



NFPA[®]

CONFERENCE & EXPO[®]

JUNE 10-13, 2013 • CHICAGO, IL

**THE PREMIER
EVENT** IN
**FIRE & LIFE
SAFETY**

**McCORMICK PLACE
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Top 10 Reasons to Attend

Every year, thousands of the top fire, electrical, and building safety professionals from all over the country — and around the world — consider attendance at the NFPA Conference & Expo[®] a MUST. Why do they keep coming back? They know there's no better place to be when they're looking for ways to do a better job...update their knowledge... solve a problem...save money...make more money...keep up with their competition...and much more. There are plenty of great reasons to attend, including:

- 1 Get information you can use on the job immediately.**
Sessions are geared toward practical knowledge that makes even complex safety issues easy to understand and apply in the workplace.
- 2 Learn directly from the leading authorities.**
Conference speakers include the industry's top experts, providing their expertise and insight.
- 3 Gain up-to-date knowledge on current industry topics.**
NFPA helps develop the codes and standards, so you can be sure you're getting the most current technical information available.
- 4 Select sessions for your specific needs.**
With 12 tracks and more than 150 sessions to choose from, you can schedule your time to maximum advantage.
- 5 Earn valuable continuing education credits.**
CEUs will be awarded for most sessions and standards forums to help you keep up with your continuing education requirements.
- 6 Extend your training opportunities.**
Take advantage of pre- and post-conference seminars to get the maximum value from conference attendance.
- 7 Make your voice heard.**
Take part in shaping future codes and standards at the Association Technical Meeting.
- 8 Network with your peers.**
There will be plenty of opportunities to meet fellow professionals to exchange information and ideas.
- 9 Meet more than 300 top solution providers at the Expo.**
The exhibit hall will be filled with product and service experts willing to share their knowledge and help solve your problems.
- 10 Advance your career faster.**
Make connections and get industry insights—all in one place!

Schedule at a Glance

Saturday, June 8

Pre-Conference Seminars 8:00 am – 4:30 pm

Sunday, June 9

Committee Leadership Conference 8:00 am – 12:00 pm

Pre-Conference Seminars 8:00 am – 4:30 pm

Monday, June 10

Pre-Conference Seminars 8:00 am – 3:30 pm

Education Sessions 8:00 am – 12:00 pm

General Session 1:00 pm – 3:00 pm

Grand Opening of the Expo 3:30 pm – 7:30 pm

Networking Reception in the Expo Hall **SIEMENS** 6:30 pm – 7:30 pm

Grand Prize Giveaway **EDWARDS** 7:15 pm

Tuesday, June 11

Featured Presentation 8:00 am – 9:00 am

Education Sessions 9:30 am – 12:30 pm

Expo 11:00 am – 4:00 pm

Grand Prize Giveaway **EDWARDS** 3:45 pm

NFPA Standards Forum 1:30 pm – 5:30 pm

Education Sessions 2:45 pm – 5:15 pm

Wednesday, June 12

Education Sessions 8:00 am – 12:00 pm

Expo 10:00 am – 2:00 pm

Grand Prize Giveaway **EDWARDS** 1:45 pm

Association Technical Meeting 2:00 pm – close of Association Technical Meeting

Thursday, June 13

Association Technical Meeting 8:00 am – completion

Friday, June 14

Post-Conference Seminars 8:00 am – 4:30 pm

Conference Tracks

Use these 12 convenient tracks as a guide for planning your session attendance.

This year's conference offers more than 150 educational sessions, divided into tracks to help you find the sessions that best meet your professional needs. Determining your attendance schedule in advance is the best way to maximize the value of the time you have to spend.

Building & Life Safety 17 Sessions

Technologies, best practices, and statistical data needed by designers, engineers, and building and fire officials responsible for plans review, inspections, and other building-related tasks.

Codes & Standards 51 Sessions

Expert guidance on the practical application of NFPA codes and standards, as well as information on recent updates and changes.

Detection & Notification 10 Sessions

Code requirements and design issues affecting the application of new technologies in alarm and signaling systems, and the impact of maintenance on system performance.

Electrical 13 Sessions

Best practices in the electrical industry and how they are influenced by new electrical design issues, successful maintenance programs, effective inspection techniques, and safety programs.

Emergency Preparedness/ Business Continuity 10 Sessions

The latest methodologies for accurately assessing risks and consequences, emergency preparedness, contingency planning, and incident management and recovery capabilities.

Fire & Emergency Services 46 Sessions

A look at what's new in fire-fighting technology, safety preparedness for first responders, incident command strategies, and fire prevention and inspection techniques.

Fire Protection Engineering 14 Sessions

Ideas for meeting fire protection challenges using computer modeling, field testing, post-incident analyses, and other methods for developing performance-based building solutions.

Fire Suppression 25 Sessions

The importance of proper design, installation, inspection, testing, maintenance, and plan review to sprinkler system effectiveness.

Green 3 Sessions

How environmentally-friendly initiatives affect the design, maintenance, and testing of fire and life safety systems and components.

Loss Control/Prevention 13 Sessions

Strategies for mitigating risk through accurate assessment of occupancy and commodity classification, enhanced reliability of fire protection systems, and other risk factors.

Public Education 19 Sessions

New planning strategies and creative solutions for meeting the challenges of effective public fire and life safety education.

Research 34 Sessions

The latest research into critical fire and life safety initiatives, including the reliability of emerging technologies.

CONFERENCE HIGHLIGHTS

General Session

MONDAY, JUNE 10 • 1:00 – 3:00 PM



Chair's Remarks

Philip C. Stittleburg

Chair, NFPA Board of Directors



President's Report

James M. Shannon

NFPA President & CEO



Keynote Address • Arie Crowne Theatre

Team of Rivals: The Leadership Lessons from Abraham Lincoln

Doris Kearns Goodwin

Doris Kearns Goodwin, world-renowned historian and author of the best-selling book *Team of Rivals: The Political Genius of Abraham Lincoln*, will share lessons in leadership, building and maintaining teams in the midst of trying circumstances and overcoming obstacles

on the path towards your goal. She will also share her experience with the feature film *Lincoln* which opened to rave reviews and received 7 Golden Globe and 12 Oscar nominations. Please join us for inspiration and historical insights that transcend time!

Featured Presentation

TUESDAY, JUNE 11 • 8:00 – 9:00 AM

The Pentagon, Fire and Life Safety—Ten Years Later



William J. Fries III

Fire Marshal & Supervising Fire Protection Engineer,
U.S. Department of Defense

Ariam C. Kloehn

Deputy Fire Marshal & Fire Protection Engineer,
U.S. Department of Defense

Fire protection and life safety features have significantly changed at the Pentagon during the ten plus years since the 9/11 terrorist attack on the building and its occupants. This session will discuss the changes made to enhance passive and active protection and life safety systems for the world's largest office building. A project of this magnitude has many partners, unique problems, and "politics." Case study examples will be shared, as well as the application and use of international building codes, NFPA standards, DoD Uniform Facilities Criteria, and code "plus" additions to reach solutions.

EDUCATION SESSIONS

Sunday, June 9

Committee Leadership Conference (CLC)

8:00 AM – 12:00 PM
Codes & Standards

To create effective codes and standards that protect lives, NFPA relies on the democratic procedures of its codes and standards development process. The Committee Leadership Conference (CLC) will show NFPA technical committee officers and members how to carry out their duties and responsibilities. This session will be based on the new *Regulations Governing the Development of NFPA Standards*. Please note that a more in-depth, advanced review of the new process and associated software will be done at the Standards Forum on Tuesday June 11, 2013 at 1:30 pm. The CLC is open to anyone who wishes to attend. Advance registration is required. Please contact the Codes and Standards Administration at 617-984-7246 or by email at stds_admin@nfpa.org.

Monday, June 10 8:00 AM – 12:00 PM (except as noted)

CFPS® Exam* (M01)

7:30 – 11:00 AM

Pre-exam activities begin at 7:30 am. The CFPS® Exam begins promptly at 8:00 am. Pre-registration is required. Your application form must be processed and approved by Friday, May 10. Go to nfpa.org/cfps and select “how to become certified” for the CFPS examination requirements and the application form.

8:00 – 9:00 AM

Performance Requirements for Emergency Responder Interoperable Electronic Equipment (M02)

Fire & Emergency Services | Research

NFPA 99 2012 Risk Categories — What They Are and Examples of Their Use (M03)

Building & Life Safety | Codes & Standards

Emergency Power Standards for Health Care Under the 2012 Codes (M04)

Codes & Standards | Electrical

Fire Detection Performance and Requirements in High Airflow Environments (Data Centers and Telecommunications) (M05)

Detection & Notification

Large Loss Fires and Their Connection with Fire Sprinkler Performance (M06)

Fire Suppression | Research

HazCom 2012 Changes — What and When (M07)

Codes & Standards

Investigation of Electrical Receptacle Fires (M08)

Research

Designing Fire and Life Safety Education Programs on a Dime (M09)

Public Education

SR 99 Tunnel Fire and Life Safety Systems Overview (M10)

Fire Protection Engineering

Smoke Alarm Response and Tenability in Residential Structures (M11)

Detection & Notification | Research

Microbiologically Influenced Corrosion — An Overview (M12)

Fire Suppression

Selection and Development of a Greenfield Manufacturing Site (M13)

Codes & Standards

Case Study: One Approach to Combustible Dust Explosion Protection Using ATEX and NFPA (M14)

Codes & Standards | Loss Control/Prevention

Wildfire in the Built Environment; A Case Study of the Waldo Canyon Wildfire in Colorado Springs (M15)

Fire & Emergency Services

Firefighting Tactics for Combustible Metal Roof Decks (M16)

Fire & Emergency Services | Research

Protection for Storage Occupancies 101 (M17)

Fire Suppression

The Benefits of Your Community Adopting the Most Current NEC (M18)

Codes & Standards | Electrical

9:30 – 10:30 AM

Fire and Smoke Barrier Continuity and Firestopping (M20)

Building & Life Safety | Codes & Standards

Effect of High Discharge Pressure on Sprinkler Performance (M21)

Fire Protection Engineering | Research

NFPA 1033: Practical Application and Updates (M22)

Codes & Standards | Fire & Emergency Services

Health Care Hot Topics and AHJ Interpretations (M23)

Codes & Standards

Preventing the Unthinkable: Prevention and Public Education for the Special Needs Population (M24)

Public Education

Bridging the Gap between Fire Suppression and Prevention (M25)

Fire & Emergency Services

TVO Kids Push the Button Campaign (M26)

Fire & Emergency Services | Public Education

Applying NFPA 25: Design Evaluation vs ITM (M27)

Codes & Standards | Fire Suppression

Interfacing Elevator Controls with Fire Alarm and Sprinkler Systems (M28)

Codes & Standards | Fire & Emergency Services

Parameters for Indirect Viewing of Visual Signals Used in Emergency Notification (M29)

Detection & Notification | Research

Assessment of Total Evacuation Systems for Tall Buildings (M30)

Building & Life Safety | Research

Performance of Smoke Detectors and Sprinklers in Commercial Occupancies (M31)

Fire Protection Engineering | Research

Management of Time-Sensitive Reactive and Unstable Chemicals (M32)

Loss Control/Prevention

Bushfire and Community Safety in Australia (M33)

Fire & Emergency Services | Research

Changes to NFPA 70E, 2015, Standard for Electrical Safety in the Workplace (M34)

Codes & Standards | Electrical

Risk Management in the Fire Service (M35)

Fire & Emergency Services



EDUCATION PROVIDER

CEUs – Continuing education units (CEUs) will be awarded for all education sessions, except those marked with an asterisk(*). You will be awarded 0.1 CEU for a one-hour session, 0.2 CEUs for a two-hour session, etc. Full participation in a session is required for CEU credit.

Please go to nfpa.org/conference for sessions that are approved for GBCI CE hours.

2013 NFPA Mobile App Preview the conference handouts, access session and speaker info, preview expo details, and organize your schedule. The 2013 NFPA Mobile App will be available in early May for your smart phone or tablet and updated with easy-to-use interactivity!

FOR INFORMATION
AND TO REGISTER VISIT
nfpa.org/conference
OR CALL 1-800-344-3555

11:00 AM – 12:00 PM

Evaluation of Water Additives for Fire Control and Vapor Mitigation (M38)
Research

Flammability Characterization of Lithium Ion Batteries for Storage Protection (M39)
Fire Suppression | Research

Investigating Fires and Explosions: How Courts Are Utilizing NFPA 921 to Judge the Conduct of Investigators, Engineers, and Insurance Companies (M40)
Codes & Standards | Fire & Emergency Services

Process Safety and OSHA: Seven Keys to Surviving a Chem NEP Audit (M41)
Loss Control/Prevention

Community Risk Reduction – A Positive Experience in the U.S. (M42)
Fire & Emergency Services | Public Education

The Ripple Effects of the Adoption of the 2012 Life Safety Code® on the Health Care Industry (M43)
Codes & Standards

Buyer Beware: Counterfeit Electrical Products (M44)
Electrical | Public Education

High-Rise Evacuation for People with Special Needs (M45)
Fire & Emergency Services

NFPA 13 Sprinkler Omission Rules Explained (M46)
Codes & Standards | Fire Suppression

Fundamentals of PPE Design and Use for Arc Flash and Flash Fire Hazards per NFPA 70E and NFPA 2112 (M47)
Codes & Standards | Electrical

Overview and Update on NFPA 1730 — Fire Prevention Organization and Deployment (M48)
Fire & Emergency Services | Public Education

Overview of Fire Protection and Life Safety Construction Quality Control (M49)
Building & Life Safety | Fire Protection Engineering

Mass Notification System Maintenance — A College Perspective (M50)
Detection & Notification |
Emergency Preparedness/Business Continuity

Industrial Firefighting Training — An Australian Perspective (M51)
Loss Control/Prevention

Moving Beyond RACE: The Next Step in Health Care Fire Safety (M52)
Emergency Preparedness/Business Continuity

1:00 – 3:00 PM • General Session • Philip C. Stittleburg, James M. Shannon and Keynote Address by Doris Kearns Goodwin

Tuesday, June 11 8:00 AM – 12:30 PM (except as noted)

8:00 – 9:00 AM • Featured Presentation • The Pentagon, Fire and Life Safety — Ten Years Later William J. Fries III and Ariam C. Kloehn of the U.S. Department of Defense

9:30 – 10:30 AM

Emergency Responder Research to Practice (T02)
Fire & Emergency Services | Research

Cracking the Code: Code Basics for Non-Code People (T03)
Codes & Standards | Public Education

Identifying Hidden Hazards That Can Lead to Pressure Explosions (T04)
Loss Control/Prevention

Electrical Safety — A Shared Responsibility (T05)
Electrical

Residential Cooking Safety Report and Recommendations (T06)
Fire & Emergency Services

International Approaches to Performance-Based Design of the SFPE Case Study (T07)
Building & Life Safety | Codes & Standards

Accessibility and ADA: 2010 ADA Standards for Accessible Design (T08)
Building & Life Safety | Codes & Standards

The Risk of Methicillin-Resistant Staphylococcus Aureus (MRSA) Exposure, Colonization and Infection in EMS Personnel and the Patients They Treat (T09)
Fire & Emergency Services | Research

Testing and Reclassification of Aerosol Cooking Oil Sprays (T10)
Fire Suppression | Loss Control/Prevention

A Risk-Based Decision Support Tool to Assist Fire Departments in Managing Unwanted Alarms (T11)
Fire & Emergency Services | Research

Combustible Metal Fire and Explosion Case Studies (T12)
Loss Control/Prevention | Research

Sprinkler Technology — Storage (T13)
Codes & Standards | Fire Protection Engineering

Hospital High-Rise Fire and Incident Management Scenario (T14)
Building & Life Safety | Fire & Emergency Services

Using Live Side-by-Side Burns to Enhance Controlled Training Fires to Educate and Advocate for Greater Safety (T15)
Fire Suppression | Public Education

Electrical Transformer Fire Detection and Suppression (T16)
Detection & Notification | Fire Suppression

Responders/Workers at Risk during Disaster Recovery and Cleanup (T17)
Emergency Preparedness/Business Continuity
Loss Control/Prevention

2013 National Fire Alarm and Signaling Code — Changes (T18)
Codes & Standards | Detection & Notification

(Continued on next page)



The *NFPA Journal Latinoamericano*® is sponsoring a hospitality suite where education sessions in Spanish will be offered. For more information please visit: www.congresonfpa.com.

El *NFPA Journal Latinoamericano*® nuevamente patrocinará un salón de hospitalidad donde se llevarán a cabo sesiones en español. Para obtener mayor información visítenos en www.congresonfpa.com.

EDUCATION SESSIONS

Tuesday, June 11 (continued)

11:00 AM – 12:30 PM

The Basics Every First Responder Needs to Know About the Disability Community (T22)

Emergency Preparedness/Business Continuity
Fire & Emergency Services

Understanding the U.S. Firefighter Fatality Problem in 2012 (T23)

Fire & Emergency Services | Research

Industrial/Ammonia Refrigeration — Inspection and Emergency Response Considerations (T24)

Fire & Emergency Services | Loss Control/Prevention

Analysis of Changes — 2014 NEC (T25)

Codes & Standards | Electrical

NFPA 101 for Health Care — 2000 to 2012 Update and Review (T26)

Building & Life Safety | Codes & Standards

Code Application for Downtown Revitalization Projects (T27)

Building & Life Safety | Codes & Standards

NFPA 25, 2014 Edition: What Is New and Different? (T28)

Codes & Standards | Fire Suppression

Smoke Alarm Codes, Standards, and Listings: An Update from UL (T29)

Public Education | Research

Models in Fire Prevention: Effective Community Risk Reduction (T30)

Fire & Emergency Services | Public Education

Disaster Sheltering for General Population and First Responders (T31)

Emergency Preparedness/Business Continuity
Fire & Emergency Services

Diamonds are Forever! Using NFPA 704 in a Globally Harmonized World (T32)

Codes & Standards | Fire & Emergency Services

The Myths and Mysteries of NFPA 921 and NFPA 1033 (T33)

Codes & Standards

What Fire Protection Engineers Should Know About Firefighting (T34)

Fire Protection Engineering | Fire Suppression

The Intersection of Fire Safety and Sustainable Building Design (T35)

Green | Research

Residential Sprinkler Update (NFPA 13/13R/13D) (T36)

Codes & Standards | Fire Suppression

1:30 – 5:30 PM

NFPA Standards Forum (T38) NFPA has streamlined and simplified the Codes and Standards Process. At this session, technical committee members and interested parties will hear about the latest changes to the *Regulations Governing the Development of NFPA Standards* and the associated software under development. Attendees will see the Electronic Submission System available on NFPA's website. This system allows the public to electronically submit Public Input (formerly Proposals) and Public Comments (formerly Comments) directly to the document; After the closing dates, users can virtually render a "publication ready" document. At this forum, Technical Committee members will learn how easy it is to use this system which will ultimately simplify committee meetings. (CEUs do not apply)

2:45 – 3:45 PM

Best Practices for Emergency Response to Incidents Involving Electric Vehicle Battery Hazards (T40)

Fire & Emergency Services | Research

Evaluating Fire Protection for Automatic Storage and Retrieval Systems (T41)

Fire Suppression | Research

Flame Detection For Silane and Other Pyrophoric Non-Hydrocarbon Fires (T42)

Codes & Standards | Detection & Notification

The Critical Role of Prevention in Reducing Youth Firesetting in a Community (T43)

Public Education

Road Tunnel Fire Safety — Compatibility of Fixed Suppression and Evacuation (T44)

Fire Suppression

Antifreeze Solutions in Sprinkler Systems (T45)

Fire Suppression | Research

Case Study: Staying In Business — Holding Back a Flood for 111 Days (T46)

Emergency Preparedness/Business Continuity

NFPA 79 — Significant Changes for 2015 (T47)

Electrical

Photovoltaic Panel All Hazard Assessment (T48)

Green

Risk Identification and Mitigation in EMS Systems (T49)

Codes & Standards | Fire & Emergency Services

Firefighter Health Hazards in the New Fire Environment (T50)

Fire & Emergency Services

Design Flexibility in Managing Dust Explosion Hazards (T51)

Codes & Standards | Loss Control/Prevention

Using Social Media to Expand Your Safety Message Outreach (T52)

Fire & Emergency Services | Public Education

From Collaboration to Completion: Building Information Modeling (BIM) for Fire Protection Engineers (T53)

Fire Protection Engineering

Justification of a Natural Ventilation Smoke Control Design for a Complex Atrium (T54)

Building & Life Safety

Residential Fire Dynamics (T55)

Fire Protection Engineering | Research

4:15 – 5:15 PM

Get Out Safely Using NFPA's Emergency Evacuation Planning Guide for People with Disabilities (T60)

Building & Life Safety

Sprinkler Protection Criteria for Exposed Expanded Group A Plastics (T61)

Fire Suppression | Loss Control/Prevention

Foam for Interior Attack: Myths and Reality (T62)

Fire & Emergency Services | Research

Reduced Ignition Propensity Cigarettes: Is There a Difference in the Smoldering Ignition Hazard? (T63)

Research

Changes to the 2014 Edition of the Standard on Commercial Cooking (NFPA 96) (T64)

Codes & Standards | Fire Suppression

Let's Make This Year the Year to Do Something About the Response to Unwanted Alarm System Initiated Incidents — Collaborate to Solve Some Issues (T65)

Fire & Emergency Services

The State of the Science in Fireground Rehab (T66)

Fire & Emergency Services | Research

A Cooperative Approach to Reducing the Risks of Vacant Properties (T67)

Building & Life Safety | Public Education

Fundamentals of Combustible Dusts, Where Are They Now? (T68)

Codes & Standards | Loss Control/Prevention

Fire Alarm System Documentation Requirements — Understanding the New Chapter 7 (T69)

Codes & Standards | Detection & Notification

Taking Your Social Media Presence to the Next Level (T71)

Fire & Emergency Services | Public Education

Deployment of Hydrogen Fuel Cells — Safety Considerations and Resources (T72)

Codes & Standards | Green

Case Study: Abu Dhabi International Airport Midfield Terminal Building (MTB) — Fire Safety Strategy (T74)

Building & Life Safety

Wednesday, June 12 8:00 AM – 12:00 PM

8:00 – 9:00 AM

Retro-Commissioning and Retro-Integrated System Testing: Back to the Future (W01)
Codes & Standards

Evaluating Codes for Non-Fire and Non-Emergency Events (W02)
Building & Life Safety | Codes & Standards

Hazard Analysis — What Does It Mean for Combustible Dust Applications? (W03)
Codes & Standards | Loss Control/Prevention

Impact of Home Fire Sprinklers on Fire Injury (W04)
Fire Suppression | Public Education

Bullets, Gun Powder, and Primers! Oh My! What Really Happens to Small Arms Ammunition in a Fire? (W05)
Codes & Standards | Fire & Emergency Services

Recent Developments in Clean Fire Suppression Agents (W06)
Fire Protection Engineering | Fire Suppression

Fire Performance in Earthquake Damaged Buildings: Overview of Test Program and Preliminary Findings (W07)
Fire Protection Engineering | Research

What 30 Years of Emergency Service Vehicle Driver Training Has Taught Us (W08)
Fire & Emergency Services

All Hazards Emergency Response Teams (ERT) — Public and Private Partnerships (W09)
Fire & Emergency Services

Health Care — Looking Into the Future of Regulations (W10)
Codes & Standards

The Basics of Electrical Hazardous Locations (W11)
Electrical

Hitting the Target (W12)
Fire & Emergency Services | Public Education

Protecting Vegetable Oil in Consumer Packaging in 40-Foot High Buildings (W13)
Fire Protection Engineering | Fire Suppression

How to Deal with Fire Escapes in the Twenty-First Century (W14)
Building & Life Safety | Codes & Standards

Hurricane Hardened Emergency Systems — What COPS Means to Your Facilities (W15)
Electrical

Fire Performance Evaluation of K25 Standard-Response Upright Sprinkler for Protection of Rack Storage of Group A Plastic Commodity (W16)
Fire Protection Engineering | Fire Suppression

9:30 – 10:30 AM

Assessing the List of Typical Oxidizers (W20)
Codes & Standards | Loss Control/Prevention

Fire Sprinkler Initiatives: A Case Study of Creative Implementation (W21)
Fire & Emergency Services

Sprinkler Protection for Cloud Ceilings (W22)
Fire Suppression | Research

Performance Based Design: Fire Alarm Visual Notification Appliances — Mathematical Guide (W23)
Codes & Standards | Detection & Notification

How to Design and Deliver an Effective Fire Safety Presentation (W24)
Fire & Emergency Services | Public Education

NFPA 99, 2012 Medical Gas and Vacuum Systems Code Update (W25)
Codes & Standards

NFPA 70E Approach to Considering DC Hazards (W26)
Codes & Standards | Electrical

Life Safety and Special Event Emergency Operations Planning (W27)
Building & Life Safety
Emergency Preparedness/Business Continuity

Plastic Aerosols: A Unique Path to the Market (W28)
Fire Protection Engineering | Fire Suppression

Applying Reliability Based Decision Making to ITM Frequency for Fire Protection Systems and Equipment (W29)
Codes & Standards | Research

Working Together for One Response — The Chicago Fire Department and Iconic Willis Tower (W30)
Emergency Preparedness/Business Continuity
Fire & Emergency Services

Completing a Health Care FSES — What You Need to Know in Order to Execute a Successful Submittal (W31)
Building & Life Safety

The Investigation of NM Cable Ignition under Voltage Surge (W32)
Electrical

What's New and What Has Changed in NFPA 1582, 2012 Edition (W33)
Codes & Standards | Fire & Emergency Services

National Fire Incident Reporting System (NFIRS) — Nationwide, Statewide, and Local Fire Data at Your Fingertips (W34)
Fire & Emergency Services | Public Education

Testing of a Passive Fire Protection Approach to IBCs in Operations (W35)
Research

11:00 AM – 12:00 PM

Notification Appliance Requirements of NFPA 72, 2013 Edition (W40)
Codes & Standards | Detection & Notification

Theoretical Approach to Discharge Criteria for Storage Occupancies Under Sloped Ceilings (W41)
Research

Fire and Life Safety Messaging: What to Say and How to Say It (W42)
Public Education

Traffic Incident Management: Protecting Our First Responders and Motorists (W43)
Fire & Emergency Services

What Is the Latest from UL on Gasoline/Ethanol Blends? (W44)
Research

Combustible Dust: Firefighting Precautions (W45)
Emergency Preparedness/Business Continuity
Fire & Emergency Services

Firefighter Safety and the Building Codes: A Necessary Partnership (W46)
Codes & Standards | Fire & Emergency Services

Improving Fire and Life Safety for People with Disabilities (W47)
Emergency Preparedness/Business Continuity
Public Education

Looking Ahead: The Fire Protection Research Foundation's Strategic Research Agenda (W48)
Research

Engineering Performance of Water Mist Fire Protection Systems with Antifreeze (W49)
Fire Suppression | Research

Changes and Challenges in NFPA Pro-Qual (W50)
Fire & Emergency Services

The Global Code Compliance Puzzle (W51)
Codes & Standards

Reviewing Sprinkler Hydraulics (W52)
Fire Suppression

Applying Arc Flash Reduction Maintenance Systems (W53)
Codes & Standards | Electrical

Inspect, Protect, and Collect — Changes to 2013 NFPA 80, Standard for Fire Doors and Other Opening Protectives (W54)
Building & Life Safety | Codes & Standards

Behind the Curtain: Safety Backstage in Live Event Theatrical Productions (W55)
Building & Life Safety | Fire & Emergency Services

The Vulcan Initiative — A Web-based Platform for the Next Generation of Performance-Based Fire Protection Engineering (W56)
Fire Protection Engineering | Loss Control/Prevention

PRE- AND POST-CONFERENCE

3-Day Seminars

Sat/Sun/Mon, June 8-10

Note: 3-Day Seminars conclude at 3:30 pm on Monday to allow FREE EXPO attendance. Visit the opening of the NFPA Expo after your seminar to evaluate hundreds of products and services! Stay for the Networking Reception at 6:30 pm and connect with your peers.

NFPA 70E® Electrical Safety in the Workplace Certificate

Drake Drobnick, Safety Engineer Consultant, a Certified Safety Professional (CSP), and an Occupational Health and Safety Technologist (OHST)

Get the clear, authoritative instruction you need to identify electrical safety hazards in the workplace and reduce employee exposure to those hazards. This expert-led seminar helps you understand *NFPA 70E®: Standard for Electrical Safety in the Workplace*, the Standard originally developed at OSHA's request. Dynamic classroom instruction addresses the 2012 *NFPA 70E*, including the new direct current (dc) task table and how to correctly perform "hazard identification" and "risk assessment." Don't let tragedies happen on your watch! Whether you are an employer responsible for personnel safety or an employee tasked with identifying and addressing electrical hazards, this seminar is the key to saving lives. (Includes a copy of the 2012 *NFPA 70E*)

NFPA 72® National Fire Alarm and Signaling Code (2013)

Richard Roux, SET, FAI, FAM, Senior Electrical Specialist, NFPA

Understand critical Code provisions by participating in this interactive, redesigned NFPA seminar. An activity-rich course taught by industry authorities addresses initiating devices, notification appliances, control units and power supplies, circuits and pathways, and emergency control functions. It's a unique opportunity for system designers, installers, contractors, auditors, and project managers to broaden their fire alarm and signaling system expertise. (Includes a copy of the 2013 *NFPA 72*)

NFPA 13 Installation of Sprinkler Systems (2013)

Gerald Schultz, PE, Principal, The Fire Protection International Consortium, Inc.

Water-based fire protection strategies have recently changed! Benefit from state-of-the-art training on how to apply today's NFPA 13: *Installation of Sprinkler Systems* based on hazard classification. Collaborative exercises and interactive discussion led by sprinkler authorities share vital fundamentals and the knowledge needed for top-quality work. Engineers, plan reviewers, designers, installers, and inspectors will get up-to-date on compatibility requirements for nonmetallic piping; the latest on antifreeze, and heat tracing; new backflow preventer rules; updated elevator provisions; and other changes in the 2013 NFPA 13. (Includes a copy of the 2013 NFPA 13)

NFPA 101® Life Safety Code®

Ron Coté, PE, Principal Life Safety Engineer, NFPA

NFPA 101® continues to address new technologies and design approaches. This engaging seminar provides the tools you need to apply requirements, including new Code rules for interior finish and elevators. Hands-on exercises let you verify your knowledge. Ideal for facility or risk managers, inspectors, safety directors, and anyone responsible for occupant safety and Code compliance. (Includes a copy of the 2012 NFPA 101)

2-Day Seminars

Sat/Sun, June 8-9

NFPA 72® Inspection, Testing, and Maintenance of Fire Alarms Certificate (2013)

Warren Olsen, CFPS CBO, Fire Protection Consultant, and Partner, FSCI-Fire Safety Consultants, Inc.

Gain the know-how to navigate and apply the 2013 *NFPA 72: National Fire Alarm and Signaling Code's* inspection, testing, and maintenance requirements. Get a firm grasp of how to ensure system readiness, improve system effectiveness, and achieve fire protection objectives. This course addresses changes in the 2013 *NFPA 72* and how to identify Code deficiencies in the field. Provides essential training for anyone concerned with system reliability, including architects, system engineers, maintenance professionals, and fire marshals. (Includes a copy of the 2013 *NFPA 72*)

NFPA 1 Fire Code

James Dolan, Regional Manager, NFPA

Fire safety, life safety, and property protection depend on your ability to correctly apply information in NFPA 1: *Fire Code* in a wide range of scenarios. Gain a thorough understanding of provisions — especially those concerning sprinklers, fire alarms, means of egress, and fire lanes. Fire protection engineers, architects, and other professionals need a firm grasp of NFPA 1: *Fire Code*, and this training program delivers. (Includes a copy of NFPA 1)

NFPA 25 Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems Certificate

Brandon Frakes, CFPS, Senior Consultant, XL Global Asset Protection Services

Sprinklers are highly effective, but even the best designed system can fail with improper maintenance. Get a firm grasp of how this code works to ensure systems are ready for action. Discussion will cover inspection and testing rules for components, the owner's responsibilities for compliance, signs of corrosion, and the process for managing impairments. Anyone who evaluates water-based fire protection systems — including maintenance managers, contractors, building owners, and fire inspectors — will benefit. (Includes a copy of NFPA 25)

Certified Fire Protection Specialist (CFPS) Primer

Michael Kernan, CFPS, Maryland Fire Research Institute (MFRI), University of Maryland

Success on the CFPS exam demands a high level of proficiency with the fire, life, and building safety facts in NFPA's 20th edition *Fire Protection Handbook® (FPH®)*, which serves as the official body of knowledge for the exam. While not a test prep seminar, the CFPS Primer does offer practical, hands-on instruction that will help you quickly locate specific information within the *FPH*. (Includes the 2-volume *FPH*; The CFPS exam is offered in pencil-and-paper format on Monday. Pre-qualification is required to sit for the exam. For details on CFPS certification and to obtain a CFPS exam application, go to nfpa.org/certification.)

NFPA 921 Fire and Explosion Investigations

Dennis Smith, Senior Fire Expert, Premier Fire Consulting Services, LLC

Become more proficient at determining the origin and cause of fires using the procedures and guidelines in NFPA 921 for conducting safe, thorough, and effective investigations. We will teach the core chapters of NFPA 921, including basic methodology, basic fire science, fire patterns, electricity and fire, appliances, spoliation, origin determination and cause determination. Fire inspectors and investigators, forensic engineers, litigators, and insurance loss control specialists will all benefit. (Includes a copy of NFPA 921)

NFPA 99 Health Care Facilities Code

Richard Bielen, PE, Director of Fire Protection Applications and Chemical Engineering, NFPA and **Jonathan Hart**, Associate Fire Protection Engineer, NFPA

NFPA 99 reflects the new environment of patient care — where procedures are performed in a wide variety of locations, requiring safety guidelines based on a risk-based framework to facilitate adoption and enforcement. Health care authorities and NFPA 99 experts guide you through the Code's revised copy and complete reorganization, taking an in-depth look at how to conduct a risk-based analysis. Exercises give engineers, facility managers, AHJs, plumbers, gas and vacuum system installers, and others an essential working knowledge of the Code. (Includes a copy of NFPA 99)



SEMINARS

NFPA 654 Dust Explosion Hazards (2013)

Guy Colonna, PE, Division Manager, Industrial and Chemical Engineering, NFPA

Learn how to analyze typical examples of dust hazardous areas and apply 2013 NFPA 654 to manage hazards in a manner consistent with fire and building codes and OSHA's Combustible Dust National Emphasis Program (NEP). We will review recent incident data; examine case studies; and discuss federal, state, local, and NFPA code and standard requirements. Upon completion, you should be able to: identify, evaluate, and control dust fire and explosion hazards; list combustible dust properties and characteristics, and apply them to the hazard; and define key terms describing combustible dusts. (Includes a copy of the 2013 NFPA 654)

NFPA 1600 Disaster/Emergency Management and Business Continuity Programs

Dean Larson, PhD, President, Larson Performance Consulting, LLC

Acknowledged by both the Department of Homeland Security and the 9/11 Commission, the national preparedness standard provides a "total program approach" to the challenge of integrating disaster and emergency management with business continuity planning. You will learn to use a standardized process to mitigate and prepare for disasters and emergency situations, while developing response and recovery plans. Whether you are establishing a new program or reviewing and improving your existing program, you will find this practical seminar essential. (Includes a copy of NFPA 1600) Only available in Chicago!

Special Suppression Systems

Milosh Puchovsky, PE, FSFPE, Professor of Practice in the Department of Fire Protection Engineering and Director of Corporate and Professional Education at Worcester Polytechnic Institute

This seminar will provide an overview of the major requirements in the NFPA codes and standards that deal with suppression systems. Discussion will cover: NFPA 11 (low, medium, and high expansion foam), NFPA 12 (carbon dioxide extinguishing systems), NFPA 15 (water-spray fixed systems), NFPA 17 (dry chemical extinguishing systems), NFPA 17A (wet chemical extinguishing systems), NFPA 750 (water mist fire protection), NFPA 2001 (clean agent fire extinguishing systems), NFPA 2010 (fixed aerosol fire extinguishing systems). Only available in Chicago!

1-Day Seminars

Sat, June 8

Fire Protection Concepts and Analysis for Property Loss Prevention

Bruce Clarke, CFPS, LEED AP, XL Global Asset Protection Services

This seminar will cover property and business continuity facility hazard evaluations and identify which codes and standards are involved. Discussion will include how engineering analyses, referencing specific NFPA standards and other resources, are used to analyze and properly protect and analyze commercial property. Hear how insurance companies structure property insurance programs and evaluate "risk" to select and underwrite "good" business. Learn where to find vital resources to help you analyze and potentially reduce your company's exposure to property loss. Only available in Chicago!

Behind-the-Scenes Tour — Underwriters Laboratories Facility

Witness and monitor a large-scale fire test within UL's state-of-the-art fire safety engineering testing laboratory, the largest of its kind in the world. See how various building materials, building content, fire alarm and sprinkler systems are tested and certified to applicable safety standards. UL fire safety engineers and regulatory staff discuss research, testing and installation code requirements. Space is limited — register today! (Must be over 18 years of age and wear close toed shoes. Includes lunch and transportation from McCormick Place — 9:00 AM to 3:30 PM)

Earn valuable CEUs by attending these pre/post conference seminars. Upon completion, you will receive 2.1 CEUs for 3-day seminars (1.8 CEUs for the 3-day NFPA 70E® Certificate), 1.4 CEUs for 2-day seminars, (1.1 CEUs for 2-day NFPA 72 and NFPA 25 certificates), and .7 CEUs for 1-day seminars.

1-Day Seminars

Sun, June 9

NEC® for Photovoltaics

Jake West, Senior Engineering Instructor, Underwriters Laboratories, Inc.

Presented by UL and NFPA. In the field's only *NEC* seminar of its kind, you'll learn how to design, install, and inspect photovoltaic (PV) systems to meet rising consumer demand without compromising compliance. Conductor selection, ampacity calculations, overcurrent devices and disconnects will be addressed along with utility-interactive systems. Engineers, architects, lab technicians, installers, and maintenance personnel will gain a detailed understanding of how photovoltaic systems are addressed in the 2011 *National Electrical Code*. Basic *NEC* knowledge is required. (Includes a copy of the *NEC*)

NFPA 101® Healthcare Update, 2000-2012

James Lathrop, FSFPE, Vice President, Koffel Associates, Inc.

This seminar will offer an overview of the requirements contained in the 2012 edition of NFPA 101®, *Life Safety Code*® as they apply to health care occupancies. Get a handle on which provisions have been revised, added, or deleted since the 2000 edition. Many of these changes will make it easier to apply the Code to a health care facility. With both the Centers for Medicare and Medicaid Services (CMS) and The Joint Commission (TJC) giving serious consideration to updating to the 2012 edition, this seminar will provide a solid foundation on the changes between the 2000 and 2012 editions. Material learned at this seminar could save your facility significant money if used as the foundation for an equivalency for existing code violations. Only available in Chicago!

Firefighter for a Day: NFPA Standards at Work

Ken Willette, Manager, Public Fire Protection Division, NFPA; NFPA Technical Staff and City of Chicago Fire Department Staff

Ever wonder how NFPA Standards transition from written documents to field application? In this hands-on seminar, you will spend a day at Chicago's Quinn Fire Academy. You will learn how NFPA Standards are used in the design of personal protective equipment, self contained breathing apparatus, fire apparatus, and fire service training. After being briefed on how the Standards apply, you will receive basic safety instructions, don the equipment, and participate in several firefighting evolutions, including: exterior fire attack, advancing a hose line up a staircase, search and rescue, fire apparatus overview, and use of fire extinguishers for flammable liquid fires. Experience what firefighters face and how NFPA Standards make a dangerous job safer. Class size is limited. Inherent in this event is a level of risk and physical exertion. Participants will be required to sign a waiver holding NFPA harmless from any loss, cost, damage or injury. Please see web for more details.

Post-Conference Seminars

Fri, June 14

Proposed Revisions to the 2014 NEC®

Tim McClintock and **Jeff Sargent**, Regional Electrical Code Specialists, NFPA

The 2014 edition of the National Electrical Code is scheduled to be issued by the NFPA Standards Council in August with new requirements that enable users of the Code to keep pace with the ever-changing electrical industry. We will cover the significant proposed changes to the latest edition of the NEC and will provide the background and explanation necessary to properly apply the revised requirements to electrical installations, inspections or designs. In addition to the revisions and new provisions in existing NEC articles, the 2014 NEC will contain requirements for new technologies and systems not covered in previous editions of the Code.

Changes to NFPA 25 Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (2014 Edition)

8:00 am – 12:00 pm • **Matt Klaus**, Senior Fire Protection Engineer, NFPA

The 2014 Edition of NFPA 25 will be considered during this year's NFPA Conference & Expo. The NFPA staff liaison to NFPA 25 will discuss many of the major changes and controversial issues surrounding this edition of the document including options available for existing antifreeze systems. You will also hear about the arguments, both pro and con, for the various certified amending motions. Join us and be the first to get up to speed on the 2014 edition of this vital inspection, testing, and maintenance document.



Certificate does not fulfill all requirements of NFPA 70E® for Qualified Persons. For general information, including purpose and limitations of NFPA Certificates, go to nfpa.org/certificates (FAQs).

THE EXPO

June 10-12, 2013 • McCormick Place Convention Center



More than
300
Exhibitors!

ANNOUNCING TWO NEW EXPO FEATURES

1. The Inaugural Accessibility Expo will co-locate with NFPA Conference & Expo. Accessibility Expo will feature products specifically designed to help comply with the ADA and to improve quality of life and safety for people with disabilities.



This new event feature, along with related sessions in the NFPA conference program, is designed to inform building designers, builders, managers and safety executives, and to promote the idea of moving beyond the minimum requirements of the Americans with Disabilities Act.

2. The Electric Vehicle Safety Showcase will address the potential hazards encountered in an electric vehicle (EV) collision, and safety considerations for the growing installed base of charging stations in residential, commercial, and public spaces.



ELECTRIC VEHICLE
SAFETY TRAINING
A PROJECT OF THE NATIONAL FIRE PROTECTION ASSOCIATION

Stakeholders affected by issues surrounding the growth in EV usage and the build out of the battery-charging infrastructure include utilities, fleet managers, municipal authorities, first responders, and electrical contractors.

Get information on the NFPA's first responder training programs, and NEC® provisions on proper installation, inspection, and maintenance of charging stations.

Expo Hours

Monday, June 10 3:30 pm – 7:30 pm
Networking Reception 6:30 pm – 7:30 pm
Tuesday, June 11 11:00 am – 4:00 pm
Wednesday, June 12 10:00 am – 2:00 pm

Networking Reception

Monday, June 10 **SIEMENS**
6:30 pm – 7:30 pm

Expo Hall

Connect with your peers at this industry networking event. Food and beverages provided.

Enter the Grand Prize Giveaway to Win \$1,000 CASH!

Complete the entry form found in your attendee tote bag and enter the DAILY DRAWING for \$1000 cash!



Drawings will be held on Monday at 7:15 pm, Tuesday at 3:45 pm, and Wednesday at 1:45 pm. *You must be present in the grand prize area to win!*

3 Days of Free Technical and Product Info in the Exhibitor Presentation Theater

Choose from a broad agenda, complete with new product intros, installation training, product demos, and systems testing procedures.

8 Reasons to Visit the Expo

- Evaluate thousands of products in just a few days
- Meet the experts at the NFPA booth
- Find answers to code questions and interpretations
- Discover solutions to your technical challenges
- Develop specs for a current project
- Stay current with latest innovations
- Identify suppliers actively supporting the NFPA mission
- Grow your personal and professional contacts

Exhibitors as of January 1, 2013



3M Company
 ACAF Systems, Inc.
 ADI
 Adler School of Professional Psychology
 AES Corporation
 Akron Brass Company
 Alpha Technologies
 Altronix Corporation
 Amerex Corporation / Getz Manufacturing
 American Marsh Pumps
 American Pacific - Halotron Division
 American Pyrotechnics Association
 American Society of Safety Engineers
 Amfuel
 Anvil International
 AON Fire Protection Engineering
 ARGCO
 Armstrong Limited
 ASCO Power Tech. / Firetrol Products
 Auburn Manufacturing, Inc.
 AuSuM Systems
 Automatic Fire Alarm Association, Inc.
 Automation Displays, Inc.
 Bender, Inc.
 BICSI
 BlazeMaster Fire Sprinkler Systems
 Board of Certified Safety Professionals
 Brady/Tiscor
 Buckeye Fire Equipment Company
 BuildingReports.com
 BullEx
 Cease Fire
 CEC Combustion Safety
 Chemori Americas
 Chengdu OMEC Fire Safety Equipment Co. Ltd.
 Clarke Fire Protection Products, Inc.
 CLA-VAL
 Columbia Southern University
 Comark Corporation
 Composite Cooling Solutions
 Conrady Consultant Services
 Cooper Notification

Cornell Communications, Inc.
 Croker Division - Fire-End & Croker Corp.
 Crowcon Detection Instruments
 CST Storage
 Cummins Fire Power
 DACS, Inc.
 Deutz Corporation
 Digitize, Inc.
 Direct Supply, TELES
 Dixon Powhatan
 Draeger Safety, Inc.
 DuPont Company
 DuraSystems Barriers, Inc.
 Eaton Corporation
 Electrical Safety Foundation International
 ERICO, Inc.
 Evac+Chair North American, LLC
 Evax Systems
 Ferno
 FieldServer Technologies
 Fike Corporation
 Fire & Safety Group
 Fire Detection Devices, Limited
 Fire Fighting Enterprises
 Fire Protection Research Foundation
 Fire Safe Services, LLC / FireDos
 Fire Safety Displays Co.
 Fire Safety Technology
 FireFlex Systems, Inc.
 Fire-Stop Systems
 Firetrace International
 Fivalco, Inc.
 FLAMEX, Inc.
 Flexhead Industries, Inc.
 FM Approvals
 Garaventa Lift
 General Air Products, Inc.
 Gentex Corporation
 Georg Fischer Harvel
 Gerand Engineering Company
 Global Risk Consultants
 Global Vision, Inc.
 Grace Engineered Products

GreCon, Inc.
 Gripple, Inc.
 Guardian Safety Solutions International, Inc.
 Halon Banking Systems
 Harrington Fire & CPG Signals
 Hochiki America Corp.
 Honeywell Analytics
 Honeywell Fire Systems
 Hoover Treated Wood Products, Inc.
 Housing Devices, Inc.
 HRS Systems, Inc.
 Huguenot Labs
 Huzhou Baiye Industry Co., Ltd.
 Hydratec, Inc.
 Hydro Flow Products, Inc.
 ICB/TABB
 I-Gard
 Inflatable Images
 InnoSys Industries, Inc.
 International Code Council
 International Fire Sprinkler Association
 International Municipal Signal Association
 International Systems of America, LLC
 Intertek
 ITW Buildex
 Janus Fire Systems
 Jefferson Solenoid Valves USA
 JG Innovations
 Joslyn Clark Controls
 Keltron Corporation
 King Fisher Company, Inc.
 Knox Company
 Korea Institute of Fire Industry & Technology
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LIOS Technology GmbH
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 LPCB
 Macurco
 M.E.P. CAD, Inc.
 Master Control Systems, Inc.
 Maxi-Signal Products Co.
 Meggitt Sensing Systems
 Metraflex Co.
 Metron Firepump Controllers
 Micropack Detection Americas, Inc.
 Minimax USA, LLC
 Mircom Group of Companies
 MSA
 National Code Services Association
 National Fire Fighting Manufacturing FZCO (NAFFCO)
 National Fire Sprinkler Association
 National ITC
 Net Safety Monitoring, Inc.
 NFPA
 NIBCO INC.
 NJ & Associates, Inc.
 Noble Company
 Northern Illinois Fire Sprinkler Advisory Board
 OCV Control Valves
 Oklahoma State University
 OnSite Software, Inc.
 Orr Protection Systems
 Oseco
 Patterson Pump Company
 Peerless Pump Company
 Pentair
 Pittsburg Tank & Tower Maintenance Co., Inc.
 Potter Electric Signal Company
 Potter Roemer
 Protective Industrial Products
 Protectowire FireSystems
 Prysmian Group
 R.STAHL
 RANDL Industries, Inc.
 Rapidrop, Inc.
 Rath Microtech
 Rectorseal Corporation
 Reliable Automatic Sprinkler Company
 REMBE, Inc.
 RemTec International
 Retrotec, Inc.
 Road Sprinkler Fitters Local Union 669
 Robotronics, Inc.
 Rotarex North America
 Roxtec, Inc.
 Safe Fire Detection
 Safety Hi-Tech USA
 Safety Systems Technology
 Safety Technology International, Inc.
 SDI
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Senscient
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 Space Age Electronics, Inc.
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 TLX Technologies, LLC
 Tomco Fire Systems
 Tornatech, Inc.
 Transformer Protector Corporation
 TSM Corporation
 TYCO Fire Protection Products
 TYCO Security Products / DSC
 Ultra-Lit Technologies, Inc.
 Underwriters Laboratories, Inc.
 Uponor, Inc.
 USA Tank Storage Systems
 UTC - Badger Fire Protection
 UTC - Chemetron Fire Systems
 UTC - Det-Tronics
 UTC - Edwards
 UTC - Fenwal Explosion Systems
 UTC - Fenwal Protection
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For the most up-to-date listing go to: nfa.org/conference

ASSOCIATION TECHNICAL MEETING



The Association Technical Meeting will begin at 2:00 pm on Wednesday, June 12 and will continue on Thursday, June 13 with breaks as required. Under the rules now in effect, only Certified Amending Motions (with valid sign-in) and proper Follow-Up Motions will be allowed for NFPA® Documents processed in the Fall 2012 and Annual 2013 Revision Cycles. The agenda for the meeting will be those Documents with Certified Amending Motions as indicated in the Report of the Motions Committee on Certified Amending Motions. The Report of the Motions Committee on Certified Amending Motions for the Fall 2012 Revision Cycle was available on November 2, 2012. The Motions Committee Report for the Annual 2013 Revision Cycle will be available on May 3, 2013, and the National Electrical Code®, also reporting to the Annual 2013 Revision Cycle, will be posted on the NFPA website no later than May 17, 2013.

For more information on the Report of the Motions Committee, as well as applicable rules [see *Regulations Governing Committee Projects (Regs.)* and the *Technical Meeting Convention Rules*] log onto <http://www.nfpa.org/nitmam>.

FALL 2012 REVISION CYCLE

The Motions Committee of the NFPA Standards Council has determined that the following Documents have at least one Certified Amending Motion that may be presented at the 2013 Association Technical Meeting in Chicago:

- NFPA 801 Standard for Fire Protection for Facilities Handling Radioactive Materials
- NFPA 1061 Standard for Professional Qualifications for Public Safety Telecommunicator
- NFPA 1851 Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting

The following are Documents reported in the Fall 2012 Revision Cycle. They are now considered Consent Documents because they received no Notice of Intent to Make a Motion (NITMAM) or were forwarded directly to the Standards Council for issuance:

- NFPA 10 Standard for Portable Fire Extinguishers
- NFPA 14 Standard for the Installation of Standpipe and Hose Systems
- NFPA 17 Standard for Dry Chemical Extinguishing Systems
- NFPA 17A Standard for Wet Chemical Extinguishing Systems
- NFPA 22 Standard for Water Tanks for Private Fire Protection
- NFPA 36 Standard for Solvent Extraction Plants
- NFPA 52 Vehicular Gaseous Fuel Systems Code
- NFPA 67 Guideline on Explosion Protection for Gaseous Mixtures in Pipe Systems
- NFPA 68 Standard on Explosion Protection by Deflagration Venting
- NFPA 70B Recommended Practice for Electrical Equipment Maintenance
- NFPA 140 Standard on Motion Picture and Television Production Studio Soundstages, Approved Production Facilities, and Production Locations
- NFPA 211 Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances
- NFPA 225 Model Manufactured Home Installation Standard
- NFPA 241 Standard for Safeguarding Construction, Alteration, and Demolition Operations
- NFPA 259 Standard Test Method for Potential Heat of Building Materials
- NFPA 260 Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture
- NFPA 261 Standard Method of Test for Determining Resistance of Mock-Up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes
- NFPA 270 Standard Test Method for Measurement of Smoke Obscuration Using a Conical Radiant Source in a Single Closed Chamber
- NFPA 274 Standard Test Method to Evaluate Fire Performance Characteristics of Pipe Insulation
- NFPA 289 Standard Method of Fire Test for Individual Fuel Packages
- NFPA 290 Standard for Fire Testing of Passive Protection Materials for Use on LP-Gas Containers
- NFPA 495 Explosive Materials Code
- NFPA 496 Standard for Purged and Pressurized Enclosures for Electrical Equipment
- NFPA 498 Standard for Safe Havens and Interchange Lots for Vehicles Transporting Explosives
- NFPA 501 Standard on Manufactured Housing
- NFPA 501A Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities
- NFPA 505 Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations
- NFPA 551 Guide for the Evaluation of Fire Risk Assessments
- NFPA 705 Recommended Practice for a Field Flame Test for Textiles and Films
- NFPA 900 Building Energy Code
- NFPA 909 Code for the Protection of Cultural Resource Properties - Museums, Libraries, and Places of Worship
- NFPA 1006 Standard for Technical Rescuer Professional Qualifications
- NFPA 1404 Standard for Fire Service Respiratory Protection Training
- NFPA 1451 Standard for Fire Service Vehicle Operations Training Program
- NFPA 1600 Standard on Disaster/Emergency Management and Business Continuity Programs
- NFPA 1852 Standard on Selection, Care, and Maintenance of Open-Circuit Self-Contained Breathing Apparatus (SCBA)

- NFPA 1855 Standard for Selection, Care, and Maintenance of Protective Ensembles for Technical Rescue Incidents
- NFPA 1925 Standard on Marine Fire-Fighting Vessels
- NFPA 1962 Standard for the Inspection, Care, and Use of Fire Hose, Couplings, and Nozzles and the Service Testing of Fire Hose
- NFPA 1964 Standard for Spray Nozzles
- NFPA 1981 Standard on Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services
- NFPA 1982 Standard on Personal Alert Safety Systems (PASS)
- NFPA 1989 Standard on Breathing Air Quality for Emergency Services Respiratory Protection
- NFPA 1999 Standard on Protective Clothing for Emergency Medical Operations

ANNUAL 2013 REVISION CYCLE

The following are documents in the Annual 2013 Revision Cycle that could receive a Notice of Intent to Make a Motion (NITMAM) and be presented for action at the 2013 Association Technical Meeting in Chicago.

- NFPA 25 Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems
- NFPA 51B Standard for Fire Prevention During Welding, Cutting, and Other Hot Work
- NFPA 56PS Standard for Fire and Explosion Prevention During Cleaning and Purging of Flammable Gas Piping Systems
- NFPA 58 Liquefied Petroleum Gas Code
- NFPA 70® National Electrical Code®
- NFPA 77 Recommended Practice on Static Electricity
- NFPA 96 Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations
- NFPA 130 Standard for Fixed Guideway Transit and Passenger Rail Systems
- NFPA 306 Standard for the Control of Gas Hazards on Vessels
- NFPA 403 Standard for Aircraft Rescue and Fire-Fighting Services at Airports
- NFPA 412 Standard for Evaluating Aircraft Rescue and Fire-Fighting Foam Equipment
- NFPA 502 Standard for Road Tunnels, Bridges, and Other Limited Access Highways
- NFPA 610 Guide for Emergency and Safety Operations at Motorsports Venues
- NFPA 780 Standard for the Installation of Lightning Protection Systems
- NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications
- NFPA 1021 Standard for Fire Officer Professional Qualifications
- NFPA 1026 Standard for Incident Management Personnel Professional Qualifications
- NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner
- NFPA 1033 Standard for Professional Qualifications for Fire Investigator
- NFPA 1123 Code for Fireworks Display
- NFPA 1143 Standard for Wildland Fire Management



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Here are just a few highlights: Field Museum (home of Tyrannosaurus Sue), Art Institute, Magnificent Mile (the ultimate shopping experience), Award-winning restaurants, Shedd Aquarium, Millennium Park, Navy Pier, and the list goes on.

Keep checking the NFPA Conference blog for fun ideas to make your visit to Chicago a memorable one.
nfpa.org/conferenceblog



For more information on this exciting city, visit www.choosechicago.com.



NFPA CONFERENCE & EXPO

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STEP 1 General Information

IMPORTANT! NFPA Members—to ensure your discount and voting privileges, please sign-in using your NFPA profile email and password. (The email that you use for your Membership.) Please take note as packages may have changed slightly. Technical Committee Members receive a 20% discount on the Conference registration fee.

Your Priority Code is: **1AA-WEBX-1ZX**

Name: _____ Suffix: _____ First-Time Attendee

Title: _____ Company/Affiliation: _____

Address: _____

City: _____ State: _____ Zip: _____

Email (required): _____

Daytime Phone: _____ Fax: _____

Mobile Phone: _____ Twitter Handle: _____

Spouse Name for Badge (If attending – Admission to General Session and Expo only): _____

Emergency Contact Name: _____

Emergency Contact Phone: _____ Emergency Contact Email: _____

Membership Information

Non-Member NFPA Member # _____

Technical Committee Member Committee Acronym: _____

STEP 2 Conference Registration (June 10-13)

Full Conference Includes the General Session, all Education Sessions, Association Technical Meeting and the Expo. (Does not include Pre/Post Conference Seminars)

Non-Member	<input type="checkbox"/> \$1050
Member	<input type="checkbox"/> \$945
Early-Bird Rate (by April 26)	<input type="checkbox"/> \$895
Technical Committee Member	<input type="checkbox"/> \$840

Association Technical Meeting Only Wednesday, June 12 and/or Thursday, June 13

\$200

Expo Only Includes the General Session on Monday (Does not include Conference or Pre/Post-Conference Seminars)

FREE **Free in advance** (\$95 onsite unless you present a registration form.)

STEP 3 Pre- & Post-Conference Seminar Registration (June 8-10, 14)

Pre-Registration required (Includes the General Session and Expo; Does not include Conference.)

3-Day Seminars Sat/Sun/Mon, June 8-10

NFPA 70E® Electrical Safety in the Workplace Certificate – Sat/Sun/Mon	<input type="checkbox"/> Non-Member \$1475	<input type="checkbox"/> Member \$1330	\$ _____
NFPA 72® National Fire Alarm and Signaling Code (2013) – Sat/Sun/Mon	<input type="checkbox"/> Non-Member \$1345	<input type="checkbox"/> Member \$1210	\$ _____
NFPA 13 Installation of Sprinkler Systems (2013) – Sat/Sun/Mon	<input type="checkbox"/> Non-Member \$1345	<input type="checkbox"/> Member \$1210	\$ _____
NFPA 101® Life Safety Code® – Sat/Sun/Mon	<input type="checkbox"/> Non-Member \$1345	<input type="checkbox"/> Member \$1210	\$ _____

2-Day Seminars Sat/Sun, June 8-9

NFPA 72® Inspection, Testing, and Maintenance of Fire Alarms Certificate (2013) – Sat/Sun	<input type="checkbox"/> Non-Member \$1050	<input type="checkbox"/> Member \$945	\$ _____
NFPA 1 Fire Code – Sat/Sun	<input type="checkbox"/> Non-Member \$945	<input type="checkbox"/> Member \$850	\$ _____
NFPA 25 Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems Certificate – Sat/Sun	<input type="checkbox"/> Non-Member \$1050	<input type="checkbox"/> Member \$945	\$ _____
Certified Fire Protection Specialist (CFPS) Primer – Sat/Sun	<input type="checkbox"/> Non-Member \$945	<input type="checkbox"/> Member \$850	\$ _____
NFPA 921 Fire and Explosion Investigations – Sat/Sun	<input type="checkbox"/> Non-Member \$945	<input type="checkbox"/> Member \$850	\$ _____
NFPA 99 Health Care Facilities Code – Sat/Sun	<input type="checkbox"/> Non-Member \$945	<input type="checkbox"/> Member \$850	\$ _____
NFPA 654 Dust Explosion Hazards (2013) – Sat/Sun	<input type="checkbox"/> Non-Member \$945	<input type="checkbox"/> Member \$850	\$ _____
NFPA 1600 Disaster/Emergency Management and Business Continuity Programs – Sat/Sun	<input type="checkbox"/> Non-Member \$945	<input type="checkbox"/> Member \$850	\$ _____
Special Suppression Systems – Sat/Sun	<input type="checkbox"/> Non-Member \$945	<input type="checkbox"/> Member \$850	\$ _____

1-Day Seminars Sat, June 8

Fire Protection Concepts and Analysis for Property Loss Prevention – Sat	<input type="checkbox"/> Non-Member \$525	<input type="checkbox"/> Member \$475	\$ _____
Behind-the-Scenes Tour — Underwriters Laboratories Facility Sponsored by UL	<input type="checkbox"/> Non-Member \$0	<input type="checkbox"/> Member \$0	\$ _____

1-Day Seminars Sun, June 9

NEC® for Photovoltaics – Sun	<input type="checkbox"/> Non-Member \$525	<input type="checkbox"/> Member \$475	\$ _____
NFPA 101® Healthcare Update, 2000-2012 – Sun	<input type="checkbox"/> Non-Member \$525	<input type="checkbox"/> Member \$475	\$ _____
Firefighter for a Day: NFPA Standards at Work – Sun	<input type="checkbox"/> Non-Member \$525	<input type="checkbox"/> Member \$475	\$ _____

Post-Conference Seminars Fri, June 14

Proposed Revisions to the 2014 NEC® – Fri	<input type="checkbox"/> Non-Member \$525	<input type="checkbox"/> Member \$475	\$ _____
Changes to NFPA 25, Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (2014 Edition) – Fri	<input type="checkbox"/> Non-Member \$275	<input type="checkbox"/> Member \$250	\$ _____

TOTAL REGISTRATION AMOUNT \$ _____

STEP 4 Payment Information

(PREPAYMENT IS REQUIRED)

Full payment is due with registration. Purchase orders not accepted. NFPA will not invoice for Conference or Seminars.

Enclosed is my check # _____ payable to NFPA. (Registrant's name or organization must appear printed on the check)

Charge to the following credit card:

Account #: _____

3-Digit Security Code: _____ Exp. Date _____

Name on Card: _____

Signature: _____

Billing Address (if different): _____

STEP 5 Attendee Information

Which of the following best describes your current job function? (Check one only)

- | | |
|--|---|
| <input type="checkbox"/> A. Architect | <input type="checkbox"/> J. Fire Fighting |
| <input type="checkbox"/> B. Consultant | <input type="checkbox"/> K. Building Official |
| <input type="checkbox"/> C. Contractor | <input type="checkbox"/> L. Loss Control/Risk Manager |
| <input type="checkbox"/> D. Educator | <input type="checkbox"/> M. Manager/Administrator |
| <input type="checkbox"/> E. Electrical Engineer | <input type="checkbox"/> N. Owner/President/CEO |
| <input type="checkbox"/> F. Engineer | <input type="checkbox"/> O. Safety Manager |
| <input type="checkbox"/> G. Fire Protection Engineer | <input type="checkbox"/> P. Sales/Marketing |
| <input type="checkbox"/> H. Fire Service Administrator | <input type="checkbox"/> Q. Other _____ |
| <input type="checkbox"/> I. Fire Inspection | |

What industry or business is your organization in?

(Check all that apply)

- | | |
|--|--|
| <input type="checkbox"/> A. Architecture | <input type="checkbox"/> H. Government |
| <input type="checkbox"/> B. Contractor/Installation | <input type="checkbox"/> I. Health Care |
| <input type="checkbox"/> C. Consulting | <input type="checkbox"/> J. Industrial/Factory/Warehouse |
| <input type="checkbox"/> D. Education | <input type="checkbox"/> K. Insurance/Risk Management |
| <input type="checkbox"/> E. Electrical | <input type="checkbox"/> L. Military |
| <input type="checkbox"/> F. Fire Protection Industry | <input type="checkbox"/> M. Utilities |
| <input type="checkbox"/> G. Fire Service (public or private) | <input type="checkbox"/> N. Other _____ |

Which of the following products do you buy, specify, recommend, or approve for your company?

(Check all that apply)

- | | |
|--|--|
| <input type="checkbox"/> A. Alarm/Detection Systems | <input type="checkbox"/> G. Hazmat Storage/Handling |
| <input type="checkbox"/> B. Building Construction Materials | <input type="checkbox"/> H. Pumps/Controls/Valves |
| <input type="checkbox"/> C. Education/Training | <input type="checkbox"/> I. Security Products/Services |
| <input type="checkbox"/> D. Electrical Equipment/Services | <input type="checkbox"/> J. Sprinklers/Sprinkler Systems |
| <input type="checkbox"/> E. Extinguishers/Foams/Extinguishers/Equip. | <input type="checkbox"/> K. Signaling Systems |
| <input type="checkbox"/> F. Fire Department Equip./Services | <input type="checkbox"/> L. Other _____ |

How much fire protection/life safety equipment/services does your company buy or specify annually? (Check one only)

- | | |
|--|--|
| <input type="checkbox"/> A. Less than \$150,000 | <input type="checkbox"/> D. \$1,000,000 to \$5,000,000 |
| <input type="checkbox"/> B. \$150,000 to \$500,000 | <input type="checkbox"/> E. More than \$5,000,000 |
| <input type="checkbox"/> C. \$500,000 to \$1,000,000 | <input type="checkbox"/> F. Not Applicable |

Purchasing authority? (Check one only)

- | | |
|---------------------------------------|--|
| <input type="checkbox"/> A. Recommend | <input type="checkbox"/> C. Approve |
| <input type="checkbox"/> B. Specify | <input type="checkbox"/> D. No Involvement |

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Fax: **1-800-593-6372**
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Phone: **1-800-344-3555**

Photo identification is required to pick up your materials onsite. You may not pick up anyone else's materials.

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