



*The mission of the Center for Emergency Preparedness is to provide the highest quality hazardous material, homeland security and business continuity training, taught by professionals utilizing industry standards and best practices. We meet our clients' needs through customized courses.*

# Winter 2019 Newsletter

*Happy New Year 2019*

**Make this the year to start your PSM Degree**

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## Spring 2019 Class Offerings:

### Political & Legal Foundations of Fire Protection UST 431, 3 Credit Hour Course, Spring Term 2019

This course examines the legal aspects of the fire service and the political and social impacts of legal issues, a review of the American legal system and political issues involving employment and personnel matters, administrative and operational matters, planning and code enforcement, and the legislative processes.

### Fire Prevention Organization and Management UST 429, 3 Credit Hour Course, Spring Term 2019

This course examines the factors that shape fire risk and the tools for fire prevention, including risk reduction education, codes and standards, inspection and plans review, fire investigation, research, master planning, various types of influences, and strategies.



**All classes are online!**

**Class begins January 12, 2019.**

**Contact Dr. Mary Myers at 216-687-2138 or [m.c.myers@csuohio.edu](mailto:m.c.myers@csuohio.edu) to reserve your registration.**

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# Implementing A Public Safety Small Unmanned Aircraft System (sUAS)/Drone Program



## The Ohio Attorney General's office is offering a Public Safety Small Unmanned Aircraft Drone training program.

Small Unmanned Aircraft Systems (sUAS) is a new, fast evolving technology which agencies are purchasing for various reasons. This course is designed to assist agencies in implementing a Small Unmanned Aircraft System Program. This course will cover the following: Part 107 v. COA (Certificate of Authorization), how to register their sUAS, National Space System (NAS), Apps, equipment needs, what is required to operate the aircraft, Pilot and Air Crew qualifications, Pilot/Maintenance Logbooks and why they are required, policy & procedures, FAA Part 107, and ongoing training.

**This course is restricted to Public Safety Personnel Only (Law Enforcement, Fire/EMS, Search & Rescue, & other agencies).**

| Course Dates      | Course Number | Cost     | Location     |
|-------------------|---------------|----------|--------------|
| April 3, 2019     | 06-764-19-01  | \$160.00 | London, Ohio |
| June 11, 2019     | 06-764-19-02  | \$160.00 | London, Ohio |
| September 3, 2019 | 06-764-19-03  | \$160.00 | London, Ohio |

**[Download the registration information here](#)**

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# Waking children with maternal voice smoke alarms



## **New study shows that maternal voice smoke alarms are more effective in waking children than conventional tone alarms**

There is a very good reason to be particularly fearful of a home fire while you are asleep. Almost half of all fatal home fires during the years 2014-2016 occurred between 11 p.m. and 7 a.m. Previous research also shows that while auditory tone alarms wake most adults, they are less likely to wake up children. The auditory stimulus needed to wake a child from sleep is greater than that for adults.

Researchers from the Center for Injury Research and Policy at Nationwide Children's Hospital (NCH) in Columbus, Ohio recently re-visited their findings from a previous 2006 study comparing parent voice and conventional tone smoke alarms. They used a larger sample size in the second study to confirm that a personalized maternal voice alarm is more successful in waking children than the conventional tone signal. They also examined whether using the child's name in the personalized voice alarm contributes significantly to waking a child.

### **Study results**

The team from NCH and Ohio State University compared the effectiveness of three maternal voice alarms and a conventional high-pitch tone alarm in waking 176 children between the ages of 5 – 12. They also tested whether the children could perform a self-escape procedure. The results showed that a maternal voice alarm was about three times more likely to wake a child than a tone alarm. In addition, 85 percent of the children woken by a maternal voice alarm had enough time to escape, compared to just 51 percent for the tone alarm.

### **Research takeaways**

- Maternal voice alarms outperformed a conventional high-pitch tone smoke alarm in waking up children in a home.
- Most of the children who awoke within 5 minutes of the voice alarm were also able to perform the escape procedure within the 5 minutes. Maternal voice alarm use may be able to reduce fire injuries and fatalities among children old enough to perform self-rescue.
- Using the child's first name did not increase the alarm effectiveness. A single voice alarm using the mother's voice can be effective for waking multiple children.

**[Read the entire report here](#)**

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# New report presents statistics on home electrical fires

## Residential Building Electrical Fires (2014-2016)

It's hard to imagine a home without electricity in the United States, but using it can have dangerous consequences. This report addresses the characteristics of home electrical fires from 2014 to 2016.

From 2014 to 2016, an estimated 24,000 **residential building electrical fires** were reported to United States fire departments each year.

These fires caused an estimated:



310 deaths

850 injuries

\$871 million in property loss



Residential building electrical fires resulted in over twice the dollar loss per fire than residential building nonelectrical fires did.



Residential building electrical fires occurred most often in one- and two-family dwellings (83 percent).



Residential building electrical fires occurred most often in the winter month of January (12 percent).

17%

In only 17 percent of residential building electrical fires, the fire spread was limited to the object where the fire started.



Residential building electrical fires most often started in bedrooms (15 percent) and attics or vacant crawl spaces (13 percent).

[Download the report here](#)

The U.S. Fire Administration recommends everyone should have a comprehensive home fire protection plan that includes smoke alarms, fire sprinklers, and practicing a fire escape plan.

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# What is Happening

## Community Risk Reduction 2019 Conference: Identify and Prioritize Local Risks

The ALL NEW 2019 Community Risk Reduction Leadership Conference is just for you! Sponsored by the IAFC Fire and Life Safety Section, the CRR Leadership Conference tackles CRR from the leadership perspective, highlighting proven best practices from concept to implementation to outcomes. Presentations will highlight the latest and greatest in CRR research. The conference will feature vendors, product demos, and previews of the latest tools and technologies to advance Community Risk Reduction locally.

**[Registration Information Here](#)**

## FEMA Releases IS-100.c Instructor Led Training Material

This course introduces the Incident Command System (ICS) and provides the foundation for higher level ICS training. The course describes the history, features and principles, and organizational structure of the Incident Command System. It also explains the relationship between ICS and the National Incident Management System (NIMS).

### What is the Instructor Led training (ITL) for?

- Some authorities having jurisdiction (AHJs) prefer/require students to attend their NIMS ICS training only in a resident (classroom delivery) fashion.
- The classroom materials (both instructor and student) are available for download on the FEMA Independent Study (IS) site.
- Testing for the ILT version will still be done through the IS website; certificates will be issued via the IS system.

### What are the instruction standards for the ILT version of 100.c?

- Approximately 8 classroom hours.
- One instructor required, two recommended.

### What are the instructor qualifications to teach the ILT version of 100.c?

- Lead and unit instructors should have successfully completed ICS-100, ICS-200, and IS-700.
- Lead instructors should have training and experience in adult education and have served as incident commander or in a command staff or general staff position.
- Recognized qualifications in techniques of instruction and adult education methodologies .

**[Access the training material here](#)**

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# Ohio Emergency Medical Service

## EMS Continuing Education Child Maltreatment Tutorial Module

The EMS for Children Committee of the State Board of Emergency Medical, Fire, and Transportation Services (EMFTS) and Nationwide Children's Hospital have developed a new injury prevention resource designed to help first responders identify potential child maltreatment situations and determine the appropriate course of action. The EMFTS Board has approved this web-based training for one hour of continuing education for EMS providers (EMR, EMT, AEMT, and paramedic).

The first in a series, "Child Maltreatment Tutorial: Definitions and Epidemiology" introduces the appropriate terminology and provides a review of ways to identify where child maltreatment may be present. The training is available on the Ohio Department of Public Safety Training Campus, located at: <https://trainingcampus.dps.ohio.gov/cm/cm710/pstc/pstc.html>

Upon completion of the training module participants will be issued a Certificate of Completion. Please contact the Division of EMS EMSC Coordinator at [EMSC@dps.ohio.gov](mailto:EMSC@dps.ohio.gov) with questions regarding this training opportunity. Additional modules on child maltreatment will follow.

## Elder Abuse MANDATORY REPORTER Training Material

House Bill 49 signed by Governor Kasich in June 2017 expanded the list of mandated reporters for elder abuse in Ohio. This bill also required the Ohio Department of Job and Family Services (ODJFS) to develop training materials for all mandated reporters. ODJFS has met this mandate by developing a series of reference guides, geared towards the various individuals and professional disciplines.

Each guide contains an overview of adult protective services (APS), specifically: statutory definitions pertaining to APS; indicators of elder maltreatment; guidance on how and where to report suspected elder abuse; and information on what happens after a report is made. In addition, each guide contains information specific to its audience. One publication is written for the mandated reporters working in the medical field; one written for legal and law enforcement professionals; and one is written for financial service providers. There is also a fourth guide written for all Ohioans that does not focus on any particular discipline or profession. A copy of each guide is included with this correspondence for your information and use, as applicable.

[Obtain the training material here](#)

**TRAIN as if your life depends on it!**

# Fire-Based EMS Organizations Release EMS Cost Reporting Proposal



Recently, a letter encouraging the adoption of an EMS cost-reporting mechanism modeled after the Ground Emergency Medical Transportation (GEMT) program was sent to the Centers for Medicare and Medicaid Services (CMS) from the IAFC, the International Association of Fire Fighters (IAFF), the Metropolitan Fire Chiefs Association (Metro Chiefs), the National Association of Emergency Medical Technicians and the National Volunteer Fire Council.

The GEMT has been actively used by more than 1,000 fire departments and ambulance services across several states since 2010. The IAFC believes that this approach will generate the most meaningful and highest quality of data.

These recommendations to CMS were developed through a joint working group of the IAFC, IAFF and Metro Chiefs. A longer report produced by this working group provides details and analyses of options for CMS on designing a process for cost-data collection.

The IAFC encourages all fire departments with an ambulance-transportation component to review their own cost-data information and read the IAFC's full letter and recommendations to CMS. Anyone seeking further information is encouraged to contact the IAFC EMS Section.

**[Download the letter here](#)**

## Police, firefighter retirees queasy over health-care change

The move to extend the solvency of the health-care fund for retired Ohio police officers and firefighters has left some retirees feeling queasy. The board of the Ohio Police and Fire Pension Fund acted earlier this year to shift from a self-insured group policy to providing a monthly stipend to allow retirees to buy their own health insurance beginning in 2019. The change is projected to reduce the fund's costs by \$25 million, to \$108 million next year, with projected savings increasing the life span of the near-\$900 million fund from nine years to 15 years. However, the coming change has not been without problems for some former first responders, led by complaints about the performance of London-based Aon, the company hired to help retirees find and buy insurance policies. Some retirees also have complained about a lack of insurance providers in some counties, while some believe that the fixed stipend for retirees younger than 65 and not yet covered by Medicare is inadequate.

**[Download the article here](#)**

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# LINKS OF INTEREST

## IAAI - CFI Trainer.net: Free Podcast - Fire Investigation and Cancer

[https://www.cfitrainer.net/Resources/Podcast.aspx?utm\\_source=Listrak&utm\\_medium=Email&utm\\_term=Click+here+to+listen.&utm\\_campaign=November2018+Podcast](https://www.cfitrainer.net/Resources/Podcast.aspx?utm_source=Listrak&utm_medium=Email&utm_term=Click+here+to+listen.&utm_campaign=November2018+Podcast)

## Vision 20/20 – CRR Radio: Free Podcast – Data tools for fire departments

<https://soundcloud.com/user-510212003/crr-radio-lori-moore-merrell-120718>

## Fire service training and professional development

<https://www.usfa.fema.gov/training>

## OSHA Announces National Safety Stand-Down to Prevent Falls May 6-10, 2019

<https://www.osha.gov/StopFallsStandDown>

## CPWR Infographic Provides Trench Safety Tips

[https://www.cpwr.com/sites/default/files/publications\\_handouts-and-toolbox-talks\\_infographics\\_trench-safety-infographic.pdf](https://www.cpwr.com/sites/default/files/publications_handouts-and-toolbox-talks_infographics_trench-safety-infographic.pdf)

## NFA announces changes to Executive Fire Officer Program

<https://www.usfa.fema.gov/training/nfa/programs/efop.html>

## The 21st Annual Emergency Management Higher Education Symposium, June 3 -6, 2019

<https://training.fema.gov/hiedu/>

## American Society of Public Administration / Section on Emergency and Crisis Management

<https://emdispatch.wordpress.com>

### Contact Information

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Please visit our web site at  
<http://levin.urban.csuohio.edu/cep>  
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