



CONTINUING EDUCATION COURSE LIST

EACH COURSE LISTED IS APPROVED FOR ADJUSTER CREDIT IN THE FOLLOWING STATES: ALABAMA, GEORGIA, FLORIDA, LOUISIANA, MISSISSIPPI, AND TEXAS.

1. A DEEP DIVE – COMMERCIAL ROOFING
2. A DEEP DIVE – SHINGLE ROOFING
3. A DEEP DIVE – TILE ROOFING
4. BACK THAT DRAIN UP – CAST IRON DRAIN LINES
5. BASICS OF CERAMIC TILE
6. BATTEN THE HATCHES – STORM SEASON PREP
7. CAN I GET A HAIL YEAH!
8. DISAMBIGUATION OF THE FLORIDA BUILDING CODE
9. DON'T SETTLE – UNDERSTANDING SETTLEMENT DAMAGE
10. ESTIMATING & ENGINEERING: A CROSSOVER DISCUSSION ABOUT ROOF REPAIRS
11. FORENSIC ASSESSMENT OF CAUSE AND ORIGIN
12. FORENSIC ASSESSMENT OF ROOF DAMAGE
13. FORENSIC ASSESSMENT & REPAIRABILITY OF COMMERCIAL ROOFING SYSTEMS
14. HURRICANE PREP – A CRASH COURSE IN COMMON CAT CLAIMS
15. HVAC REFRIGERANT PHASE-OUT
16. LET'S GROW MOLD TOGETHER
17. MANUAL MANIPULATION – FAKE IT 'TIL YOU MAKE IT
18. MEP FORENSICS AND FORENSICS INFORMATION MODELING (FIM)
19. STUCCO PROBLEMS – NOTHING TO LATH ABOUT
20. SURVIVING THE STORM: LESSONS LEARNED FROM THE AFTERMATH OF HURRICANES IAN & NICOLE
21. SWEATY WALLS – MOISTURE DAMAGE CAUSED BY VAPOR DRIVE
22. ROOF REPAIRABILITY
23. TECHNO-SLEUTHS: HARNESSING CUTTING-EDGE TOOLS FOR CAUSE AND ORIGIN CLAIMS
24. THAT SINKING FEELING: UNDERSTANDING AND RESOLVING GROUND SETTLEMENT DAMAGE CLAIMS
25. "THAT'S FOGGED UP, BRAH!" – FORENSIC ASSESSMENT OF ALLEGED WIND DAMAGE TO WINDOWS AND DOORS
26. THE AFTERMATH OF HURRICANE IRMA

27. THE AFTERMATH OF HURRICANE MICHAEL (WIND VS. WAVES)
28. (VIRTUAL) REALITY CHECK

Course Name: A Deep Dive – Commercial Roofing

CE Credit Hours: 1

Course Objective:

This course discusses the common types of property loss claims relating to commercial roof damage, the effects (or lack thereof) of wind on a commercial roof, the method of calculating uplift pressure on a commercial roof and analyzing the potential for failure, requirements for repair and/or replacement of a commercial roof assembly, and the methods and feasibility of conducting a compliant repair. Case studies of actual storm damage versus alleged storm damage will be discussed throughout the course.

Course Name: A Deep Dive – Shingle Roofing

CE Credit Hours: 1

Course Objective:

This course discusses the common types of property loss claims relating to shingle roof damage, the effects of nature on a shingle roof, damage associated with manual manipulation, and the latest code changes.

The course begins by discussing the basic scientific phenomena of wind pressure on buildings, components, and cladding, as well as the code changes that affect how the pressures are analyzed. The course progresses into the additional environmental considerations of hail, heat, and ultraviolet radiation, affecting the service life of shingle roofs. Additional code changes in the FBC and IBC will be discussed as they pertain to shingle roof repairs and/or replacements. Manual manipulation and its identification has become increasingly critical for adjusters and is discussed at length with case studies of actual insurance claims where damage was legitimately from the claimed loss and cases where it was not. This information can be directly helpful to the adjusters when assessing alleged causes of loss and the applicability of coverage for the claims.

Course Name: A Deep Dive – Tile Roofing

CE Credit Hours: 1

Course Objective:

This course discusses the common types of property loss claims relating to tile roof damage, the effects (or lack thereof) of wind on a tile roof, the method of calculating uplift pressure on a roof tile and analyzing the potential for failure, the latest building code changes and requirements for repair and/or replacement of a tile roof assembly, and the methods and feasibility of conducting a compliant repair. Case studies of actual wind damage versus alleged wind damage will be discussed throughout the course.

Course Name: Back That Drain Up – Cast Iron Drain Lines

CE Credit Hours: 1

Course Objective:

The purpose of the course is to provide an engineering perspective of claims involving cast iron drain lines, typically found in Florida homes constructed prior to 1980. The course will discuss the typical claim, the investigative methods an engineer will implement to identify deficiencies in the sanitary drainage system and any damage resulting from backups or overflows, and the options available to resolve any issues causing backups. The course will include case studies of real-life claims and investigations.

Course Name: Basics of Ceramic Tile

CE Credit Hours: 1

Course Objective:

This course discusses the methods and materials used to install ceramic tile based on the Tile Council of North America Installation Guide. The course also discusses the science behind ceramic tile bond and its performance when exposed to environmental conditions. Case studies from forensic engineering investigations will be discussed to provide examples flooring failures. Topics covered will include the types of tiles, mortar, trowels, tile bond, substrates, installation defects and a comparison between flooring failures and insurance claims.

Course Name: Batten the Hatches – Storm Season Prep

CE Credit Hours: 1

Course Objective:

The course identifies various types of property loss claims resulting from catastrophic storms, such as tropical storms and hurricanes. Case studies are pulled from recent hurricane events such as Sally, Laura, Delta, and Ida, relating to damage to building roofs and exteriors from wind pressure, storm surge, and debris impact. The course also discusses applicability of the International Building Code and repairability of damage. Upon completion of the course students should have a comprehensive understanding of storm preparedness, different types of storm related issues, what to look for before storms and post storms to aid in our preparation for the 2022 storm season.

Course Name: Can I Get A Hail Yeah!

CE Credit Hours: 1

Course Objective:

This course is intended for those who work with property damage claims involving hail damage to a variety of residential and commercial roof types. This course will focus on legitimate hail damage as

opposed to the misidentified or even fraudulent claims of hail damage. This course begins by discussing the science behind how hail interacts with building materials and then describes the evidence used to identify genuine hail impacts. The objective of this course is to give attorneys and adjusters the knowledge to recognize the genuine article and a better understanding of the criteria that should be met when investigating claimed hail damage. Specifically, this knowledge will help attorneys identify possible fraud and the limitations faced by forensic experts. Case studies involving legitimate hail damage will be discussed in the course.

Course Name: Disambiguation of the Florida Building Code
CE Credit Hours: 1

Course Objective:

This course explores several commonly misunderstood sections of the various volumes of the Florida Building Code, demonstrating (with examples) the reasons why the code can be confused, misinterpreted, and misused by claimants as justification for inflating the value of their claim.

Course Name: Don't Settle: Understanding Settlement Damage
CE Credit Hours: 1

Course Objective:

This course is intended for insurance adjusters who handle property damage claims involving settlement/movement of building foundations and/or building components (i.e., cracks in exterior walls, uneven floors, unsupported foundations, cracking in concrete flatwork, plumbing leaks, sinkholes, ground depressions). All too often claims are filed for damage attributed to the "sinking" of the ground, the insured are typically scared and believes their home is in immediate danger. This course is designed to educate insurance adjusters to identify actual settlement related damage and understand the signs of when a true public safety risk may exist. The course begins by discussing the science and physics behind ground settlement. The course then discusses how ground settlement impacts structures and what settlement related damage looks like. Understanding these points will help adjusters navigated coverage decisions and better explain those decisions to their insured. Case studies from actual insurance claims of alleged settlement damage will be discussed in the course. The purpose of discussing the case studies is to help an adjuster understand how insurance coverage did not apply for the claimed damage. They can utilize this information in determining the applicability of coverage in claims.

Course Name: Estimating & Engineering: A Crossover Discussion About Roof Repairs
CE Credit Hours: 1

Course Objective:

In this course, we will explore the concept of estimating and engineering crossover when it comes to roof repairs. We will discuss the factors that determine whether a roof repair is feasible or if a roof replacement

is necessary. We will also examine the break-even point, dollar-wise, where it becomes more expensive to complete a repair than to replace a roof. We will explore how the roof size and material type affect the costs and the break-even point. This course will be especially beneficial to insurance adjusters who are involved in roof repair and replacement claims. Overall, this course will provide insurance adjusters with a deeper understanding of factors that determine the feasibility of a roof repair and when a roof replacement may be necessary. They will be given valuable insights into the crossover between estimating and engineering and how it affects the cost-effectiveness of a roof repair claim.

Course Name: Forensic Assessment of Cause and Origin

CE Credit Hours: 1

Course Objective:

Participants will be instructed in the basics of how a structural engineer evaluates a building for cause and origin of various damages. Topics covered will include roof damage, tile flooring damage and plumbing/moisture damage. This course will provide information to those handling various property loss. It gives a background knowledge to understand what an engineer is looking for when completing a cause and origin assessment and will help them explain the process to their insured.

Course Name: Forensic Assessment of Roof Damage

CE Credit Hours: 1

Course Objective:

Participants will be instructed in how a structural engineer evaluates a building for cause and origin of roof damage claims. Topics covered will include: types and qualities of roofing products, identifying classic windstorm damage, identifying non-windstorm damage, identifying classic hail damage, identifying non-hail damage, questions to ask the insured related to roof damage, and other issues affecting roof performance. This course will provide information to insurance adjusters handling windstorm and hail damage claims. It gives the adjuster and claims manager the background knowledge to understand what an engineer is looking for when completing a cause and origin assessment and will help them direct the information they gather from their insured and explain the process to their insured.

Course Name: Forensic Assessment & Repairability of Commercial Roofing Systems

CE Credit Hours: 1

Course Objective:

This course is intended for insurance adjusters and legal professionals. It begins with a basic overview of commercial roofing components. It details the common types of commercial roofing systems, characteristic damage from weather events, forensic analysis and assessment of claimed damage, and repairability considerations related to maintaining any remaining warranty. The course will discuss analytical methods of calculating uplift pressure to evaluate the potential for failure. Case studies will be discussed throughout the course.

Course Name: Hurricane Prep – A Crash Course in Common CAT Claims

CE Credit Hours: 1

Course Objective:

This course discusses the common types of property loss claims following hurricanes. Case studies are pulled from recent hurricane events such as Michael, Irma and Sally relating to damage to roofs, windows, doors and walls from trees, wind, and storm surge. The course also discusses applicability of the International Building Code and repairability of damage. Upon completion, students should have a comprehensive understanding of past storm events, damage caused from these storms, and how to better prepare prior for future storms that may occur.

Course Name: HVAC Refrigerant Phase-Out

CE Credit Hours: 1

Course Objective:

Participants will be instructed in the basics of what an HVAC is and the process of a structural engineering evaluation. This course will provide information to insurance adjusters handling various property loss claims. It gives the adjuster the background knowledge to understand what an engineer is looking for when completing a HVAC assessment and will help them explain the process to their insured.

Course Name: Let's Grow Mold Together

CE Credit Hours: 1

Course Objective:

This course is intended for insurance adjusters and discusses what mold is and the common types of mold, as well as how it relates property loss claims relating to issues with mold growth within buildings and the common causes of such. We will take a look into case studies involving varying degrees of mold growth with buildings and what caused them. Attendees will be given in-depth demonstration and examples of the most common issues that cause mold growth and gain an understanding in how preemptive mold testing can be beneficial for future needs, including assisting in duration estimations. Our goal is that attendees will have a comprehensive understanding of mold and how it comes to be and how it affects different surfaces and finishes, and what affect that has ultimately on the building.

Course Name: Manual Manipulation (Fake it til you make it! A discussion about simulated roof damage)

CE Credit Hours: 1

Course Objective:

This course is intended for insurance adjusters and attorneys who handle property damage claims involving suspicious damage to shingles from what is believed to be unnatural causes ranging from

negligent handling to fraud. Frequently, damage that is claimed to have been caused by wind or hail can be attributed to manual manipulation of the shingles by others incentivized by the finding of damage. This course begins by discussing the science behind how weather interacts with buildings, namely roof coverings, and then describes the evidence used to differentiate between manual manipulation and damage genuinely caused by wind or hail. The objective of this course is to give attorneys and adjusters the knowledge to recognize when a potential case of manipulation arises and what to expect from an expert in order to satisfy a Daubert challenge on the subject matter. Case studies from actual insurance claims involving manual manipulation will be discussed in the course. These case studies provide real-world examples of different alleged causes of loss that were ultimately determined to be from manual manipulation.

Course Name: MEP Forensics and Forensics Information Modeling (FIM)
CE Credit Hours: 1

Course Objective:

This course is intended for insurance adjusters and construction attorneys. It presents an introduction to Mechanical, Electrical, and Plumbing (MEP) Forensics as well as Forensic Information Modeling (FIM) techniques. Common and extreme property loss claims, specifically related to MEP issues, from general system failures to major CAT induced damages are explored. Case studies of various MEP failures and losses are presented and discussed throughout the presentation. Subrogation interfaces with MEP matters are also presented and explored in addition to litigation support, dispute resolution and expert witness techniques.

Course Name: Stucco Problems: Nothing to Lath About
CE Credit Hours: 1

Course Objective:

This course discusses the common types of property loss claims relating to issues with stucco (Portland cement plaster) cladding and the construction deficiencies that cause them. Case studies involving cracked, debonded, bulging, and other types of failed stucco will be discussed throughout the course. Attendees will be given in-depth demonstration and examples of the three most common construction deficiencies that cause stucco to fail.

Course Name: Surviving the Storm: Lessons Learned From the Aftermath of Hurricanes Ian & Nicole
CE Credit Hours: 1

Course Objective:

This course is specifically designed for insurance adjusters and covers the science behind the impact of Hurricanes Ian and Nicole on buildings. Through case study examples, the course will delve into the areas of storm surge, wind, and rain damage. Participants will gain a deeper understanding of storm surge data,

wave action, wind forces and pressures, and how they can cause damage to buildings. The course will also address the issue of wind-created openings in buildings, wind-driven rain, and provide examples of damage claims related to these storms. The goal is to provide adjusters with the knowledge needed to determine the credibility of damage claims and assess the extent of the damage accurately.

Course Name: Sweaty Walls: Moisture Damage Caused by Vapor Drive

CE Credit Hours: 1

Course Objective:

This course is intended for insurance adjusters who handle property damage claims involving water infiltration (i.e., building envelope issues, roof leaks, windstorm damage) and plumbing-related losses (supply line leaks, sanitary system issues). Frequently, damage that is claimed to have been caused by water from one of these sources can actually be from vapor drive and would not typically be a covered loss under most property insurance policies. This course begins by discussing the science behind the phenomenon of vapor drive as well as the mechanisms by which damage can be caused, so that they will better understand it and can help explain coverage decisions to their insured when handling claims. The course then discusses the common types of property loss claims in which the cause of loss is related to failure to control liquid moisture and moisture vapor drive through the building envelope. Case studies from actual insurance claims of moisture vapor damage versus alleged roof leaks or other alleged sources will be discussed in the course. The purpose of discussing the case studies is to help an adjuster understand how insurance coverage did not apply for the claimed damage, despite the claims being filed under different alleged causes of loss. They can utilize this information in determining the applicability of coverage in claims.

Course Name: Roof Repairability

CE Credit Hours: 1

Course Objective:

The objective of the class is to educate insurance adjusters on the topic of repairing roofs following storm damage claims and the building code sections that govern this work.

Course Name: Techno-Sleuths: Harnessing Cutting-Edge Tools For Cause and Origin Claims

CE Credit Hours: 1

Course Objective:

This one-hour course explores the innovative technologies utilized by forensic engineers in determining the cause and origin of damage in insurance claim investigations. Participants will be introduced to a range of cutting-edge tools, including 3D site scanning technologies such as iGuide and Matterport, FLIR technology, drones, and non-destructive moisture detection. Through real-world case studies and practical examples, attendees will gain an understanding of how these advanced technologies enhance documentation, visualization, data collection, and analysis in forensic engineering. The session will also include a brief Q&A period to address any specific inquiries. The goal of the course is to discover how

these tools and technologies greatly enhance the field of forensic engineering and contribute to successful insurance claims outcomes.

Course Name: That Sinking Feeling: Understanding and Resolving Ground Settlement Damage Claims
CE Credit Hours: 1

Course Objective:

This course is designed to provide insurance adjusters with a comprehensive understanding of property damage claims involving ground or foundation movement, including the science behind ground settlement, how it affects structures, and how to identify actual settlement-related damage. The course will focus on helping adjusters navigate coverage decisions and better explain those decisions to their insured. By the end of this course, you will be able to confidently identify actual settlement-related damage and understand the signs of true safety risks to buildings.

Course Name: “That’s Fogged Up, Brah!” – Forensic Assessment of Alleged Wind Damage to Windows and Doors
CE Credit Hours: 1

Course Objective:

This course is intended for insurance adjusters and first party defense attorneys. It discusses a specific type of property insurance claim that has emerged following significant windstorm events since 2017 involving alleged damage to windows and doors. This course will inform the student about the typical claim scenario so they can quickly recognize it in practice and mobilize an effective response. Topics discussed in detail will include a breakdown of regulatory requirements for recovering or replacing damaged glazed openings, an overview of wind pressure design and analysis for windows and doors, instruction on how to identify the pressure ratings and other characteristics of a glazed opening, instruction on what constitutes damage to a glazed opening or failure of an assembly from wind pressure, examples from case studies of commonly claimed issues that are not caused by wind, and a practical explanation of the window manufacturing process to provide a greater understanding of the physics of a glazing system failure.

Course Name: The Aftermath of Hurricane Irma
CE Credit Hours: 1

Course Objective:

This course is intended for insurance adjusters. It discusses the science behind wind and rain damage to buildings, showing case study examples from actual Hurricane Irma claim investigations. Topics covered will include wind forces and pressures, wind-caused damage to roofs, wind-driven rain issues, window damage, other sources of water infiltration damage, and some examples of the more interesting damage being claimed as storm-related.

Course Name: The Aftermath of Hurricane Michael – Wind vs. Waves

CE Credit Hours: 1

Course Objective:

This course discusses the science behind storm surge, wind and rain damage to buildings, showing case study examples from actual Hurricane Michael claim investigations. Topics covered will include storm surge data, wave action, wind forces and pressures, wind-caused damage to buildings, storm-created openings in buildings, wind-driven rain issues, and examples of various damage being claimed as storm-related, whether plausible or not.

Course Name: (Virtual) Reality Check

CE Credit Hours: 1

Course Objective:

This course is intended for insurance adjusters and/or attorneys. This presentation will explore the methods of 3D data collection, how it can be used to benefit a large CAT loss, the legal implications of this method of data collection, and a look into the future of reporting using virtual reality by reflecting on the joint handling of a 2020 Hurricane Claim in Coastal Florida and considering how we would tackle the same project in the near future.