of the E-25 Committee, Kirsten works with a variety of stakeholders to reduce radon exposure and prevent radon-induced lung cancer. While still relatively new to the Radon Team, Kirsten has been with the EPA since 2011 and previously worked in the ENERGY STAR Program and in the Office of Pollution Prevention and Toxics. Kirsten earned her Bachelor of Science, and Master of Public Health degrees from Emory University in Atlanta, GA. Kirsten grew up in Colorado, and she enjoys swimming, hiking and spending time outside.

We would also like to thank our committee advisors for their input and assistance throughout the year:

Jay Hyland (ME)
Susan Howe (NV-Affil)
Adrian Howe (NV)
Kim Steves (KS)
Angela Tin (IL-Affil)
Brandy Toft (MN-Affil)
Melinda Lewis (IL)
Clark Eldredge (FL)
Bob Stilwell (ME)
Natalia Deardorff (CA)
Jorge Laguna (FL)
Jim Lewis (MD)
Aaron Berndt (MI)

Working Group Interactive Resources:

Clark Eldredge, SR-R Chairperson

Disclaimer

The opinions and statements of individuals, agencies, or corporations, presented in the form of papers, exhibits, or any other methods of expression at this conference are not necessarily endorsed by, nor the opinion of, the Conference of Radiation Control Program Directors, Inc. (CRCPD), and CRCPD has no responsibility or liability for the contents thereof.

Welcome to the 29th National Radon Training Conference

The Conference of Radiation Control Program Directors, Inc. (CRCPD), 29th National Radon Training Conference, September 9 – 11, 2019, in Denver, Colorado, Grand Hyatt.

CRCPD's E-25 Committee on Radon developed the agenda from the 29th National Radon Training Conference. Attendees of last year's National Training Conference in Lexington, Kentucky, suggested many of the topics and presentations. We really encourage you to complete and submit the daily critique forms about this meeting. Your input is valuable. Let us know what you think.

Radon Hero Award

The Radon Hero Award was approved by the CRCPD Board of Directors in November 2006.

The CRCPD recognizes that exposure to indoor radon is a significant contributor to total radiation exposure received by the public and is the second leading cause of lung cancer. This award is to recognize an individual who has demonstrated leadership in reducing the health effects of radon exposure. The award will be given based on the individual's contribution to this effort, on their breadth and scope of services, and commitment to sustained radon risk reduction.

Recipients

2007 – Phil Anthes	2013 – Robert Lewis
2008 – Kevin Stewart	2014 – Marybeth Rich
2009 – Michael Pyles	2015 – Laraine Koehler
2010 – Robert Stilwell	2016 – Angela Tin
2011 – Patrick Daniels	2017 – Clark Eldredge
2012 – William J. Bell	2018 – Bruce Snead

OPENING SESSION

Moderator: Dallas Jones, AARST

Welcome

- Chrys Kelley, CRCPD E-25 Chair
- Dallas Jones, AARST

Radon Policy Briefing - Colorado Legislature

- Representative Dafna Michaelson Jenet (CO)

How Did This Happen?

Keynote Address:

Keynote-Radon: A Look Back and a Look Forward

- Dr. Johnathen Samet, MD, MS (Dean, CO School of Public Health)

If We Could Partner with Mitigators...

HUD's Office of Housing and Radon

- Sara Jensen (HUD)

Why Didn't They Ask?

Radon: Locally and Globally

- Richelle Tolton (IAEA)

Ignorance Thwarts Early Detection

Radon Induced Lung Cancer: Survivors' Stories

- Jan Poulsen (UT)
- Jackie Nixon (PA) - *SHINGLES*
- Rachael Drazen-Malmberg (MN)

Don't Need Sympathy

Mitigator-Builder Partnerships

- Dan Hylland
- Dave Smith
- David Daniels

We Treat Instead of Prevent

Joint Leadership Update

- Jon Edwards - EPA
- Chrys Kelley – CRCPD “*A Partnership Dedicated to Radiation Protection*”
- Dallas Jones – AARST “*2019 Update: Challenges & Opportunities*”

Monday, September 9, 2019

AFTERNOON SESSION

Moderator: Chrys Kelley, CRCPD E-25 Chair

Houses from Heck

- Joshua Kerber (MN) Member, E-25 Committee

EARTH Study (Evaluating and Assessing Radon Testing in Housing)

- Michael Kitto (NY)

Building National Radon Database Progress Report

- Dallas Jones (AARST)
- Eric Brown (CO) - *2019 Lab Data Mapping Updates*
- Michelle Monti (CDC) - *Creating a national radon database in collaboration with national radon testing labs*

NRPP Compliance Solutions

- Dallas Jones (AARST)

Radon Protection for Renters

- Dan Potter (IL)

Two Lies and One Truth (ALA Version of Radon Hotline Calls)

- Angela Tin (UMALA)

TUESDAY SESSION

Moderator: Eleanor Divver, Member, E-25 Committee

Introductions

- Chrys Kelley, CRCPD E-25 Chair

Radon Education for NC Real Estate Brokers

- Phillip Gibson (NC)

Partnering with Tribes on Radon Projects

- Eleanor Divver (UT) Member E-25 Committee - *Environmental Testing on the CTGR*
- Chris Henegan (CT) - *Partnering with Tribal Communities for Radon Awareness in Connecticut*
- Billie Toledo (Prairie Band of Potawatomi Nation) - *Partnering With Tribes on Radon Projects*
- Brandy Toft (Environmental Deputy Director, Leech Lake Band of Ojibwe) *Partnering: Getting things done*
- Billie Toledo (Environmental Technician, Prairie Band Potawatomi Nation (PBPN) *Partnering With Tribes on Radon Projects*

Targeted Radon Testing Campaigns in Pennsylvania Higher Risk Communities 2015 - 2018

- Kevin Stewart (PA)

Radon Release as the Arctic Warms in Alaska

- Art Nash (AK)

Illinois Radon Awareness Challenge

- Kallie Sinkus (IL)

Low Cost Social Media

- Denise Bleiler (PA) Member E-25 Committee

CT's National Radon Action Month Campaign

- Allison Sullivan (CT) Member E-25 Committee

TN RADON PROGRAM "Building Synergy Through Partnerships"

- Jan Compton (TN)

Movie Theater Video Contest - 2019

- John Derosa (IL)

TUESDAY Afternoon SESSION

Moderator: Allison Sullivan (CT) Member, E-25 Committee on Radon

The Alaska Radon Database and public-facing data visualization tool

- Jennifer Athey (AK)

Radon Disparities: Research and Projects

- Dan Tranter (MN)

Risk Communication in Allentown, PA

- Dr Chrysan Cronin (PA)

*Minority Low-Income Operational Viable Economic Solutions for Radon EJ
(Environmental Justice) LUNG Cancer Reduction*

- Nate Burden (PA)

Exploratory Study of ASD Ground Level Exhaust on Radon Re-entrainment

- Brad Turk (PA)

R U Nutz?

- Doug Kladder (CO)

Comparison of Radon Testing Equipment

- James O'Brien (IL)

Much To Do About Radon: A Local Initiative

- Megan DeMasters (CO)

Moderator: Denise Bleiler, Member, E-25 Committee on Radon

Introductions

- Chrys Kelley, CRCPD E-25 Chair

Communicating Radon Risk to Real Estate Agents in Virginia

- Ryan Paris (VA)

Legislative Update

- Doug Farquhar (CO)

Policy Warfare – When Lending and State Radon Policies Collide

- Kyle Hoylman (KY)

RRNC Study – initial results

- Paul W. Francisco (IL)

SIRG Reporting Updates

- Kirsten Hesla (EPA), EPA Resource, E-25 Committee

Making Your Data Work For You: Using Google Analytics and Data Studio to make better informed decisions

- Lilo Santos (CO)

Wednesday, September 11, 2019

BUILDING TECHNICAL CAPACITY TRAINING

Advanced Diagnostics & Optimal Mitigation Workshop

- Instructors: Joshua Kerber/Bruce Snead/Chad Robinson

This highly interactive course is designed to help radon program staff and professionals develop and strengthen diagnostic techniques as well as build confidence to overcome barriers for successful radon reduction. We will examine case studies and technical aspects of succeeding in challenging diagnostic situations. In addition, we will have hands-on activities to demonstrate key airflow and pressure measurements in mitigation and optimal radon fan selection.

Messaging for Behavior Change=Community Based Social Marketing

- Virginia Till (EPA Region 8)

Customizing strategies and messaging for a specific (radon) audience/community resulting in sustained and significant behavior change for improved health in communities.

- *Reaching Your Residents: Social Media for Government Communicators*
- *Messaging for Change: Strategies for Your Tool Box*



Jen Athey is a geologist and Geoscience Information Manager for Alaska's geological survey, a science-focused agency within the Department of Natural Resources. She has 27 years of experience in project management, databases, GIS, geologic mapping, and mineral exploration. She has recently started an environmental geology program at the survey, looking at statewide levels of radon, arsenic in groundwater, and naturally occurring asbestos.



Eric Brown is a Physical Science Researcher and Data Analyst with the Colorado Department of Public Health and Environment. He is with the Colorado Environmental Public Health Tracking Program and Environmental Information Management Unit. Mr. Brown has taught courses in environmental health at the University of Colorado Denver and teaches courses at CDPHE on the use of geographic information systems (GIS).



Nathaniel L. Burden, Jr., Retired, Environmental Services Director for FICS (a subsidiary of Fidelity National Financial) 30+ years in performing radon testing, mitigation, mold, asbestos, lead-based paint and environmental risk management services. PA AARST chapter president. Sit on the panel of National Radon Action Program (NRAP). Attended Carnegie-Mellon University as a Physics major with graduate studies in Nuclear Engineering. Former nuclear operator at the now decommissioned Shippingport

Atomic Power Station -LWBR. Consultant for radon testing, diagnostics, design/evaluation and mitigation for the USDOE-military facilities in Garmisch-Partenkirchen/Augsburg Germany, Livorno, Italy, and Philadelphia Naval Support Facilities. Sit on several AARST/ANSI standards committees. R&D mitigation project with Argonne National Laboratory for the Sudbury Neutrino Observatory. Directed several low-income/environmental justice radon testing/mitigation and risk communication projects. Member of the AARST Foundation and CR3. Former OSHA certified training instructor.



Jan Compton is the Regional Director for the Tennessee Department of Environment and Conservation's (TDEC) Office of External Affairs serving the Johnson City region. With over 19 years of experience with the Department, she seeks to promote, acknowledge, and publicize environmental excellence and State Park advancement in Tennessee. Prior to her recent promotion, Jan served as a program manager for the Office of Policy and Sustainable Practices where she was instrumental in the vision and implementation of Get Food Smart TN and was actively involved in other successful initiatives such as the TN Materials

Marketplace, State Parks Go Green initiative, and management of the TN Radon Program. She graduated from East Tennessee State University with a Bachelor of Science degree in Environmental Health and also completed her Master's degree in the same ETSU program.



Dr. Chrysan Cronin is a professor and director of the public health major at Muhlenberg College in Allentown, PA. Her area of expertise is in radon risk communication, specifically among Spanish speaking groups. Aiming to increase awareness and testing rates in the Latino community in Allentown, Dr. Cronin has conducted face-to-face surveys and focus groups to determine the most effective ways to communicate radon risk. Her research has shown that it is important to consider not only specific channels of communication that are often overlooked when it comes to communicating health risks to Latino

populations, but also the message itself. She will be discussing her research findings and her suggestions for better radon risk communication for a Spanish speaking population.



David Daniels is married with five children and is an Air Force Veteran who started his business in 2000. He currently has offices located in Neenah and Menomonee Falls WI. He has installed over 21,000 systems and conducted 18,000 tests. He currently installs for 20 different builders. David has been an AARST Board Member for 5 years, Vice-President for one year and is current President of AARST.



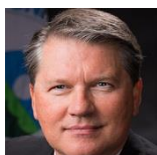
Megan DeMasters completed a Ph.D. in Political Science from Colorado State University in 2017 where she focused on the management and implementation of environmental programs at the state and local levels of government. Megan currently works for the City of Fort Collins in the Sustainability Services Area as a Specialist for Air Quality programs. Her work includes supporting the Healthy homes indoor air quality program, leading the policy work around radon and supporting other air quality programs.



John DeRosa is a Clean Air Director at the American Lung Association where he has been working for over 12 years on various indoor and outdoor air quality initiatives. John was first introduced to radon during his first few months of employment and has had a naturally occurring relationship ever since. John currently spends most of his free time with his wife and two young boys.



Rachael Drazen-Malmberg is President of CanSAR and former collegiate and Olympic level athlete, is a lung cancer survivor who has established a strong presence in driving change related to radon exposure. She has worked with legislators and media to support legislation for testing schools.



Jonathan Edwards became Director of the US Environmental Protection Agency's Office of Radiation and Indoor Air (ORIA) in August 2016. Prior to that he served as Director of the Radiation Protection Division in ORIA, beginning in December 2008. As Division Director, Jon was responsible for several programs including EPA's radiological emergency response program, environmental oversight of the US Department of Energy's deep geological repository known as the Waste Isolation Pilot Plant near Carlsbad, NM, scientific and technical radiation risk assessments, and other radiation protection activities and programs.

Mr. Edwards graduated from the US Naval Academy in Annapolis, MD, in 1985, completed two years of post-graduate nuclear engineering instruction and training, and served on the fast attack submarine USS SPADEFISH (SSN-668) as Main Propulsion Assistant and Assistant Engineer.

Upon leaving the Navy in 1993, Jon began work with the EPA as a health physicist in the radiation program, going on to work with the Office of Science Policy in the EPA Office of Research and Development. In early 2003, at about the time of the creation of the US Department of Homeland Security, Jon served in the Administrator's Office (AO) working on homeland security issues. Jon served with the AO until his assignment as Director, Radiation Protection Division.



Doug Farquhar is an attorney with 30 years experience working with policy makers on environmental and health issues. Primarily working with state legislatures, he has testified 55 times before legislative committees in 32 states, in addition to consulting with state agency staff in every state on enlightening state policy makers. He has written books and articles on state legislative policy and is a columnist for the National Environmental Health Journal.

For the past 25 years, Mr. Farquhar has directed the Environmental Health Program at the National Conference of State Legislatures. This program performs legislative analysis and outreach on state and federal environmental, health and trade laws; focusing on the delegation and authorization of federal and state laws; and provides legal and technical assistance to state legislators and agency staff on state, federal and international environmental, environmental health, and trade policies. He also provides testimony before state legislative committees and task forces; reviews and comments on legislation and regulations, drafts memos, articles and books on state environmental health policies; and represents state interests before federal and international bodies.



Paul Francisco is a Senior Research Engineer and is the director of the Indoor Climate Research & Training (ICRT) group at the Illinois Applied Research Institute at the University of Illinois at Urbana-Champaign. His research focuses on the intersection of energy efficiency and indoor air quality. His projects are primarily conducted in field environments, and includes indoor air quality sampling, energy use logging, and airflow and insulation characterization of buildings. He has conducted numerous field measurement projects on radon in the past decade. Paul also trains practitioners on building diagnostics and healthy home evaluations. He is a former chair of ASHRAE's Environmental Health Committee, and is the current chair of ASHRAE's Residential Buildings Committee.



Phillip Ray Gibson is the NC Radon Program Coordinator. He has served in this capacity with the NC Department of Health and Human Services since 2012. Phillip is a member of the prevention subcommittee of the NC Advisory Committee on Cancer Coordination and Control. Phillip's efforts in statewide education have resulted in several accomplishments. In 2017 the NC Real Estate Commission began requiring mandatory radon education to every NC licensed real estate broker (over 90,000). In 2018 the NC Department of Health and Human Services implemented a mandatory radon education course for every employee of the NC Department of Health and Human Services (over 17,000). The NC State Government Office of Human Resources is working with the NC Radon Program to provide radon education to every North Carolina agency employee in January 2020 (~60,000). In 2018 Phillip was a recipient of the

Kathy Kerr Outstanding Health Education Project Award from the NC Society of Public Health Education for his role in developing the NC Real Estate Commission's mandatory radon education program. Phillip has an M.S. from Southern Illinois University, a B.A. from the University of Louisville, and is a licensed NC Real Estate Broker-in-Charge.



Kyle Hoylman co-founded Protect Environmental in 2005, where he currently serves as its managing partner. He has managed more than 7,500 vapor mitigation projects over the past 12 years, ranging from single family residences and multifamily buildings to schools and large commercial buildings. Kyle currently serves on the EPA Vapor Intrusion Science Advisory Committee and the EPA Radon Leadership Committee, which is responsible for developing the National Radon Action Plan. Kyle also chairs the executive stakeholder committee responsible for overseeing the development and maintenance of ANSI standards for radon measurement and mitigation, serves on the board of the American Association of Radon Scientists and Technologists and is president of the Kentucky Association of Radon Professionals.



Dan Hylland joined the Minnesota Department of Health after 12 years of owning and operating a radon business in southeastern Minnesota. He has tested and mitigated thousands of structures including homes, multifamily buildings, and schools. He entered the radon industry after his father was diagnosed with lung cancer and high radon levels were found in his home.



Dafna Michaelson Jenet is a Democratic member of the Colorado House of Representatives. She represents District 30, which covers a portion of Adams County. She was elected to her seat in 2016, unseating Republican incumbent JoAnn Windholz. Jenet and her husband Michael direct the nonprofit Journey Institute.



Sara Jensen is an Environmental Specialist for HUD's Office of Housing. As the Office's Program Environmental Clearance Officer, she oversees the implementation of environmental policy for multifamily loans.



Dallas Jones is the Executive Director of AARST. With 24 years of radon-related experience in device manufacturing, radon chamber operations, measurement and mitigation services, quality control administration and public policy pursuits, Dallas drafted the original Radon Awareness Act that Gloria Linnertz convinced the Illinois Legislature to pass in 2008, conceived of the American Radon Policy Campaign and co-founded CanSAR.



Michael Kitto is a retired research scientist from the Nuclear Chemistry Laboratory at the New York State Department of Health in Albany, NY. The majority of his research focuses on the occurrence of radon and other radionuclides in air and water, resulting in over 50 peer-reviewed journal publications and 60 speaker presentations. Dr. Kitto is chairman of the AARST Committee to develop radon-in-water protocols, which he will discuss today.



Doug Kladder holds a Chemical Engineering degree from the University of Michigan, and has been intimately involved with the development of radon measurement and mitigation technology since 1984. In his role as Director of the Center for Environmental Research and Technology he and the CERTI Team provide radon training for individuals wishing to become qualified in radon technology as well as maintain their certifications through relevant continuing education programs. As a certified measurement and mitigation professional dealing with radon in the U.S. as well as Europe, Asia and the Pacific Islands, he has dealt with some unique situations providing a resource to CERTI's students. But in his 35 plus years in the radon biz he has also seen a lot of weird things and in this presentation he gets to finally say "R U Nutz! But in an informative way-at least we hope!



Michele Monti is an epidemiologist for the CDC National Center for Environmental Health, Environmental Health Tracking Branch with responsibilities for national surveillance of environmental contaminants associated with chronic diseases, especially drinking water contaminants, pesticides and radon. Prior to joining CDC in 2009, she worked for the Virginia Department of Health as the Director of the Division of Environmental Epidemiology, covering zoonotic and vector borne infectious diseases, toxic substances and waterborne hazards. She has a Master of Public Health (MPH) degree from Virginia Commonwealth University and a Master of Science in Environmental Sciences from the University of Virginia.



Art Nash has worked with housing and energy projects concurrent with providing educational services in Alaska's Interior tribal villages, Southcentral and coastal areas 1990. He became the Alaska SIRG manager in 2013 and has made it his focus to collaborate with other state agencies, nonprofits and other academic departments in efforts to reach out to Alaskan residents per radon. He also manages USDA/HUD/EPA grants on Healthy Homes in which he includes radon education.

Though living close to the Arctic Circle in Alaska, Art is a Colorado native from the Georgetown/Central City area.



Jackie Nixon is a 2015 lung cancer survivor who never smoked. Diagnosed with Stage 1 Adenocarcinoma. Due to early detection, she is 100% cancer free. No chemo, radiation or medication. Joined Citizens for Radioactive Radon Reduction, became the Manager of Marketing & Communications and creator of "CR3 News Magazine" ... the only magazine in the world, dedicated to radon and its lung cancer affects.



Mr. **Jim O'Brien** is a chemist who managed emergency response operations for environmental emergencies resulting from hazardous oil, chemical, biological and radiological releases in the State of Illinois from 1983-2003. Since then he has been in private consulting practice focusing on hazard analysis and development of training for response to chemical weapons, oil, and hazardous materials releases affecting public health and the environment. He has extensive experience with environmental sampling and using portable hazard detection devices.

Additionally, he has volunteered time to the American Lung Association to assist in teaching Radon Measurement and Radon Mitigation training courses as well as supporting radon hazards outreach efforts.



Ryan Paris. Since 1993, Mr. Paris has served in several different capacities for the Virginia Department of Health's Office of Radiological Health (VDH-ORH). Since 2007 Mr. Paris has also served as the VDH Radon Coordinator. This position involves answering various inquiries from the public, government officials and radon professionals. Mr. Paris has also participated in numerous public education efforts and has worked with advertisers, public schools, realtors, radon professionals, local government officials, home builders and home owner associations. He often interacts with the public at large events like health fairs and home shows. He has given presentations to many different groups and has been interviewed numerous times for print, radio and TV reports. One local interview was rebroadcast nationally on the syndicated TV news program "America Now". Mr. Paris was recognized by VDH as a "Public Health Hero" for his work with the radon program in April of 2014.



Dan Potter is a businessman with technical expertise in building science, building trades, and radon mitigation. He is a co-owner of DuPage Radon Contractors, one of the larger companies in the nation. He is Illinois state licensed and NRPP and NRSB certified. He is the President of Midwest AARST, holds a Bachelor's and Master's degree and several technical certifications.



Jan Poulsen is from Salt Lake City, though I was born in Denver. I am married, have two adult daughters, and am currently retired. I was diagnosed with radon induced Stage 3A lung cancer in 2007. I am an event planner and advocate for LUNgevity, and a proud member of the Utah Radon Coalition and the Utah Radon Policy Coalition.



Chad Robinson is the founder of Building Performance Co. His education, BS in Mechanical Engineering, along with his passion for the environment and many years of construction design have led him to focus his expertise on radon mitigation. He is a NRPP and state of Kansas certified radon mitigation and measurement specialist and has personally designed and installed thousands of commercial and residential radon mitigation systems. Chad is the Lead Radon Mitigation Trainer for Kansas State University Engineering Extension, has served on the radon symposium committee for the last 3 years, and chaired the AARST board audit committee for 2 years.



Johnnathen Samet, MD, MS. Since 1993, Mr. Paris has served in several different capacities for the Virginia Department of Health's Office of Radiological Health (VDH-ORH). Since 2007 Mr. Paris has also served as the VDH Radon Coordinator. This position involves answering various inquiries from the public, government officials and radon professionals. Mr. Paris has also participated in numerous public education efforts and has worked with advertisers, public schools, realtors, radon professionals, local government officials, home builders and home owner associations. He often interacts with the public at large events like health fairs and home shows. He has given presentations to many different groups and has been interviewed numerous times for print, radio and TV reports. One local interview was rebroadcast nationally on the syndicated TV news program "America Now". Mr. Paris was recognized by VDH as a "Public Health Hero" for his work with the radon program in April of 2014.



Lilo Santos has been a State Employee with the Office of Information Technology since 2012. He was brought in as an intern during the Google rollout. He has since moved up the ranks and is now the Director of Google Operations for the State. He runs the Google ecosystem for 30,000+ users. He can be reached at lilo.santos@state.co.us



Kallie Sinkus has been a Clean Air Specialist at the American Lung Association since 2015. She received a M.A. in Environmental Studies from the University of Illinois and a B.S. in Biology from Culver-Stockton College (Canton, MO). Prior to the American Lung Association she worked as graduate public service intern at the Illinois Department of Public Health serving as a policy coordinator for the Division of Environmental Health. Kallie resides in Rochester, IL with her boyfriend Ryan and two labs, Jack and Bindi.



David Smith of Radon Remedies started working with builders to provide radon resistant new construction in 1999. His company has since performed more than 10,000 mitigations. His work with builders has procured two EPA grants to study new construction radon mitigation techniques. David is also currently working with the American Lung Association to provide ongoing training for mitigators.



Bruce Snead Bruce Snead is Director of Engineering Extension at Kansas State University and has been a state extension specialist in residential energy, radon and indoor air quality since 1982.

He has conducted radon industry training since 1989, and directs the Midwest Universities Radon Consortium at KSU, with the potential to serve 33 states. radoncourses.com Bruce has also led K-State's role in the Kansas Radon Program for twenty-eight years, and conducts the National Radon Program

Services effort for EPA since 2009, which provides technical assistance through toll free phone lines and online at sosradon.org

The K-State Radon Chamber is operated under Bruce's lead and provides secondary radon chamber services to the US radon industry as an AARST-NRPP Certified Chamber Number SC-1006. ksuradonchamber.org



Kevin Stewart is director of environmental health for advocacy and public policy for the American Lung Association. He assists in the work of the NRAP leadership group. He has managed radon grants under Pennsylvania DEP, for which he was named CRCPD's 2008 Radon Hero. In association with AARST, Stewart has served on its Board of Directors, and currently on several technical committees, including the CNRS's ESC and the NRPP's PAB.



Allison Perry Sullivan currently works as a Supervising Environmental Analyst in the Lead, Radon, and Healthy Homes Radon and has been with the Connecticut Department of Public Health (CTDPH) since January 2005. She came to CTDPH as an Environmental Scientist/Field Team Leader from CDM Inc, New York City. She worked for 5 years at this engineering firm, primarily working on Remedial Investigations on U.S. Environmental Protection Agency (EPA) Superfund sites in EPA Region II (NY, NJ, PR, and USVI). Ms. Sullivan led field teams on projects involving sampling and analyzing groundwater, surface and subsurface soils, sediment, and biota. She gained her radon expertise while working at the U.S. Radium site in Orange, New Jersey. Ms. Sullivan has her B.A. in Environmental Studies from Gettysburg College in Pennsylvania and also studied at the Duke University Marine Lab/ Nicholas School of the Environment in North Carolina.



Virginia Till is recycling specialist and regional lead for EPA Region 8's Sustainable Management of Food initiatives. Virginia is passionate about keeping good food out of landfills and bridging the urban-rural divide to connect urban folks to food and agriculture. Virginia's current work emphasizes collaboration, K-12 schools, and audience-specific messaging for behavior change. Virginia pursues her fascination with growing things by gardening at home and learning about fungi as an amateur mycologist.



Angela Tin is an Environmental and Regulatory Compliance professional with a BA in Physiology and a MS in Cell Biology. After working for 20 years for the Illinois Environmental Protection Agency, she is currently the National Senior Director for the American Lung Association. For the past 14 years, she has partnered with industry, state and local agencies in the promotion of outdoor and indoor air quality programs.

Billie Toledo - As the Region 7 Executive Committee Member on the National Tribal Air Association, Billie Toledo also co-represents on the National Radon Action Plan committee. Her friendly community engagement and partnership practices in the Prairie Band Potawatomi (PBPB) Radon Program increased radon testing and radon mitigation systems in tribal homes. Billie also developed an innovative database using two decades of archived data to identify trends and track radon levels in PBPB homes. Her unique approach to brokering federal and local policy for her tribe has significantly improved public awareness of radon in the PBPB community.



Richelle Tolton currently serves in the Radiation Protection Unit at the International Atomic Energy Agency (IAEA) where her work includes projects on radon and radioactivity in food and drinking water in non-emergency situations. Most recently before joining the IAEA, she was the Radon Program Manager and a Community Liaison for the South Carolina Department of Health and Environmental Control. She holds both a master's and a bachelor's from the University of South Carolina. Connect with her over a cup of tea during the conference.



Dan Tranter is the supervisor of the Indoor Air Unit at the Minnesota Department of Health. He has been with the Indoor Air Unit since 2001 and has a Master of Public Health Degree from the University of Minnesota. The Indoor Air Unit conducts research, education and outreach concerning indoor air quality, especially radon, mold and carbon monoxide. Unit staff also regulate smoking in public places, air quality in enclosed sports arenas, and radon professional licensure.



Brad Turk is a building scientist and president of Environmental Building Sciences, Inc. in Las Vegas, New Mexico, with over 35 years of experience in radon, indoor environmental quality, energy management, and building science. Brad served as a staff scientist at the University of California Lawrence Berkeley National Laboratory where he directed field research on radon measurement and mitigation, indoor air quality, and ventilation in residences, schools, and commercial buildings. Working throughout the US, he has performed some of the founding research in radon measurement, diagnostics and mitigation. He has performed investigations in 'problem' buildings, developed training and guidance materials and programs for a variety of governmental, academic, and private clients, while his company has conducted radon testing and mitigation in many New Mexico homes, commercial buildings and schools. Brad is an author, reviewer, and presenter on numerous radon and indoor environmental quality topics.