

ONSITE

ENGINEERING

LUCAS R. CHOUDEK

Electrical Engineer

Education:

BS in Electrical Engineering – 2013
Computer Science - Minor
Energy Engineering - Minor
Applied Mathematics - Minor
University of Minnesota, Duluth, MN

Continuing Education:

Hazwoper Refresher Training 29 CFR.1910.120 Class,
12/19, 8 Hours

Whitemore Fire Consultants “A Look Under the Covers”
Seminar, 11/19, 6 Hours

South Dakota Claims Seminar, 5/19

Iowa – Nebraska Chapter International Association of
Special Investigation Units 22nd Annual Training
Seminar & Annual Meeting, 4/19

Minnesota Chapter of IAAI “Fire & Arson Investigation”
Conference, 3/19

Whitemore Fire Consultants “Warning! This is a Test”
Seminar, 10/18

NAFI “International Symposium on Fire Investigation
Science & Technology”, 9/18, 3 days

Minnesota Chapter of IAAI “Fire & Arson Investigation”
Conference, 3/18

City of Aurora, CO Public Safety Training Center,
“Advanced Principles of Fire Dynamics”, 2/18, 24 Hours

Hazwoper Refresher Training 29 CFR.1910.120 Class,
11/17, 8 Hours

1st Aid, CPR, BBP and AED training, 11/17

Asbestos Awareness Training, 11/17

Confined Space Entry & Rescue Training, 11/17

NSPE-MN “OSHA & NFPA70E Based Electrical Safety in the Workplace”, 2 hours, 11/17

Whitemore Fire Consultants “Handling 1st & 3rd Party Subrogation & Liability Claims” Seminar, 9/17

Minnesota Chapter of IAAI “Fire Investigation” Conference, 3/17

“Alternative Fuel Vehicles Safety Training” NFPA/IAAI training program, 8 hours, 3/17

IAAI webinar “One Dimensional vs Two Dimensional Fire Investigation Experts”, 2/17

Hazwoper Certification, 40 hours, 10/16

Minnesota Fire Service Certification Board, NFPA 1001 Fire Fighter I – 2013 and Fire Fighter II – 2013, 10/16

NAFI’s International Symposium on Fire Investigation Science & Technology Conference, 9/16

Whitemore Fire Consultants “In the Beginning...Building a Subrogation Case” Seminar, 7/16

Wisconsin Chapter of IAAI’s Annual Fire and Arson Investigative Conference “Annual Spring Seminar”, 20 hours, 6/16

Scott County NFPA 1001 Fire Academy, Certificate of Completion, 3/16

Minnesota Chapter of IAAI “Fire & Arson Investigation” Conference, 20 hours, 3/16

Emergency Medical Responder Training, 2/16

Nebraska Chapter of IAAI's, Annual Fire and Arson Investigative Conference "Return to the Basics", 20 hours, 10/15

Wisconsin Chapter of IAAI's Annual Fire and Arson Investigative Conference "Annual Fall Seminar", 20 hours, 10/15

Iowa Chapter of IAAI's Annual Fire and Arson Investigative Conference, 19.25 hours, 9/15

"A Ventilation-Focused Approach to the Impact of Building Structures and Systems on Fire Development", IAAI's CFI Trainer course, 4 Hours

"Arc Mapping Basics", IAAI's CFI Trainer course, 4 Hours

"Digital Photography and the Fire Investigator", IAAI's CFI Trainer course, 4 Hours

"Documenting the Event", IAAI's CFI Trainer course, 4 Hours

"Effective Investigation and Testimony", IAAI's CFI Trainer course, 3 Hours

"Electrical Safety", IAAI's CFI Trainer course, 3 Hours

"Evidence Examination: What Happens at the Lab?", IAAI's CFI Trainer course, 4 Hours

"Fire Dynamics Calculations – Version 2.0", IAAI's CFI Trainer course, 4 Hours

"Fire Protection Systems", IAAI's CFI Trainer course, 3 Hours

"Introduction to Fire Dynamics and Modeling", IAAI's CFI Trainer course, 4 Hours

"Investigating Motor Vehicle Fires", IAAI's CFI Trainer course, 4 Hours

"Physical Evidence at the Fire Scene", IAAI's CFI Trainer course, 4 Hours

“Postflashover Fires”, IAAI’s CFI Trainer course, 4 Hours

“Process of Elimination”, IAAI’s CFI Trainer course,
3 Hours

“The Scientific Method for Fire and Explosion
Investigation”, IAAI’s CFI Trainer course, 3 Hours

“Using Resources to Validate your Hypothesis”, IAAI’s
CFI Trainer course, 2 Hours
Whitemore Fire Consultants “Back to the Basics”
Seminar, 5/15

Minnesota Chapter of International Association of
Arson Investigators -Fire and Arson Investigation
Conference, 4/15

MN Electrical Association Grounding & Bonding,
Overcurrent & Motors, 16 Hours, 4/15

Institute of Electronics and Electrical Engineers - Power
and Energy Society Transmission & Distribution
Conference & Exhibition, Chicago, IL, 4/14
North Central Engineers Conference, Hinckley, MN,
2014

49th Annual Minnesota Power Systems Conference,
Brooklyn Center, MN, 11/13

Experience:

**6/14 to Present OnSite Engineering & Forensic Services, Inc.,
Prior Lake, MN**

Forensic Electrical Engineer

Perform forensic electric failure analysis of electrical
service installations including underground feeders,
overhead service failures, electrical distribution
equipment, transformer failures, fuse failures. Identify
installation deficiencies of electrical installations in
commercial, industrial and residential structures.

**Professional
Affiliations:**

Member International Association of Arson Investigators
Member International Association of Arson Investigators
– Minnesota, Iowa, Nebraska and Wisconsin chapters
Member National Fire Protection Association
Member Institute of Electrical and Electronic Engineers
Member National Association of Fire Investigators -
International