



Ralph Moon, PhD, CIAQP, CHMM

Principal Scientist

Dr. Moon specializes in the determination of the cause, origin and duration of water losses associated with insurance claims. In this capacity he conducts site investigations and, when necessary, serves as an expert witness representing either the defendant or plaintiff when an insurance claim seeks resolution in court. Dr. Moon supports his opinions with results obtained from published research studies of which he is a contributing author.

FORENSIC ENGINEERING

Tampa, FL

Ralph.Moon@NV5.com

EDUCATION

Post-Doctoral Fellowship, University of South Florida, Department of Chemistry 1981-1982; Ph.D. Department of Biology, University of South Florida, 1980; MS Department of Biology (Botany), University of South Florida, 1975; BS Department of Biology, Western Michigan University, 1972

EXPERIENCE

39 years

REGISTRATIONS

- Certified Indoor Air Quality Professional (CIAQP)
- Certified Mold Assessor (MRSA 110)
- Certified Hazardous Materials Manager (CHMM)

AFFILIATIONS

Institute of Environmental Studies (IES) Board of Directors, USF; Restoration Advisory Board, MacDill AFB, Co-Chairman, 1995-2004; St. Petersburg Diocese Real Estate Advisory Board, 1999-2014 ; Hillsborough County Minority Business Citizen Participation Committee, Chairman, 2000-2012; ASCE Forensic Engineering Committee; City of Tampa Historic Preservation Committee, Commissioner 2017-2019

FORENSIC ENGINEERING

WATER DAMAGE INVESTIGATIONS OF INSURANCE CLAIMS

PROJECT MANAGER | LOCATIONS THROUGHOUT FL | 1999-2017

Dr. Moon has conducted numerous water damage investigations during 20 years of insurance claims work.

GROUNDWATER INVESTIGATIONS/RISK ASSESSMENT | COMPUTER MICROPROCESSOR MANUFACTURER

CO-PROJECT MANAGER | ALOHA, OR | 1996-2003

The historical release of volatile organic compounds at a solvent storage area prompted a hypothetical risk evaluation of indoor air quality and recovery of ground water plume. Soil gas sampling was performed to detect the presence of volatile organic chemicals. Ground water recovery, microbial treatment technology treatment implemented to attain risk based remediation criteria.

MOLD ASSESSMENT COUNTY LIBRARY | HILLSBOROUGH

PROJECT MANAGER | TAMPA, FL | 1998

This library was situated in an Oak Hammock which limited the amount of available sunlight and encouraged humid conditions. Inspection of the ceiling tile and steel supported crossbeams revealed the abundant growth of mildew parallel to the fluorescent lighting fixtures. Inspection of the building revealed that it was under a negative pressure which allowed the interception of outside humid air to be drawn through the building vents, across the plenum and through the ceiling lights. It was suggested that the building's HVAC system be balanced to achieve a positive pressure. In addition, corrections were made to the air conditioning system to allow the HVAC system to run until the indoor air within the building met a particular humidity requirement.

INDOOR AIR QUALITY | BRITISH-BASED OIL COMPANY

PROJECT MANAGER | NASSAU, BAHAMAS | 1997-1998

Negative pressure within these administrative offices and the proximity of the offices to emissions from a high sulfur fuel boiler resulted in the interception of off gas products and indoor air quality complaints. Dr. Moon performed occupation health sampling and determined that the indoor air quality closely

paralleled the outdoor air measurements exceeded the U.S. Occupational Safety and Health Criteria.

INDOOR/OUTDOOR AIR QUALITY | BAHAMIAN LOCATED PHARMA CO.

PROJECT MANAGER | GRAND BAHAMA, FREEPORT | 198-1998

Severe groundwater contamination resulted in the production and release of hydrogen sulfide vapors that penetrated manufacturing and office facilities at this pharmaceutical plant. The project was initiated following the dissolution of phone lines to the facility and the inability for site workers to occupy portions of several buildings. Dr. Moon's evaluation of subsurface gases revealed that the subsurface conditions were anaerobic and would require both soil vapor extraction and restoration of groundwater. The 10 acre parcel was returned to normal conditions within two years; groundwater conditions were returned to USEPA drinking water standards in six years.

RISK ASSESSMENT | COMPUTER MICROPROCESSOR MANUFACTURER

CO-PROJECT MANAGER | DUPONT, WA | 1997

The proposed construction of a micro processing facility at this former munitions plant prompted an evaluation of inorganic gases and the composition of fugitive dust. The air sampling data was used to perform a risk assessment of air quality residing in the buildings after construction. The outcome of the sampling revealed that conditions were within acceptable occupational safety and health criteria.

QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

As the Principal-In-Charge of NV5's Building Science department, Dr. Moon has been paramount to incorporated indoor air quality testing procedures within the department. In addition to peer reviewing thousands of indoor air quality and cause and origin reports for his department, Dr. Moon has authored 13 published refereed papers, presented his papers at more than 31 conferences and has more than 50 published research papers in industry-leading publications. An abbreviated list of his papers and reports are included below.

PUBLISHED REFEREED PAPERS

- Wells, N., R. Moon, D. Nehrig and R. Mulcahy, 2019. Floor Tile Movement: The Effects of Temperature and Liquid Water Exposure, *Cleaning Science Quarterly*, July .
- Nehrig, D., N. Wells, R. Mulcahy and R. Moon. 2017. Floor Tile Tapping: A Quantitative Analysis, *IICRC Journal*, Fall 2017, Pages 14-22
- Wells, N. and R. Moon, Mold Regrowth after Effective Remediation, *IICRC Journal*, Winter, 2017 Pages 12-17
- Moon R.E. and D.F. Martin, Allelopathic Substances from a Marine Alga (*Nannochloris* sp.) Peer-Reviewed Book Chapter, *The Chemistry of Allelopathy*, Chapter 24, pp 371-380. American Chemical Society, Symposium Series, Vol. 268
- Moon R.E. and D.F. Martin, Assay of Diverse Biological Activities of Material Elaborated by a Marine Blue-Green Alga, *Gomphosphaeria aponina*. *Microbios*, 1981
- Moon R.E. and D.F. Martin Effects of 2- and 4-Hydroxybiphenyl On Cultures of the Red Tide Organism *Ptychodiscus brevis*., *J. of Environmental Science and Health*, 1981
- Moon R.E. and D.F. Martin The Cytolytic Substrate Aponin on *Prymnesium parvum* and *Ptychodiscus brevis*, A Comparative Study., *Botanica Marina*, 1981
- Moon R.E. and D.F. Martin The Polyene Antibiotic Filipin and a Red Tide Cytolytic Agent "Aponin", A Comparative Study., *Microbios*, 1980
- Moon, R.E., T.N. Krumrei, and D.F. Martin An Investigation of Compounds Cytolytic Towards the Red Tide Organism, *Ptychodiscus brevis*.(Davis) Steidinger, from Florida Marine Sediments, , *Microbios*, 1980
- Martin, D.F., T.N. Krumrei and R.E. Moon Comparison of Steroidal Agents Cytolytic Towards Florida Red Tide Organism (*Gymnodinium breve*, *Ptychodiscus brevis*)., *Journal of Environmental Science and Health*, 1980
- Moon, R.E. and D.F. Martin Potential Management of Red Tide Blooms. Treatment with Stored, Concentrated *Gomphosphaeria aponina* Cultures, *Journal of Environmental Science and Health*, 1979
- Fagerberg, W.R., R.E. Moon and E. Truby, Studies on *Sargassum* III. A Quantitative Ultrastructural and Correlated Physiological Study of the Blade and Stipe Organs of *Sargassum filipendula*. *Protoplasma*, 1979
- Dawes, C.J., R.E. Moon and M.A. Davis Photosynthetic and Respiratory Rates in Algae From a Mangrove and Salt Marsh Estuaries: A Comparative Study., *Journal of Estuarine and Coastal Research*, 1978
- Dawes. C.J. , N.F. Stanley and R.E. Moon Physiological and Biochemical Studies on the Iota-carrageenan Producing Red Alga *Euचेuma uncinatum* Setchell and Garner from the Gulf of California., *Botanica Marina*, 1977

- Moon, R.E. and C.J. Dawes Pigment Changes and Photosynthetic Rates Under Selected Wavelengths in the Growing Tips of *Euclima isiforme* (C. Agardh) *J. Agardh var denudatum* Cheney During Vegetative Growth., *British Phycological Journal*, 1976
- Dawes, C.J. J.W. LaClaire and R.E. Moon. Photosynthetic Responses of the Red Alga, *Hypnea musciformis* (Wulfen) Lamouroux, Gigartinales., *Bulletin of Marine Science*, 1976
- Dawes, C.J., J.W. LaClaire and R.E. Moon Culture Studies On *Euclima nudum* J. Agardh, a Carrageenan Producing Red Alga from Florida., *Aquaculture*, 1976

PUBLISHED REFEREED PAPERS

- Moon, R. ATP Testing: Use and Misuse in the Restoration Industry, *Cleaning Science Quarterly*, Fall 2020, (in peer-review)
- Wells, N., R. Moon, D. Nehrig and R. Mulcahy, 2019. Floor Tile Movement: The Effects of Temperature and Liquid Water Exposure, *Cleaning Science Quarterly*, Summer 2019, Volume 1, Issue 3
- Nehrig, D., N. Wells, R. Mulcahy and R. Moon. 2017. Floor Tile Tapping: A Quantitative Analysis, *IICRC Journal*, Fall 2017, Pages 14-22
- Wells, N., Moon, R., Alrafie, N. and B. Davis, Moisture Testing Coating Performance on Metal Materials, 2019 Department of Defense-Allied Nations Technical Corrosion Conference, Kansas City, MO. August 2019.
- Al-Rafie, M. Bass and R. Moon, Elastomeric Coatings: A Qualitative Failure Analysis: 2019 SSPC Annual Coatings Conference, Orlando Florida, February 13, 2019
- Wells, N. and R. Moon, Microbial Growth
- Al-Rafie, N., M. Bass and R. Moon, Elastomeric Coating Failure: Environmental Condition Effects (Temperature and Moisture) American Society of Civil Engineering, 8th Forensic Engineering Congress, November 29-December 2, 2018
- Wells, N. and R. Moon, Duration of Metal Corrosion: Plumbing and Construction Materials, American Society of Civil Engineering, 8th Forensic Engineering Congress, November 29-December 2, 2018
- Nehrig, D. N. Wells, B. Mulcahy and R. Moon, Tile Tap Method: Human and Auditory Analysis, American Society of Civil Engineering, 8th Forensic Engineering Congress, November 29-December 2, 2018
- Wells, N., R. Moon, D. Nehrig and R. Mulcahy, 2019. Floor Tile Movement: The Effects of Temperature and Liquid Water Exposure, *Cleaning Science Quarterly*, Summer 2019, Volume 1, Issue 3
- Nehrig D. C., Yang, and R. Moon. Duration of Loss: Carpet Tack Deterioration Over an Eight Year Wetting Period, American Society of Civil Engineering, 8th Forensic Engineering Congress, November 29-December 2, 2018
- Davis B. and R. Moon, Thickness Swell in Particle Board: A Forensic Tool for Duration of Loss, American Society of Civil Engineering, 7th Forensic Congress, 2015
- Wells, N. and R. Moon, Wood Swelling: Force Exerted from Saturated Wood Materials, American Society of Civil Engineering, 7th Forensic Congress, 2015
- Rubin, K. E. Moore and R. Moon. Can A Single Flood Event Result in Fungal Growth Beneath Tile? American Society of Civil Engineering, 7th Forensic Congress, 2015
- Wells, N. C. Martinez, M. Bass and R. Moon, Metal Corrosion: A Qualitative Analysis, American Society of Civil Engineering, 7th Forensic Congress, 2015
- Moon, R. 2013. Shear Strength Measurements in Building Materials after Submersion in Fresh and Salt Water, Safe and Effective Flood and Mold Remediation after Super Storm Sandy and other Natural Disasters, Bioaerosols Conference, Seaview Hotel, Galloway, NJ, 11-13 March 2013
- Moon, R. 2012. Interpreting Continuous v Repeated Water Damage, American Society of Civil Engineers, IN Forensic Engineering Sixth Congress Proceedings, October 31– November 3, 2012
- Nehrig D. and R. Moon, 2012. Carpet Tack Strips: Determining the Duration of Loss, American Society of Civil Engineers, IN Forensic Engineering 6th Congress Proceedings, October 31– November 3, 2012
- Davis, B., R. Moon and D. Rondy, 2012. Differences in Cabinet Damage Exposed to Water and Water with Detergent, American Society of Civil Engineers, IN 6th Forensic Engineering Congress Proceedings, October 31– November 3, 2012
- Moon, R., M. Bass and C.J. Yang, Fungal Growth Succession on Gypsum Board Wall Assemblies, Indoor Air 2011 Conference Proceedings, Dallas Texas, June 10, 2011
- Moon, R., M. Bass and C.J. Yang, “Fungal Growth Sequence on Wall Assemblies”, 2012, Indoor Air Quality Association Conference Proceedings, March 2012.
- Moon R. and N. Albergo, Aromatic Solvent Bioreclamation in a Highly Anaerobic Aquifer., In *Situ and On-Site Bioreclamation*, The Third International Symposium, 1995
- Boettcher, G.J., R.E. Moon and E.K. Nyer Groundwater Bioremediation System Design: Bacterial Evaluation Phase., In *Applied Biotechnology for Site Remediation*, Eds. R.E. Hinchee, D.B. Anderson, F.B. Metting Jr. and G.D. Sayles, Lewis Publishers, Inc., 1994

- Moon, R.E., E.K. Nyer and K. Chellman. Soil-Gas and Groundwater Bioremediation in Karst Using In Situ Methods, In Emerging Technology for Bioremediation of Metals, Eds. J.L. Means and R. Hinchee, Lewis Publishers, Inc., 1994
- Moon, R. Study of Allelopathic Substances from a Marine Alga. Symposium on "The Chemistry of Allelopathy." Pesticide Division of the American Chemical Society, St. Louis, MI, 1984
- Moon R. and D.J. Gibby Potential Liability of Environmental Professionals: An Uncertain Web, The 7th Annual New England Environmental Expo, Boston, MA, 1995
- Wolka, K.K. and R. Moon, Flow Augmentation in the Fenholloway River Basin, International Symposium on Engineering Hydrology, San Francisco, CA, 1993
- Moon, R.E. and G. Rorech In-Situ Groundwater Bioremediation, , Proceedings from the 48th Annual Purdue University Industrial Waste Conference, West Lafayette, IN, 1993
- Wolka, K.K. and R. Moon Drainage Alteration Program for a Florida River Basin, , Toronto, Ontario, Canada, 1993
- Boettcher, G.J., R.E. Moon, Evan Nyer Groundwater Bioremediation System Design. Bacterial Evaluation Phase, , Proceedings from the In-Situ and On-site Bioreclamation, the Second International Symposium, San Diego, CA, 1993
- Moon, R.E., Evan Nyer, K. Chellman, Soil-Gas and Groundwater Bioremediation in Karst using In-Situ Methods, Proceedings from the In-Situ and On-Site Bioremediation the Second International Symposium, San Diego, CA, 1993
- Moon, R.E., Evan Nyer, Paul Gurney-Read In-Situ Groundwater Remediation in a Karst Aquifer, Pgs 653-660. In: Proceedings from HMC/Superfund Conference, Hazardous Materials Control Resources Institute, Greenbelt, MD, 1992
- Moon, R.E. and Evan Nyer H₂S remediation by In-Situ Biological Treatment, , Pgs. 515-523. In: Proceedings from The Sixth National Outdoor Action Conference, National Ground Water Association, Dublin, OH, 1992
- Moon, R.E., R. Ackart, J.A. Whitehead, and K. Chellman Soil-Gas Remediation of Reduced Sulfur Compounds in a Limestone Aquifer, Proceedings of the First Annual Hazardous Materials and Environmental Management Conference/South, Tower Conference Management Co., Glenn Ellyn, Illinois, Pgs. 431-442, in: Tedder, D.W.(ed), 1991
- Lindsey, W.B., Filardi, R.E., Chatman, S.D., Perkins, L.C., and R.E. Moon Considerations for Discharge of Contaminated Ground Water to a Municipal Sewer System and POTW, , Proceedings for the Hazardous Materials Control Research Institute, Washington, DC, 1989
- Moon, R.E., Groundwater Monitoring: Objectives and Limitations, , Proceedings of the Fourth Annual Hazardous Materials Management Conference, Tower Conference Management Company, Wheaton, IL, 1986
- Moon R.E. and C.D. Henry, Hydrogeological Investigations of Pesticides, , American Chemical Society Symposium Series 315, Evaluation of Pesticides in Ground Water, edited by Garner, W.Y., Honeycutt, R.C., and H.N. Nigg, American Chemical Society, 1986
- Moon, R.E., Point Source Discharge in the Tampa Bay Area, Proceedings Tampa Bay Area Scientific Information Symposium. Report Number 65, Bellwether Press, 1985
- Moon, R.E., Ground Water Monitoring in Florida-Living with Hydrologic and Regulative Peculiarities, National Water Well Association. Fifth Symposium and Exposition on Aquifer Restoration and Groundwater Monitoring, 1985
- Moon R.E., and D.F. Martin Study of Allelopathic Substances from a Marine Alga, , American Chemical Society (ACS) Symposium, 1984
- Eng-Wilmot, D.L., B.J. Henningsen, D.F. Martin, and R.E. Moon Model Solvent Systems for Delivery of Compounds Cytolytic Towards *Gymnodinium breve*, Second International Conference on Toxic Dinoflagellates Blooms. Eds. Selinger, Taylor, Elsevier North Holland, 1979

PUBLISHED REPORTS

- Wells, N. and R. Moon, 2019. The Impact and Cause of Microbial Growth in HVAC Systems, in preparation..
- Moon R. , Professional Evolution: Tips from the Air Quality Expert Witness, IAQA EJournal, October, 2017
- LeJeune, J. and R. Moon, 2017 "50 More Shades of Moisture", Claims Management Magazine, February 2017, Pages 30-35
- Wells, N. Castellano P. and R. Moon, 2016, "Comfort Zone: Why Thermostat and Humidistat Wiring Matters, Claims Management Magazine, October, pages 32-35
- Moon, R., Restorers and Insurers: A Wary Relationship on a Precipice, Cleaning and Restoration, Nov-Dec. 2015.
- Moon R., and J. Wilemon, 50 Shades of Moisture, Claims Management Magazine August Volume 4, Issue 8, pages 34-38

- B. Davis, R. Moon and A. Moon. "Bubble Trouble, Limiting Mold Liability when Working with Immunocompromised Insured", Claims Management Magazine, Issue 4, Volume 4, pages 32-36
- J. Wilemon and R. Moon, 2015. "Dirty Rotten Fungi, A Breakdown of the Types of Wood Decay in Claims." Claims Management Magazine, January, Issue 1, Vol. 4. pages 34-37
- N. Wells and R. Moon, 2014. Cracking Under Pressure, The Consequences of Moisture Absorption and Effects of Swelling Pressure in Water Loss Claims. Claims Management Magazine, July, pages 36 -41
- R. Moon, B. Davis, M. Bass and N. Wells, 2013. Screw and Nail Pull Strength of Wood Materials Exposed to Salt and Fresh Water, Claims Management Magazine, July, pages 26-30
- D. Nehrig, R. Moon and E. Haller, 2013, Why So Down? The Science Behind Ceiling Fan Blade, Claims Management Magazine, April, pages 46-51
- R. Moon and A. Moon. 2013. Continuous and Repeated Water Exposure, Claims Management Magazine, February, pages 40-45
- R. Moon, G.C. Lozier and S.M. Vantassel, 2012. The 411 on Raccoon Scat, Claims Management Magazine, May 2012, Issue 5 Volume 1, Pages 28-31
- R. Moon and G. C. Lozier, 2011, Hoarding: An Investigative and Insurance Policy Challenge, Claims Advisor, Winter, Pages 50-55
- Davis, B., D. Rondy and R. Moon, 2011, Drip, Drip, Drip: Cabinet Damage, Claims Advisor, Fall issue, Page 46-51
- Wileman J. and R.E. Moon Cave-People Claims, Claims Advisor, Fall Issue, 2010, Pages 12-17
- Nehrig D. and R. Moon, Carpet Tack Strips: Estimating the Duration of a Water Loss, Test Your Claims Knowledge, PLRB, July 2010
- Nehrig, D. and R.E. Moon Swept Under the Rug, Claims Advisor, Summer Issue. Pages 38-41
- Moon, R. E., S. M. Eddy and K. Rubins, Gypsum Board, Response to Moisture Absorption, Cleaning and Restoration, May 2010, Pages 28-30
- Moon, R.E. and J. Barkey, Common Problems with Residential Air Conditioning in a Hot, Humid Environment Cleaning & Restoration, March 2010, Volume 47, No. 3. Pages 20-21
- Moon R.E. and J. Wilemon Feeling the Heat: Hot water can warp adjuster's perspective on water-damaged wood composite materials, Claims Advisor, pages 48-52, Fall 2009
- Moon, R. E. and R. Price Absorbent Building Materials: Quantifying Moisture Exposure Duration, , Claims Magazine, Vol. 57, No. 9, September 2009
- Herrmann D. and R.E. Moon, Ph.D All Backed Up,. Claims, Claims Magazine, August 2007
- Moon, R. E., Drying on the Molecular Level., Cleaning and Restoration. Vol. 43, No. 11, November 2006
- Moon, R.E., High Temperature Restoration (>120°F): Effects on Building Materials, Contents and Safety, Part 3: Cleaning and Restoration. Vol. 43, No. 7, July 2006
- Moon R.E. High Temperature Restoration (>120°F): Wood and Adhesives, Part 2: Cleaning and Restoration. Vol. 43, No. 6, June 2006
- Moon, R.E. High Temperature Restoration (>120°F): Effects on Microorganisms and High Temperature Procedures, Part 1: Cleaning and Restoration. Vol. 43. No. 5, May 2006
- Moon, R. E., De-wei Li, Ph.D. and Chin Yang, Ph.D. Mould-Contaminated Fabrics: Cleaning Effectiveness Comparison, Part 1 2004. Cleaning and Restoration, Vol. 41, No. 10, 2004
- Moon, R.E. De-wei Li, Ph.D. and Chin Yang, Ph.D. Mould-Contaminated Fabrics: Mycotoxin Removal and Transfer, Part 2. Cleaning and Restoration, Vol. 41. No. 11, 2004

PRESENTATIONS

- Moon, R. and R. Schulte, Duration of Water Losses: Adjuster Inspections to Expert Opinions, United Property and Casualty Insurance, February 28, 2020, St. Petersburg, FL
- Moon R. Wood Materials and Moisture Absorption: A Building Science Principal, Indoor Air Quality Association Annual Meeting, February 19-29, 2020, Palm Beach, FL
- Moon R., Cabinets: Understanding Duration of Loss ASI/Progressive Insurance Company, St. Petersburg, FL January 24, 2020.
- Moon R. Preparing for a Deposition, Healthy Homes Summit, October 16-18, 2019, Seven Springs Resort, Champion PA
- Moon R. Particle Board Materials and Cabinet Damage/Floor Tile Tapping and Effects of Heat and Moisture on Tiles, Vault Insurance Corporation, St. Petersburg, FL, September 19, 2019
- Moon R. Moisture Testing Coating Performance on Metal Materials, 2019 Department of Defense-Allied Nations Technical Corrosion Conference, Okalahoma City, Oklahoma. August 13-15, 2019.

- Moon, R. The Necessity of Paradigm Shifts in the 21st Century, Cleaning Industry Research Institute (CIRI) Science Symposium 2019 July 15-17, Miami University
- Moon R. Duration of Loss: Using Wood Deterioration and Metal Corrosion Studies, ASCE Teleconference Training Session, April 18, 2019.
- Wells N. and R. Moon, Clearing the Air: The Impact and Cause of Microbial Growth in HVAC Systems, ASHRAE National Meeting, January 15, 2019, Atlanta, GA
- R. Moon, Pipe and Metal Corrosion: Reasons for Failure, HomeOwners Choice, March 8, 2019, Tampa, FL
- R. Moon, Condensing the Claim Inspection Schedule with Virtual Consulting, February 22, 2019, Yankee Stadium, Tampa, FL
- R. Moon, K. Kubiak, Esq. R. Horwitz, Esq. A Legal and Scientific Perspective: The First 14 Days of Water Exposure, Windstorm Insurance Network, January 30-Feb 2, 2019, Orlando, FL
- R. Moon, Duration of a Water Loss: Building Material Performance, Stillwater Insurance, January 30, 2019, Tampa, FL
- R. Moon, Fabric and Building Materials: Mold Growth, Meeting of the Minds, January 19, 2019, Fort Lauderdale, FL
- R. Moon (co-presenter) with N. Wells. Microbial Growth in HVAC Systems, AHR Expo, Georgia World Congress Center, January 14-16, 2019 Atlanta, GA
- R. Moon, Understanding Moisture Penetration of the Drainage Plane: A Principal of the Building Sciences. Indoor Air Quality Association Annual Meeting, January 14-16, 2019, Atlanta, GA
- R. Moon and R. Schulte, Esq. The Science of Tile Tapping and Debonding: Separating Fact from Fiction, December 4, 2018, Tampa, FL
- R. Moon, Tile Tap Method: Human and Auditory Scientific Analysis, American Society of Civil Engineering, Forensic Engineering Congress, , December 2, 2018, Austin, Texas
- R. Moon, Duration of Loss, History of Cabinet Design/ Water Damage, Tile Tapping Methods, Vapor Drive, Drainage Plane, October 27, 2018 GHD Office, Franklin, TN
- R. Moon, Cause and Origin of Water Losses: An Expert Witnesses Perspective, Security First Insurance Corporation, 1 October 2018, Ormond Beach, FL
- R. Moon, Tile Tapping and Debonding: Separating Fact From Fiction, HomeOwners Choice, 14 September 2018, Tampa, FL
- R. Moon Pipe and Metal Corrosion: Reasons for Failure, Banker Insurance Company, 10 August 2018, St. Pete, FL
- R. Moon – The Science of Tile Tapping and Debonding: Separating Fact from Fiction. FIFEC Conference, June 6 and 7, 2018, Orlando, FL
- R. Moon – Cause and Origin of Water Losses, An Experts Perspective, Citizens Property Insurance Corporation, Deerfield Beach, FL May 31, 2018
- Chin Yang and R. Moon – Advance Indoor Mold & Microbiology: Inspection, Sampling & Testing , Results Interpretation, & Legionella, Orlando FL, May 11, 2018
- R. Moon, Tile Debonding – Real or Preexisting condition, Steinbrenner Field, Tampa, FL. February 21, 2018
- R. Moon, Negative Pressure: An Insidious Threat to Structures, Indoor Air Quality Association, National Convention, Chicago, IL January 23, 2018.
- R. Moon and R. Schulte, Deposition Training, It's not only about the truth – It's about your skill of Persuasion, December 6, 2017, AAA Insurance Company, Tampa, Florida
- R. Moon, Scott Rosso and Nicole Wulwick, The Money Pit: Walking Through a Post-Claim Inspection, Tampa, FL, November 17, 2017
- R. Moon and D. Nehrig, Research to Practice: Duration of Loss, Floor Tile Tapping and Moisture Exposure, Healthy Buildings Summit 2017, Seven Springs, Pennsylvania, Nov 1-3
- R. Moon, N. Wells, D. Nehrig and B. Mulcahy, The Effect of Moisture Absorption on Tile and Abutted Materials, and The Use of Tile Tapping as an Investigative Tool, The IICRC Summit at Lone Mountain, August 9-11, 2017, Big Sky, Montana
- Florida Insurance Fraud Education Committee (FIFEC) The Fine Line Between Fraud and Claim Denial in Plumbing Losses, Orlando, Florida, June 7-9, 2017,
- Duration of Loss: Wood Building Materials, Cabinetry: Historical Perspective and Water Damage, The Tile Tap Method, Frontline Insurance Company, May 24, 2017
- The Daubert Standard, the Scientific Method, and What it Means to Insurance Investigations, Courtney Siders, Groelle and Salmon and Ralph Moon, GHD. National Association of Subrogation Professionals, May 16, 2017
- Applied Research on Cause, Origin and Duration of Loss, Olympus Insurance Company, Jupiter, Florida, March 21, 2017
- Applied Research on Duration and Causation of Loss and Occupational and Occupant Exposure, Sampling

Strategies and Working with Consultants and Project Stakeholders Second Annual Indoor Environmental Sciences Forum, Tampa, FL, February 22-23, 2017

- Cabinetry: Historical Perspective and Water Damage, HomeOwner's Choice Insurance, Tampa, FL, February 18, 2017.
- Water Damaged Particle Board Cabinets: Duration of Loss, IAQA 2017 Annual Meeting, Las Vegas, NV January 30-February 1, 2017
- Copper Tubing Failure and Metal Corrosion, Water-Damaged Cabinet Materials: Duration of Loss, Newberry, FL, January 20, 2017
- Who, What Where & How to Handle Wind and Water Damage, Kubicki Draper Training Seminar, Tampa, Florida, May 20, 2016
- The Effect of Restoration Processes on Building Structures and Furnishings: Moisture Content and Wood Materials, IICRC /CIRI Restoration Technical Conference & Symposium, Georgia Technical Institute, Atlanta, GA, April 9-11, 2016
- Restorers and Insurers: A Wary Relationship on a Precipice! Panel Discussion, International Restoration Convention, Orlando, Florida March 21-23, 2016.
- Defending Storm-Related Claims: Adjuster Preparation, Legal Strategies and Expert. Windstorm Conference, Orlando, Florida February 2&3, 2016.
- "Pipe and Metal Corrosion", Homeowners Choice Insurance Company, Tampa, Florida, January 15, 2016
- "Gathering a Scientific Basis for a Fraudulent Claim", John Eastern Company, Bradenton, FL November 11, 2015
- "Scoping & Restoring Water Loss Intrusion Supported by Science & Research", Healthy Buildings Summit, Research to Practice, Seven Springs Mountain Resort, Champion, Pennsylvania October 1 & 2, 2015
- "Duration of Loss", Safe Point Insurance Company, Tampa, Florida, July 16, 2015.
- "Defending Against Fraud: Pre-Suit Investigations and Litigation Strategies Parts 1 and 2", Florida
- Insurance Fraud Education Committee, Orlando, Florida June 10-12, 2015.
- "Does the Scientific Evidence Match the Circumstances of the Loss?" ROL Summit, Tampa, Florida May 1, 2015
- "Duration of Loss, Fungal Decay and Deterioration", Homeowners Choice, Tampa, Florida May 1, 2015.
- "Expert Witness: It's about more than the truth - It's about your skill of Persuasion", Cole Scott and Kissane, Allstate Insurance Company, CEU Credit, November 4 2014, St. Petersburg Florida
- "Confidence Dealing with HVAC Claims", Amerisure Insurance Company, 29 October 2014, Tampa, Florida
- "Duration of Loss, Fungal Decay and Deterioration", Bankers Insurance Company, 23 October 2014, St. Petersburg, Florida
- "Why do Windows Leak and Who is to Blame?", "Cabinet History and Cabinet Duration of Loss", Frontline Insurance Company, October 9, 2014, Lake Mary, Florida
- "Fraud in Water Damage Claims", 29th Annual Seminar & Expo on Insurance Fraud, September 14-17, 2014, Greensboro, NC
- "Duration of Loss and Cabinetry: Historical Perspective" September 10, 2014, Newberry, Florida
- "Expert Witness: It's about more than the truth - It's about your skill of Persuasion", with Kubecki-Draper, CEU Credit, June 19, 2014, Tampa, Florida
- "Expert Witness: Its about more than the truth - It's about your skill of Persuasion", with the Rock Law Group, CEU Credit, June 5, 2014, Bradenton, Florida
- "Mold, Moisture and Buildings", AIG Jersey City, New Jersey, May 1, 2014.
- "Industrial Hygiene/Mold and Insurance Claims", AIG Jersey City, New Jersey, April 30, 2014
- "Moisture Absorption, Duration and Pressure Relationships", CLM Meeting, Pennsauken Country Club, Pennsauken, New Jersey, April 29, 2014
- "Expert Witness: It's about more than the truth - It's about your skill of Persuasion", Restoration Industry Association (RIA), April 10, 2014, Orlando, Florida.
- "Cabinetry: Historical Perspective and Water Damage" CEU Seminar, AIG Private Client Group, April 2, 2014, New York, NY
- "Embrace change . . . before it embraces you." FRSTeam Conference, 28 March. 2014, Hilton Head, South Carolina.
- "Physical Evaluation of Building Materials Exposed to Moisture", Eberl Claim Conference, Las Vegas, Nevada, February 19, 2014
- "Duration of Loss and Pressure Measurements from Wet Building Materials", CRA Webinar, Tampa, Florida, February 14, 2014
- "Duration of Loss, Pipe Corrosion and Failures", USAA Insurance, Tampa, Florida, February 11, 2014.

- “What is Damage?” Windstorm Conference with Adrian Arkin, Esq. Lauren Levy, Esq. and Bobby Sims, January 28-30, 2014.
- “Cabinetry: Historical Perspective and Water Damage” CEU Seminar, Hilton Orlando, Altamonte Springs, Florida, 17 December 2013
- “Vapor Drive: A primary element of water damage”. Webinar for Regional Environmental Managers, Wells Fargo Bank, NA Tampa, Florida 15 November, 2013
- “Duration of Loss: Repeated and Continuous Water Losses”, Heritage Insurance Company, Tampa, Florida, 31 October 2013
- “The Use of Scientific Research to Explain Property Damage Claims”, Atlantic Claims Executive Association Meeting, Fall Workshop, October 6-8, 013, Omni Hilton Head Oceanfront Resort, Hilton Head, SC
- “Cabinetry: Historical Perspective and Water Damage” CEU Seminar, Allstate Insurance Company, St. Petersburg, Florida, 3 October 2013
- “Why Windows Leak”, CEU Seminar, Homeowners Choice Insurance Company, Tampa, Florida 26 July 2013
- “A Journey through the Litigation Process”, CEU Seminar, IGFA Fishing Hall of Fame, Dania Beach, Florida, 27 June 2013
- “Duration of Loss: Repeated and Continuous Water Losses”, American Integrity Insurance Company, Tampa, Florida, 17 May 2013
- “Duration of Loss: Repeated and Continuous Water Losses”, Homeowners Choice Insurance Company, Tampa, Florida, 10 May 2013
- “Duration of Loss: Repeated and Continuous Water Losses”, Bankers Insurance, ST. Petersburg, Florida 26 March 2013
- “Interpreting Continuous and Repeated Water Damage, Shear Strength Measurements in Building Materials after Submersion in Fresh and Salt Water”, CEU Credit Class, Amway Center, Orlando, Florida 8 March 2013
- Interpreting Continuous and Repeated Water Damage, Shear Strength Measurements in Building Materials after Submersion in Fresh and Salt Water, RJMW Catastrophe Conference, Puerto Rico, USA, 6 March 2013
- Water Damage, Safe Harbors Claims, CEU Credit, Water Damage Claims: The Investigation, Deposition and Trial Process with Cole, Scott and Kissane, Tampa, Florida. 21 February 2013
- Can Water Damage Be Aged?: The Dating Game, Windstorm Insurance Conference with Adrian Arkin, Esq. January 30 and 31, 2013.
- Water Damage Claims: The Investigation, Deposition and Trial Process with Cole, Scott and Kissane, Tampa, Florida. 30 November 2012
- Interpreting Continuous v Repeated Water Damage and Differences in Cabinet Damage Exposed to Water and Water with Detergent, 2012. American Society of Civil Engineers, 6th Congress on Forensic Engineering, San Francisco, CA, 3 and 4 November, 2012
- Building Defect Claims: Continuous and Repeated Water Damage, Butler Pappas, Tampa, Florida, October 26, 2012
- Continuous and Repeated Seepage, Pipe Corrosion, Homeowners Choice, Tampa, Florida , 28 September 2012.
- Continuous and Repeated Seepage, Building Materials Exposed to Repeated Water , Tampa, Florida, Groelle and Salmon Seminar, 14 September 2012
- Repeated Water Damage to Wood Building Materials, Residential Window Installation: Subrogation Potential, Amerisure Insurance, St. Petersburg, Florida 10 August 2012
- Why Window Leak and Humidity Control in Hot, Humid Climates, University of South Florida, Department of Engineering, June 25, 2012.
- Interpreting Continuous v Repeated Water Damage, American Society of Civil Engineers; Forensics. October 2012 San Diego, California (Accepted)
- Why Windows Leak, Southwest Florida Claims Association, May 3, 2012. Fort Myers, Florida
- Duration of Loss, Homeowners Choice, Tampa, Florida, March 23, 2012
- New v Old Construction, Water Losses and Duration of Loss, INS, Maitland, Florida March 20, 2012
- IAQA 15th Annual Meeting & Indoor Air Expo, Fungal Growth Sequence on Wall Assemblies, Las Vegas, Nevada, March 5-7, 2012
- Worley Claims Conference, Duration of Loss, Houston, Texas, February 9-10, 2012.
- 2012 Windstorm Conference, Repeated Water Exposure, Orlando, Florida. January 30-31, 2012.
- Duration of Loss, Nationwide Insurance Company, Gainesville, Florida, 14 December 2011
- Duration of Loss, Amerisure Insurance Company, St. Petersburg, Florida 30 November 2011
- Residential Window Installation: Elements of Subrogation, National Association of Subrogation

- Professionals (NASP), Annual Conference, Orlando, Florida
- Duration of Loss, Auto Owners Insurance, Indianapolis, Indiana, 12 October 2011
- Duration of Loss, Expert Witness Mock Trial, Henderson Franklin Attorneys at Law, Tampa, Florida, 29 September 2011
- Constant, Repeated, Seepage or Leaking of Water, Groelle & Salmon, 8th Annual Claims Seminar, Lake Mary, Florida 26 August 2011
- Duration of Loss, Encompass Insurance Company, Atlanta GA, 24 July 2011
- Old v. New Construction: Water Loss Evaluation, Cincinnati Insurance Company, Gaffney, SC, 27 July 2011
- Old v New Construction: Water Loss Evaluation, Travelers Insurance Company, Charlotte, NC. 27 July 2011
- Mock Trial: The Use and Basis of Demonstrative Exhibits in a Case Involving Alleged Violation of the Clean Air Act's NSR/PSD Regulations, Air & Waste Management Association, 104th Annual Conference and Exhibition, Orlando, Florida, 24, June 2011
- Duration of Loss, IMS Independent Insurance Adjusters, Bradenton, Florida, 23 June 2011
- Humidity Control/Moisture Management, Insurance Network Services, Orlando, Florida, 22 June 2011.
- Fungal Growth Succession on Gypsum Board Assemblies, Indoor Air 2011, Austin, Texas, 10 June 2011
- Why do Windows Leak?, Humidity Control, Capital Preferred, Tallahassee, FL, 18 May 2011
- Humidity Control, Southern Loss Association, Atlanta, GA, 12 May 2011
- Duration of Loss, United Property, St. Petersburg, FL, 10 May 2011
- Duration of Loss, Allstate Insurance Company, Maitland, FL, 28 April 2011
- Duration of Loss, St. Johns Insurance Company, Columbia, NC. 27 April 2011
- Mold Remediation, Home Wise Insurance Company, Tampa, Florida 4 March 2011
- Duration of Loss, Allstate Insurance Company, Ft. Lauderdale, Florida 2 March 2011
- Duration of Loss, Allstate Insurance Company, St Petersburg, FL, 24 February 2011
- Duration of a Water Loss, Eberl's Claim Conference, Nashville, TN, 23 February 2011
- Duration of a Water Loss, Windstorm Conference, Houston TX., January 24-27, 2011
- Duration of Loss, Orlando Claims Conference, Orlando, Florida, 13 January 2011
- Duration of Loss, Sunshine State and NCA Group, Orlando, Florida 28 October 2010
- Duration of Loss, Amica Insurance Company, Tampa, Florida, October 26, 2010
- Duration of Loss, South Florida Claims Association, Fort Lauderdale, Florida 7 October 2010
- Duration of Loss, West Coast Claims Association, Tampa, Florida 16 September 2010
- Duration of Loss, Winkler Treger & Associates, Clearwater, Florida 2 September 2010
- Duration of Loss, Peoples Trust Insurance Company, Fort Lauderdale, Florida, 6 August 2010
- Duration of Loss, CatManDo Insurance Adjusters, Brandon, Florida, 27 July 2010.
- Duration of Loss, Jacksonville Claims Association, Jacksonville, FL, 22 June 2010
- Duration of Loss, Sawgrass Insurance Company, Orlando, Florida 4 June 2010
- Duration of Loss, Spring CEU Training Session, Ft. Lauderdale, FL, Fishing Hall of Fame, 27 May 2010
- Duration of Loss, Mississippi Claims Conference, Mobile, AL, 26 May 2010.
- Duration of Loss, Old v New Construction, Frontline Insurance, 20 May 2010, Lake Mary, Florida
- Duration of Loss: Materials Exposed to Moisture, Sunshine State Insurance/NCA Group, 18 May 2010, Indianapolis, IN.
- Why Do Windows Leak? Texas Windstorm Conference, Dallas, TX, 11 May 2010
- Duration of Loss: Materials Exposed to Moisture, Assurant Insurance Company, Atlanta GA, 10 May 2010
- Duration of Loss: Materials Exposed to Moisture, CEU Training Class, Atlanta, GA, 5 May 2010
- Why Do Windows Leak?, Duration of Loss: Materials Exposed to Moisture, Equity Claims, Inc. Sarasota, Florida 21 April, 2010
- Why Do Windows Leak? Spring CEU Seminar, Lee County Sports Complex, Hammond Stadium, Ft. Myers, Florida, 11 March 2010

- Duration of Loss; Materials Exposed to Moisture, Continuing Educational Course, Pensacola, Florida, 9 March 2010.
- Duration of Loss: Materials Exposed to Moisture, Why do Windows Leak?, RJMW CAT Conference, San Antonio, Texas, 2-3 March 2010.
- Eberl's Claim Conference: Duration of Loss: Materials Exposed to Moisture, San Antonio, Texas, 17 February 2010
- Duration of Loss: Materials Exposed to Moisture, Southern Claims Association, Continuing Educational Seminar, Atlanta, Georgia, 11 February 2010,
- 2010 Windstorm Conference, Why Do Windows Leak?, Jacksonville, Florida. 27 January 2010
- Why Do Windows Leak? and Duration of Loss: Materials Exposed to Moisture, Savannah, Georgia, Continuing Educational Seminar, 21 January 2010
- Why Do Windows Leak? and Duration of Loss: Materials Exposed to Moisture, Omaha, Nebraska, General Indemnity, 14 January 2010
- Why Do Windows Leak?, Continuing Educational Seminar, Pensacola, Florida, 8 January 2010
- Duration of Loss: Materials Exposed to Moisture, Why do Windows Leak?, Continuing Educational Seminar, Tampa, Florida, 3 December 2009.
- Duration of Loss: Materials Exposed to Moisture, Continuing Educational Seminar, Orlando, Florida, Orlando Science Center, 8 October 2009.
- Cause and Origin of Water Damage, Peoples Trust Insurance Company, Fort Lauderdale, Florida, 15 September 2009.
- Duration of Loss & Pipe Corrosion, Encompass Insurance Company, Duluth, GA, 20 August 2009.
- Duration of Loss: Materials Exposed to Moisture, Hammond Stadium, Fort Myers, Florida, 7 August 2009.
- Moisture Management during Commercial Building Construction, Beck Construction Company, Tampa, Florida 10 July 2009.
- Duration of Loss & Pipe Corrosion, Insurance National Services, (INS), Columbia, South Carolina, 25 June 2009.
- Duration of Loss: Materials Exposed to Moisture, HSA Insurance Training Course, Pensacola, Florida 11 June 2009
- Duration of Loss: Materials Exposed to Moisture, Groelle and Salmon, LLC., Ft. Lauderdale, Florida, 29 May 2009
- Duration of Loss: Materials Exposed to Moisture, and Pipe Corrosion and Leaks, Citizens Property Insurance Corporation, Jacksonville, Florida, 22 April, 2009.
- Duration of Loss: Materials Exposed to Moisture, United Property and Casualty, St. Petersburg, 2 April 2009.
- Duration of Loss: Materials Exposed to Moisture, and Pipe Corrosion and Leaks, Bankers Life and Casualty, St. Petersburg, Florida, 24 March 2009
- Interpreting Hurricane Damage, Subtle Indications of the Duration of Damage, Windstorm Conference, 26-28 January 2009, Orlando, Florida
- Old v New Construction, Pipe Corrosion and Leaks, National Association of Catastrophe Adjusters, 19-22 January, 2009, Las Vegas, Nevada
- Pipe Corrosion Leaks, ICU Claims Service, 15 January 2009, Lutz, Florida.
- Cause and Origin: New and Old Construction, Pipe Corrosion and Leaks and Moisture Control, 11 December 2008, Savannah, Georgia
- Moisture Control, 4 December 2008, Tampa, Florida
- Commercial Construction: Moisture Problems, Hawkins Construction Company, 25 October 2008, Clearwater, Florida
- Pipe Corrosion and Leaks and Moisture Control, Tallahassee Claims Adjusters, 22 October 2008, Tallahassee, Florida
- Pipe Corrosion and Leaks, Insurance Adjuster CEI Training Courses, 15 August, 2008, Orlando, Florida
- Mold Remediation: Identifying Effective Contractors and Consultants; Pipe Corrosion and Leaks and Moisture Control, Metlife Insurance, 6 & 7 August 2008, Charlotte, North Carolina.
- Pipe Corrosion and Leaks: Insurance Adjuster CEI Training Courses, 1 August 2008, Fort Myers, Florida
- Moisture Control in Condominiums; Insurance Adjuster CEI Training Course, 17 July 2008, Pensacola Florida.
- Moisture Control in Condominiums, West Coast Claims, 15 May 2008, Tampa, Florida
- Hurricane and Mold, American Integrity Insurance, 12 May 2008, Tampa, Florida
- Pipe Corrosion and Leaks, National Fishing Hall of Fame, Ft. Lauderdale Florida, Spring CEU Seminar 4 April 2008
- Eberl's Claim Service's 2008 Claims Conference "Cause and Origin: A comparison between old and new construction", Dallas Texas, 20 February 2008

- Supplemental Claims after the Storm, 2008 Windstorm Conference, Jacksonville, Florida, 4-7 February 2008
- Piping Leaks: Galvanized, Copper, PVC and Polybutylene. American Strategic Insurance, St. Petersburg, FL, 31 January 2008
- Water Damage Cause and Origin & Moisture and Mold Remediation, Lowes, Charleston, North Carolina, 24 January 2008
- Pipe Corrosion and Leaks, Insurance Adjuster CEU Credit Training, 17 January 2008
- Pipe Corrosion and Leaks, Holiday Insurance Adjuster CEU Credit Class, Tampa, Florida, 13 December 2007
- Cause and Origin of Water Damage, Pipe Corrosion and Leaks, Humidity Control, Homewise Insurance, Johns Eastern, Sarasota, Florida, 30 October 2007
- Pipe Corrosion and Leaks, Humidity Control, Nationwide Insurance, Tampa, Florida, 25 October, 2007.
- HVAC in a Hot Humid Environment, Orlando Claims, Maitland, Florida, 13 September 2007
- Cause and Origin: New and Old Construction, Mercury Insurance Company, St. Petersburg, Florida, 12 September 2007
- Water Damage, Florida Insurance Guarantee Association, Jacksonville, Florida 29 August 2007
- Cause and Origin of Water Damage, Encompass Insurance, Atlanta, Georgia, 28 August 2007
- Cause and Origin: New and Old Construction, CEU Courses, Ft. Myers, Florida, 23 August 2007
- Cause and Origin of Water Damage, HSA Training Center, Tampa, Florida, 20, June 2007.
- Behavior of Water; New and Old Construction, Metlife Insurance Company, Charleston, N.C. 14 June 2007
- Catastrophe Drying: Ensuring payment and avoiding litigation, Sewage Losses on concrete; A microscopic view of cleaning, Water Out Annual Convention, Beau Rivage Casino and Resort, Biloxi, MS, 6 June 2007
- Cause and Origin of Water Damage, New and Old Construction, Haas, Dutton, Blackburn, Lewis & Wainoris, P.A. Spring 2007 Property Insurance Seminar, Marriott Waterside Hotel, 21 May 2007
- Cause and Origin of Water Damage, IMS Claims Service, Bradenton, Florida, 18 April, 2007
- The Behavior of Water: Lozano Insurance Adjusters, Inc., Ft. Lauderdale, Florida, 8 March 2007
- The Behavior of Water in New Construction: Piedmont Claims Association, Greenville S.C. 5 March 2007
- New Construction and Related Problems: Liberty American Insurance Company, St. Petersburg, Florida, February 26, 2007
- Cause and Origin: A Comparison Between Old and New Construction, Windstorm Insurance Network, Tampa, Florida, January 30 and 31, 2007.
- The Behavior of Water, York STB Insurance Adjusters, Ft. Lauderdale, FL, January 9, 2007.
- Water Damage Claims in New and Old Homes: A Comparison. York STB Insurance Adjusters, Jacksonville, FL, December 8, 2006
- The Building Envelope. Whiting Turner Construction Company, Tampa, FL, November 9, 2006
- Water Damaged Buildings: A comparison between Old and New Construction. DOI Insurance Training Course, HSA Training Center, Tampa, FL, August 21, 2006
- Water Damaged Buildings: A comparison between Old and New Construction. South Florida Claims Conference, Ft. Lauderdale, FL, July 12, 2006
- Cause and Origin: A comparison between Old (Pre 1980) and New Homes. Mulberry Inn, HSA Insurance Adjuster Seminar Series, Savannah, GA, June 27, 2006
- Water Damage Claims: A Comparison Between Old and New Homes. Allstate Insurance Company, Sunrise, Florida, June 23, 2006
- Water Damage Claims: A Comparison Between Old and New Homes. Allstate Insurance Company, Maitland, Florida, May 25, 2006
- Water Properties and the Use of Heat for Drying. Water Out Annual Convention, Nemaconlin Woodlands, Farmington, PA, May 9, 2006
- Water Damage Claims: A Comparison Between Old and New Homes. Allstate Insurance Company, Melbourne, FL, May 4, 2006
- Cause and Origin from Start to Finish. Windstorm Insurance Network, Orlando, FL, February 8-11, 2006
- Thermal Treatments: Benefits and Misconceptions. Association of Specialists in Cleaning and Restoration (ASCR), Savannah, GA, March 17, 2006
- The Integrated Home: Principals of Water Damage. Citizens Insurance Company, Jacksonville, FL, DOI Lecture Series, August 19, 2005
- Cause and Origin, The Principals of Water Damage. Insurance Adjuster Training Class, Ft. Myers, FL, July 27, 2005
- Cause and Origin, The Integrated Building. Ft. Lauderdale Claims Association, Ft. Lauderdale, FL, July 20, 2005

- Cause and Origin, The Behavior of Water. Servpro Insurance Adjuster Training Class, Savannah, GA, July 13, 2005
- Natural Disaster Property Claims from the Ground Up. Haas, Dutton, Blackburn, & Longley, Tampa, FL, June 23, 2005
- Solving Water Intrusion and Mold Problems. Lorman Education Services, Miami, FL, June 22, 2005
- Top Ten Misconceptions of Drying. Water Out Annual Meeting, Marco Island, FL, June 21, 2005
- Water Damage: Who is Responsible? Stiles Construction Company, Ft. Lauderdale, FL, May 19, 2005
- Cause and Origin of Water Damage. Conestoga Rovers, Atlanta, GA, May 10, 2005
- Water Damage: Cause and Origin. Southeastern Claim Executives Association, Orlando, FL, April 26, 2005
- Buildings are Integrated Systems. South Tampa Bay Rotary Club, Tampa, FL, April 14, 2005
- Spoliation of Evidence: Where does the truth lie in microbial data? Windstorm Conference, Tampa, FL, February 3, 2005
- Seminar entitled, Current Understanding of Mold in the Indoor Environment. Lectures entitled, Initial Investigations of Contaminated Environments and Remediation of Personal Property. Law Firm of Lewis and Roberts, LLC, Raleigh, NC, December 17, 2004
- Cause and Origin: Behavior of Water & Identifying Responsible Parties. Allstate Insurance Company, Maitland, FL, December 1, 2004
- Cause and Origin: Behavior of Water & Identifying Responsible Parties. Allstate Insurance Company, St. Petersburg, FL, November 2, 2004
- Commercial Cleaning of Mold-Contaminated Fabrics. ASCR, Philadelphia, PA, September 8, 2004
- The Principals of Water Damage; Identifying Responsible Parties. Texas Insurance Commission Registered Course for the Travelers Insurance Company, Houston, TX, August 31, 2004
- The Principals of Water Damage and Identifying Responsible Parties. Bay Area Disaster, Inc. Oldsmar, FL, August 11, 2004
- The Behavior of Water, Identifying Responsible Parties. Ft. Lauderdale Claim Association Seminar, Ft. Lauderdale, FL, July 21, 2004
- The Water Principles, Cause and Origin, Case Histories. Insurance Servicing & Adjusting Company, Ft. Lauderdale, FL, July 29, 2004
- Cause and Origin of Water Damage in Residential Homes and High Rise Construction. Water Out National Convention, San Juan, PR, June 23, 2004
- Building Client Relationships in the Insurance Industry. Water Out National Convention, San Juan, PR, June 23, 2004
- The Behavior of Water & Identifying Responsible Parties. Property Loss Consulting, Inc.; Adjuster Training Seminar; Tampa; FL, June 8, 2004
- The Role of the Industrial Hygienist. Property Loss Consulting, Inc.; Adjuster Training Seminar; Tampa; FL, June 8, 2004
- Water Damage, Cause and Origin. York STB Offices, Longwood, FL, May 25, 2004
- Advances in the Detection of Cause and Origin of Water Damage. Nationwide, Hilton Head, SC, May 6, 2004
- FabriCare Foundation Mold Study. Alliance of Professional Restoration Drycleaners, Miami Beach, FL, April 23, 2004
- High Rise Construction: Moisture Damage. Turner Construction Company, Miami, FL, April 23, 2004
- Inns of Court, Dr. Ralph Moon, Panel Member, Mold Contaminations, Tampa, FL, February 10, 2004
- Remediation of Moisture and Mold. Dr. Ralph Moon, Windstorm Insurance Conference, New Orleans, LA, February 4, 2004
- Solving Water Intrusion and Mold Problems in Florida. Ralph E. Moon, PhD, Lorman Educational Services, January 16, 2004
- Investigating and Assessing Microbiological Contamination in the Indoor Environment. Dr. Chin Yang and Dr. Ralph Moon, Orlando, FL, December 10, 2003
- Investigating and Assessing Microbiological Contamination in the Indoor Environment. Dr. Chin Yang and Dr. Ralph Moon, Park Greentree Golf and Country Club, Miami, FL, August 28, 2003
- Investigating and Assessing Microbiological Contamination in the Indoor Environment. Dr. Chin Yang and Dr. Ralph Moon, Park Place Plaza Hotel, Tampa, FL, August 27, 2003
- Cause and Origin of Water Damage in Commercial Buildings. Allstate Commercial Group, St. Petersburg, FL, June 17, 2003
- Water Damage Cause and Origin. American Strategic Insurance, St. Petersburg, FL, April 29, 2003
- Cause and Origin Consulting: Understanding the Building Envelope. YORK STB, Ft. Lauderdale, FL, April 9, 2003

- Water Damage and Microbial Growth Assessment. Nationwide Insurance Company, Savannah, GA, June 29, 2002
- Microbial Growth in Residential Homes and Base Housing. MacDill Air Force Base, Restoration Advisory Board Meeting, Tampa, FL, June 4, 2002
- Water Damage and Microbial Assessment Consulting. Tower Hill Insurance Company, Gainesville, FL, January 30, 2002
- Toxic Mold: A Growing Legal Issue. Fowler White Gillen and Boggs, Tampa, FL, January 7, 2002
- Water Damage and Microbial Sampling Protocol: Selected Case Histories. First Floridian Auto and Home Insurance Company, Tampa, FL, December 3, 2001
- Microbial Sampling Protocol and Clearance Testing. The Crawford Company, Tampa, FL, November 6, 2001
- The Facts about Fungi: An Emerging Environmental Concern. HSA Engineers & Scientists, TECO Training Center, Tampa, FL, August 28, 2001
- Environmental Update. Hillsborough Bar, MacDill Air Force Base, Environmental & Land Use Section, 1999
- Legal Actions Against Environmental Professionals. AIG Environmental, Dallas, TX, 1999
- Legal Actions Against Environmental Professionals. AIG Environmental, Irvine CA, 1998
- Legal Actions Against Environmental Professionals. AIG Environmental, Chicago, IL, 1998
- Environmental Concerns in a Developing Economy. Grand Bahamas Chamber of Commerce, 1998
- Legal Actions Against Environmental Professionals. AIG Environmental, Toronto, Canada, 1998
- Legal Actions Against Environmental Professionals. AIG Environmental, Portland, OR, 1998
- Legal Actions Against Environmental Professionals. AIG Environmental, Atlanta, Georgia, 1998
- Legal Actions Against Environmental Professionals. AIG Environmental, Seattle, WA, 1998
- Legal Actions Against Environmental Professionals. AIG Environmental, Washington DC, 1998
- Legal Actions Against Environmental Professionals. AIG Environmental, Seattle, WA, 1997
- Legal Actions Against Environmental Professionals. AIG Environmental, Los Angeles, CA, 1997
- Risk Assessment for the Project Manager. Square D Company, Cincinnati, OH, 1997
- Legal Actions Against Environmental Professionals. C & I Insurance Company, Dearborn, MI, 1997
- Legal Actions Against Environmental Professionals. C & I Insurance Company, Philadelphia, PA, 1997
- Legal Actions Against Environmental Professionals. C & I Insurance Company, Boston, MA, 1997
- Legal Actions Against Environmental Professionals. C & I Insurance Company, New York, New York, 1997
- Legal Actions Against Environmental Professionals. C & I Insurance Company, Houston, TX, 1997
- Legal Actions Against Environmental Professionals. C & I Insurance Company, San Francisco, CA, 1996
- Legal Actions Against Environmental Professionals. C & I Insurance Company, Chicago, IL, 1996
- Legal Actions Against Environmental Professionals. C & I Insurance Company, Orlando, Florida, 1997
- Current Perspectives of the Environment. Chamber of Commerce, Environmental Expo, Freeport, Grand Bahamas, 1996
- Legal Claims Against Environmental Professionals. Bay Area Manufacturer's Association Environmental Committee, Tampa, Florida, 1996
- Legal Claims Against Environmental Professionals. Florida Environmental Expo, Tampa, Florida, 1996
- Environmental Consultants' Liability. Center for Applied Engineering, St. Petersburg, Florida, 1996
- Legal Actions Against Environmental Professionals. C & I Insurance Company, Denver, CO, 1996
- Legal Actions Against Environmental Professionals. C & I Insurance Company, Washington, DC, 1996
- Legal Actions Against Environmental Professionals. University of Florida TREECO Center, Orlando, Florida, 1996
- Legal Actions Against Environmental Professionals. National Ground Water Association, Las Vegas, NV, 1996
- Legal Actions Against Environmental Professionals. EP Liability Management Corporation and the Florida Association of Environmental Professionals, Tampa, Florida, 1996
- Legal Actions Against Environmental Professionals. EP Liability Management Corporation and the Florida Association of Environmental Professionals, Lakeland, Florida, 1996
- Environmental Professionals' Liability. Florida Institute of Phosphate Research, 10th Annual Regional Phosphate Conference, Lakeland, Florida, 1995

- Superfund: Case History. Executive Enterprises, Orlando, Florida, 1995
- Potential Liability of Environmental Consultants. FAEP's Annual Conference, "Unlicensed Practice of Law" Tampa, Florida, 1995
- Liability Issues for the Environmental Professional. Florida Environmental Expo., Tampa, Florida, 1995
- Understanding and Managing Environmental Consulting Liability. Ninth Annual Environmental Permitting Summer School, Florida Chamber of Commerce, Marco Island, Florida, 1995
- Twenty First Annual Field Studies in Groundwater Evaluation. Groundwater Remediation Strategy and Consultant Liabilities, Ohio University, Athens, OH, 1995
- Potential Liability of Environmental Professionals: The Life or Death of a Consulting Firm. Environmental Resources Expo, June 12-14, 1995
- Risk Assessment: Valuable Remedial Tool or False Hope
- Site Remediation. Hillsborough Bar Association, Environmental Section, 1995
- Potential Liability of Environmental Professionals: An uncertain legal web. Seventh Annual New England Expo, Boston, MA, 1995
- Groundwater Flow and Contaminant Migration. MacDill Air Force Base Restoration Advisory Board, 1995
- Risk Management. Project Management Institute, Tampa Bay Chapter, 1995
- Potential Environmental Concerns with the Sale of Residential Property. Florida West Coast Property Appraisers Association, Tampa, Florida, 1995
- Introduction to Risk Assessment, Graduate course entitled, "Chemistry of Toxic Substances" University of South Florida, 1994
- Bioremediation: A Technology Update (Full Day Seminar). Seventh Annual Calgary Environmental Workshops, Conference & Tradeshow, Instructor; DNAPL Assessment & Site Restoration: A Technology Update. Lecturer; "Bioremediation: A Technology Update," Lecturer; Calgary, Canada, 1994
- Enforcement Case Studies. Florida Environmental Expo, Chairman, 1994
- Eighth Annual Environmental Permitting Summer School, Florida Chamber of Commerce, Marco Island, Florida, 1994
- Groundwater Remediation Strategy. Twentieth Annual Field Studies in Groundwater Contamination Evaluation, Ohio University, Athens, OH, 1994
- Tetrachloroethylene Contamination of Soil and Groundwater. Gulfcoast Fabricare Association Meeting, Clearwater, Florida, 1994
- Groundwater Flow and Remediation Principles. Fortune 500 Corporation, Environmental Control Division Sector Meeting, Greensboro, NC, 1994
- Hydrocarbon Bioremediation Case Histories, Fortune 500 Corporation, Environmental Control Division Annual Meeting, KY, 1993
- Principles in Groundwater Flow. Bahamas National Trust, Freeport, Grand Bahamas, 1993
- CERCLA a Technical Evaluation. Stetson Law School, St. Petersburg, Florida, 1993
- Innovative Remediation Processes for Volatile Organic Paint Wastes. Southeast Paint and Coatings Society, Tampa, Florida, 1993
- Groundwater Contamination Evaluation, Innovative Groundwater Remediation Strategy. Nineteenth Annual Field Studies, Ohio University, Athens, OH, 1993
- Multimedia Compliance Audits. MacFarlane Ferguson P.A. Joint Seminar, Tampa, Florida, 1993
- Multimedia Compliance Audits. Foley and Lardner P.A. Joint Seminar, Orlando, Florida, 1993
- Soil-Gas and Groundwater Bioremediation In Karst Using In Situ Methods, In Situ and On-Site Bioreclamation. The Second International Symposium, San Diego, CA, 1993
- Soil-Gas and Groundwater Bioremediation In Karst. American Institute of Professional Geologists, Tampa, Florida, 1993
- Multimedia Compliance Audit Strategies. National Association of Environmental Managers, Tampa, Florida, 1993
- Multimedia Compliance Audits. Lowndes Drosdick Doster Kantor & Reed P.A. Joint Seminar, Orlando, Florida, 1993
- Proactive Waste Management Strategies. The Procter & Gamble Corporation, Cincinnati, OH, 1993
- In-Situ Groundwater Remediation in a Karst Aquifer. HMC/Superfund 92, Washington, DC, 1992
- Groundwater Remediation Strategy. Eighteenth Annual Field Studies in Groundwater Contamination Evaluation, Ohio University, Athens, OH, 1992
- H2S Remediation by In-Situ Biological Treatment. Sixth Annual Outdoor Action Conference, Las Vegas, NV, 1992
- Soil-Gas Remediation of Reduced Sulfur Compounds in a Limestone Aquifer. The First Annual Hazardous Materials

and Environmental Management Conference/South., Atlanta, Florida, 1991

- Groundwater Remediation Strategy. Seventeenth Annual Field Studies in Groundwater Contamination Evaluation, Ohio University, Athens, OH, 1991
- Toxicology, OSHA 1910.120 Rules and Regulations. Pratt & Whitney Corporation, West Palm Beach, Florida, 1989
- Environmental Laws, Risk Assessment, Risk Communication. Environmental Conference, Harris Corporation, Melbourne, Florida, 1989
- Risk Assessments, The Fundamentals of Groundwater Contamination Seminar. Washington, DC, 1988
- Groundwater Contamination Seminar. Texasgulf, Incorporated, Aurora, NC, 1988
- Site Assessments. The Law Firm of Foley & Lardner, Vandenberg, Gay, Burke, Wilson, and Arkin, Orlando, Florida, 1988
- Risk Assessment. Tactical Air Command, IRP Focus '88, Washington, DC, 1987
- Endangerment Assessments. Department of Comprehensive Medicine, College of Medicine, University of South Florida, Tampa, Florida, 1987
- Nature and Occurrence of Groundwater Contamination. The Fundamentals of Groundwater Contamination Seminar, New Orleans, LA, 1986
- Groundwater Protection Strategy. The Fundamentals of Groundwater Contamination Seminar, New Orleans, LA; Washington, DC; and Chicago, IL, 1986
- The Interpretation of Monitoring Data. The Fundamentals of Groundwater Contamination Seminar, EPA Region IV, Atlanta, Georgia, 1986
- Behavior of Contamination/Geochemistry. The Fundamentals of Groundwater Contamination Seminar, EPA Region IV, Atlanta, Georgia, 1986
- The Interpretation of Monitoring Data. The Fundamentals of Groundwater Contamination Seminar, EPA Region II, New York, New York, New York, 1986
- Groundwater Monitoring: Objectives and Limitations. HAZMAT 86, Atlantic City, NJ, 1986
- Public Health and Its Role in Remediation. Florida Association for Water-Quality Control, Tampa, Florida, 1986
- Hazardous Waste Management Audit. Geraghty & Miller, Inc., Seminar, CF Industries, Plant City, Florida, 1986
- Behavior of Contamination/Geochemistry. Geraghty & Miller, Inc., Seminar, CF Industries, Plant City, Florida, 1986
- Groundwater Geochemistry. Geraghty & Miller, Inc. Seminar, Baton Rouge, LA, 1985
- Hazardous Waste Management. Geraghty & Miller, Inc., Seminar, Orlando, Florida, and Baton Rouge, LA, 1985
- Health and Safety Plans, Quality Assurance, Quality Control Plans for Hydrogeological Investigations. Geraghty & Miller, Inc., Seminar, Orlando, Florida, 1985
- Groundwater Monitoring in Florida-Living with Hydrologic and Regulative Peculiarities. Fifth Symposium and Exposition on Aquifer Restoration and Groundwater Monitoring, Columbus, OH, 1985
- Field Methods-Drilling Techniques, Well Placement, Equipment. American Chemical Society, Division of Pesticide Chemistry, Invited speaker, Miami, Florida, 1985
- Geochemistry and Groundwater Monitoring. North Carolina Textile Association, Raleigh, NC, 1985
- Geochemistry and Groundwater Monitoring. South Carolina Chamber of Commerce, Columbia, SC, 1985
- Hazardous Waste Transport. American Society of Safety Engineers, Guest speaker, Tampa, Florida, 1984
- Analytical Data and Its Importance in Hydrological Studies. Florida Society of Environmental Analysis, Keynote Speaker, Tampa, Florida, 1984
- Waste Oil Generation and Use in the Tampa Bay Area. Florida Association of Governmental Purchasing Offices, 17th Annual Seminar and Workshop, Clearwater, Florida, 1984
- Groundwater Monitoring. Florida Association for Water Quality Control, Daytona Beach, Florida, 1984
- Consulting Liability, R. Moon and D.J. Gibby, Florida Association of Environmental Professionals, Tampa, Florida, 1995
- Understanding and Managing Environmental Consulting Liabilities, R. Moon and D.J. Gibby, 9th Annual Environmental Permitting Summer School, Marco Island, Florida, 1995
- Consultant Liability, R. Moon and D.J. Gibby, The Florida Environmental Resources Expo, Orlando, Florida, 1995

AFFIRMATION OF LEGAL TESTIMONY

- William R. Peek and Stacey Peek Appellants, v American Integrity Insurance Company of Florida, Appellee, Case No. 2D13-780 In the District Court of Appeal of Florida Second District. Dr. Ralph Moon, Expert Witness

ADDITIONAL EDUCATION/TRAINING

- 23rd Annual Westford Symposium on Building Science, Westford, Massachusetts, August 5-6, 2019.
- Roof Failure Analysis: Dan White and John Walker, Asphalt Product Oil Company (APOC), Tampa, Florida March 3, 2017
- Building Envelope Leaks from Miami to Connecticut: Building Sciences, Mark Williams, AIA, Williams Building Diagnostics, Bradenton, Florida, March 2, 2017
- Weather Forecasting Methods: Daniel Noah, National Weather Service, Ruskin, Florida, March 2, 2017
- Twentieth Annual Westford Symposium on Building Science, Westford, Massachusetts, August 1-4, 2016
- Fungal Ecology of the Indoor Environment, Dr. Chin Yang, Prestige EnviroMicrobiology, July 15, 2016
- Water Intrusion & Microbiological Contamination, Dr. Chin Yang, Prestige EnviroMicrobiology, July 15, 2016
- Residential Pipe Failures: Copper, Galvanized Steel, PEX, Don Dunn, Master Plumber, My Plumbing Company, July 14, 2016
- Foam Insulation: Installation Deficiencies, John LaPotaire, CIEC, Indoor Air Quality Solutions, Tampa, FL, December 3, 2015
- Expert Witness Training, Doug Grose, Merlin Law Group, Tampa, FL, December 4, 2015
- Nineteenth Annual Westford Symposium on Building Science, Westford, Massachusetts, August 2-5, 2015
- Understanding Moisture Performance of Wood: Introduction to Durable Design and Construction, Tampa, Florida, Ron Anthony, Wood Works Wood Products Council, Tampa, Florida, May 19, 2015
- Building Sciences Continuing Education Series, Guest Speaker Joe Cox - Chilled Water Fundamentals, Proposed Mold Assessor Requirements, Daubert Standard, Understanding Concrete, Industrial Hygiene, Airflow, Large Building Air and Water Intrusion, Remediation, Corrosion Study Test Method and Tile Study Method, Tour of Yuengling Plant Mechanical Systems (Tampa, Florida), January 22-23, 2015
- Introduction to Psychometrics: ASHRAE Chapter Meeting, Tampa, Florida, November 11, 2014
- Eighteenth Annual Westford Symposium on Building Science, Westford, Massachusetts, August 4-6, 2014
- Icynene Insulation: Application and Installation, Tampa, Florida January 24, 2014.
- American Bar Association, Mid-Winter Meeting: Expert Witness Preparation, January 31, 2013, Naples, Florida
- Seventeenth Annual Westford Symposium on Building Science, Westford, Massachusetts, August 4-7, 2013
- Fungal Ecology and Taxonomy, Dr. Chin S. Yang, Prestige EnviroMicrobiology, 21 July 2012
- Master Window Installer Class, Installation Masters Institute, 20-21 June 2011
- Stucco Applications Class, Florida Concrete & Products Association, Jim Guildy, Instructor, 17 June 2011
- PGT (Window) Product Installation, PGT University, 8 December 2010.
- Expert Witness Testimony: The Legal and Practical Framework, Carlton Fields, 16 November 2007, Tampa, Florida.
- Subrogation College: 2007 NASP Conference, 407 November 2007, New Orleans, Louisiana.
- Floor Tile Seminar: Interpretation of Damage, North American Ceramic Tile Association, 27 October 2007, Tampa, Florida.
- Investigating, Sampling, Identifying and Assessing Biological and Microbiological Contamination in the Indoor Environment, Mid-Atlantic Environmental Hygiene Resource Center, Philadelphia, Pennsylvania, 2001.
- Developing Remediation Strategy and Writing Specifications for a Building Mold Remediation Project, Mid-Atlantic Environmental Hygiene Resource Center, 2001.
- On-Site Identification, Risk and Analysis of Common Indoor Fungi, Conestoga Rovers & Associates, 2002.
- Tampa Bay Trane, Managing Building Moisture, 2003.
- Moisture Control for Buildings, Building Envelope, American Society of Heating, Refrigeration and Air Conditioning Engineers, 2003.
- Guidelines for the Assessment of Microbiological Contamination in Indoor Environments, P&K Microbiological Services, Inc., Dr. Chin Yang, 2003.
- Seasonal and Diurnal Patterns of Fungal Biology, Forensic Investigation of Mould Cases, Mycotoxins and Health, Presented by Drs. Chin Yang and Dewei Li, P&K Microbiology Services, Inc., Tampa, Florida, 2003.
- HVAC Fundamental Series: Trane Air Conditioning Clinic, Tampa, Florida, 2003.
- Mold in the Building Environment, ASHRAE Satellite Broadcast, 2005.
- Preventing Moisture and Mold Problems: Design and Construction Guidelines, American Society of Heating,

Refrigerating and Air Conditioning Engineering, Orlando, Florida, 2005.

- Breaking the Dew Point Barrier: Trane CDQ Desiccant Dehumidification, Trane Training Center, Tampa, Florida, 2005.
- Mold, Allergens, Sampling and Data Interpretation. Environmental Microbiology Laboratory, Inc., Tampa, Florida, March 6, 2006.