



# NAFE 2025 Summer Conference

Friday, July 11, 2025 – Ottawa, ON

## MORNING

**8:30 AM**     Board of Directors Meeting (Open to All Members)

**11:00 AM**     ASTM E58 Meeting (Open to All Members)

## AFTERNOON

**1:30 PM**     1:30 pm and 1:45pm Tour of Royal Canadian Mint (Please arrive 15 minutes early)

**6:00 PM**     Welcome Reception (Open to All Conference Attendees)

**7:00 PM**     Celebration Dinner (Registration Required)



# NAFE 2025 Summer Conference

## Saturday, July 12, 2025 - Ottawa, ON

### Technical Program

**6:30 AM** Breakfast and Networking

**7:15 AM** President's and Conference Chair's Remarks and Introductions

#### MORNING TRACK

**8:00 AM** Ziad Azzi, PhD, PE (NAFE #1343M) — “Discerning Wind-Related Damage to Residential Roofs: A Case Study of Shingle and Tile Roofs”

**9:00 AM** Tonja Koob Marking, PhD, PE (NAFE #1152S) — “Forensic Hydraulic Analysis of a Tow and Barge Vessel Allision with a Lock and Dam”

**10:00 AM** Morning Break | Sign Up for Dinner Groups

**10:15 AM** Michael Stall, PE (NAFE #955M) — “Forensic Engineering Evaluation and Quantification of Fire Damage to a Home Under Construction”

**11:15 AM** Stephen Batzer, PhD, PE (NAFE #677F) — “Unreliable at the Boundary: Analysis of Two Sub-Optimum Crossbow Trigger Designs”

#### *End of morning sessions*

**12:15 PM** Lunch and General Membership Meeting | Sign Up for Dinner Groups

#### AFTERNOON TRACK

**1:15 PM** Henry Mowry, PE (NAFE #1195M) and David Ridder — “The Importance of Human Perception in Incident Reconstruction and the Potential for Misleading Interactive Reconstructions”

**2:15 PM** Robert Peruzzi, PhD, PE (NAFE #967M) — “Forensic Investigation of Bitcoin Mining, Power Transmission, and Vegetation Mismanagement Causing Electrical Faults and Railroad Control System Failures”

**3:15 PM** Afternoon Break | Sign Up for Dinner Groups

**3:30 PM** Stephen Batzer, PhD, PE (NAFE #677F) — “Barrel Failure in an Over and Under Shotgun”

**4:30 PM** Rebecca Bowman, Esq, PE (NAFE #1153M), Brian Eubanks, PE (NAFE 962S), and Lauren Kelley (NAFE 1358M) — “Beyond the Building Code: Expansive Soils”

**5:30 PM** End of Day 1 Sessions | Lobby Bar Meet Up | Dinner on Your Own

*The NAFE Technical Program is brought to you by the NAFE Journal Staff and Editorial Board  
David J. Icove, PhD, PE, DFE, Editor-in-Chief and Ellen Parson, Managing Editor*



# NAFE 2025 Summer Conference

## Sunday, July 13, 2025 – Ottawa, ON

### Educational Program

**6:30 AM** Breakfast and Networking

**7:15 AM** President's and Conference Chair's Remarks and Introductions

#### MORNING TRACK

**8:00 AM** Shawn P. Ray, P.E., DFE, ACTAR, ASE, CFEI, CVFI, CFII (NAFE #970S) - "Introduction to Consumer-Based 3D Scanner Apps for Use in Forensic Investigations"

**9:00 AM** Gregory L. Boso, P.E. (NAFE #748M) – "Pitfalls of Multi-Jurisdictional Practice for Engineers"

**10:00 AM** Morning Break | Vote for Favorite Saturday Technical Session

**10:15 AM** Curt M. Freedman, MSEM, PE, CEM, CEA, LEED ® AP (NAFE #912S)– "Responsible Charge" Building/Enclosure Energy Modeling for Forensic Engineering Investigations & Building Assessments Using Electronic Spreadsheets"

#### *End of morning sessions*

**12:15 PM** Lunch | Register for NAFE Winter 2026

#### AFTERNOON TRACK

**1:30 PM** Derek A. Hodgins, PE, RBEC, CCCA, CXLT, F-IIBEC, CPSI (NAFE #733S)– "How NOT to Serve As an Expert: (aka Why I Retired From Forensic Engineering)"

**2:30 PM** Afternoon Break | Register for NAFE Winter 2026

**2:45 PM** Lori Cox, P.E. (NAFE #1302S) – "The Case for AI in Forensic Engineering: Enhancing Expert Testimony and Avoiding Obsolescence"

**3:45 PM** Rebecca Rebecca A. Bowman, Esq., P.E. (NAFE #1153) – "The Duty of Care: Resilience & Ethical Adaptation to Shifting Conditions"

**4:45 PM** End of Day 2 Sessions and Closing Remarks | Vote for Favorite Sunday Technical Session

*The NAFE Educational Program is brought to you by the NAFE Education and Conference Committees led by Zohaib A. Alvi and Daniel P. Couture.*