



International Association of Arson Investigators Nebraska Chapter



September 15 - 17, 2026

Dan Madrzykowski, Phd, PE

Join Dan for an in-depth and science-driven presentation. This presentation covers fire dynamic sessions through Fire Analysis and supporting case studies — providing investigators with a stronger understanding of how modern fires develop and how damage patterns are formed. Dan will also cover Li-Ion battery and fire investigator safety topics. Don't miss this opportunity to strengthen your technical knowledge and investigative approach through his classroom lesson and hands-on approach.

- Fire Dynamics Basics & Fire Dynamics in Structures
- Impact of Ventilation on Fire Damage Patterns
- Evidenced Based Tools for Fire Analysis
- Li-Ion Battery Fire & Explosion Awareness
- Post Fire Chemical and Particulate Exposure for Fire Investigators
- Case Studies Presentations - using fire testing, computer simulations & reconstruction to support investigations.

Robert Longseth PE, CFI, CFEI

Robert will be presenting on kitchen range fires, specifically the investigation and methodologies to distinguish between a failure of the product, unattended cooking, and inadvertent activation. The presentation will include the technical product features, the safety standards, and case studies.

In addition, Robert will be presenting on the use of Smart Technology in fire scene investigations. The presentation will center around the application of Smart Technology and Artificial Intelligence in an investigation. The hazards, benefits, and cautions will be addressed through real world examples.

RESERVATIONS:

**Fairfield INN by Marriot
465 Olson Dr, Papillion, NE 68046
(\$107.00 + tax per night)**

**Call 402-932-2700 for reservations
Use Group Name: Nebraska IAAI**

**Go to our website for an
online booking link.**

REGISTRATION:

*To Register, visit:
www.nebraskaiaai.org*

VENUE:

**CHI Health Midlands ER Conference Room
1111 S 84th St, Papillion, NE 68046
Enter on west side of hospital**



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2026 Conferenece Speakers

Dan Madrzykowki, Phd, PE

Dan is UL Research Institutes' Senior Director of Fire Safety Research. Dan has been conducting research to improve firefighter effectiveness and safety for over 40 years. He has a PhD in fire engineering from the University of Canterbury, a MS in fire protection engineering and a BS in mechanical engineering from University of Maryland.

Dan has assisted with the development of course materials for the IAFF, IAFC, IAAI, the NFA, and the NFPA. Dan is a member of the IFSTA Executive Board, and served on IFSTA validation committees for Fire Service Training, Structural Fire Fighting, and Fire Investigation. Dan is a fellow of the Society of Fire Protection Engineers.

Dan's firefighting research has been honored with many awards including: rank of Honorary BC in FDNY, IAFC Presidents award, IFSTA Granito Award, and many more!

Robert Longseth PE, CFI, CFEI

Robert has over 20 years as a Forensic Engineer and has been involved in thousands of investigations both in electrical and mechanical systems. He has degrees in both electrical and mechanical engineering from the Colorado School of Mines. He is a registered Professional Engineer in 13 states and is a Board-Certified Engineering Diplomat in Forensic Engineering, through the National Academy of Forensic Engineers. Robert is a Certified Fire and Explosion Investigator through the National Association of Fire Investigators.

Robert has been working as part of the Consumer Product Safety Task Group to make recommendations to Underwriters Laboratories and the American National Standards Institute for changes to the safety standards for kitchen ranges, specifically addressing the propensity for the controls to accidentally activate. He also authored an article in the International Association of Arson Investigators on the subject, identifying a new test protocol for testing kitchen range controls.

In addition, Robert has been developing Smart Technology Tools to be used in fire investigations, including a phone based application that identifies the difference between arc sites on copper wires, and melted locations from thermal damage. He has also been working on a second phone based application that will provide reported lightning strikes in the area that can be accessed within 24 hours of a fire occurring.

Schedule

Opening Ceremonies at noon, class immediately following

Tuesday, Sept. 15

- Registration (11:00am - 12:00pm)
- Opening Ceremonies
- Presentation by Robert Longseth (PM Session only - No Lunch Provided)

Wednesday, Sept. 16

- Fire Dynamics (AM Session)
Lunch Provided
- Impact of Ventilation on Fire Patterns
- Evidenced Based Tools for Fire Analysis
General Meeting Immediately Following
Banquet Dinner (Social 6pm Dinner at 7pm)

Thursday, Sept. 17

- Li-Ion Batteries (AM Session)
- Case Studies
Lunch Provided
- Off-Site demonstrations (PM Session)

- Full Registration - \$275 per person
- Single day Registration - \$100 per person
- Multiple Registrants for a single company or municipality - \$250 per person
This is reserved for cities or companies making a single payment for more than one registrant
Contact us iaai-chapters@firearson.com for multiple registration invoicing and payment

Up to 20 hours of tested CEUs

Presented with the cooperation from:



Please contact us with any questions or concerns:
NEChapterIAAI@gmail.com

Register Today
www.nebraskaiiai.org