

# CONFERENCE BEXPO Formerly the NFPA World Safety Conference & Expo® (WSC&E)

Free Expo-Only Registration! Register by April 30, 2009



# McCormick Place, Chicago June 8–<mark>11</mark>, 2009

### Pre-Conference Seminars: June 6-8, 2009

- 130 education sessions, including dozens of case studies, test results, and code updates (pages 4-5)
- 21 pre-conference seminars on June 6-7 (pages 6-7)
- The Expo, with more than 300 exhibitors (pages 8-9)
- Association Technical Meeting (pages 10)

nfpa.org/conference

official publication



Pass along this brochure to a colleague!



## McCormick Place, Chicago June 8–11, 2009

Pre-Conference Seminars: June 6-8 Exposition: June 8-10 Education Sessions: June 8-10 Association Technical Meeting: June 10-11

# New for 2009:

*Featured Presentation: "NIST Report on the Collapse of World Trade Center Tower 7″* 

- Fire Protection Tours: Fermi National Labs and Underwriters Laboratories
- > 21 Comprehensive Pre-Conference Seminars
- > 4 Compelling Spotlight Sessions

## Who Should Attend?

Professionals concerned with saving lives and property and anyone who faces challenges in the areas of:

- FIRE & LIFE SAFETY
- ELECTRICAL
- SECURITY
- BUILDING DESIGN & MANAGEMENT
- FIRE SERVICE
- LOSS CONTROL & RISK MANAGEMENT

### **Conference Tracks**

Building and Life Safety 21 sessions

**Codes and Standards** 22 sessions

Detection and Suppression 22 sessions

Emergency Preparedness/ Business Continuity

Fire and Emergency Services 16 sessions

Fire Protection Engineering 8 sessions sponsored by:

Facility Fire Safety & Security 15 sessions

Electrical 4 sessions

Public Education

Research 10 sessions

# **Conference Highlights**

### **GENERAL SESSION**

Monday, June 8, 1:00–3:00 pm **McCormick Place, Arie Crown Theater** 

# The Second City

During the general session on Monday, June 8, we'll be hosting The Second City, the acclaimed improv group that has been performing sketch comedy in front of audiences for nearly 50 years, making it the standard by which comedy and improv in America is judged. So much talent has come from the ranks of the company's many theaters over the years, it reads like a Who's Who of contemporary American comedy. Some of their best-known alumni are John Belushi,

SPECIAL PRESENTATION

OND CITY

Gilda Radner, Dan Aykroyd, John Candy, Mike Myers, Chris Farley, Tina Fey, Rachel Dratch, Steve Carrell and Stephen Colbert, to name a few.

Often referred to as the Second City, Chicago is a premier location for worldclass attractions, exceptional dining experiences, and popular museums and theatres. Experience the savory selections from countless restaurants, and visit the ever-popular eight-block stretch of Michigan

Avenue—The Magnificent Mile, a 'mile' of more than 460 stores and specialty shops. Chicago offers over 29 miles of beautiful lakefront paths, breathtaking views from

the Sears Tower, and an unmatched aguatic experience at Shedd Aguarium. Whether you come to see the sights and sounds of historic Navy Pier or the nostalgic ambiance of Wrigley Field, there's a lot to do in Chicago. For more information on this exciting city, visit www.choosechicago.com.

### FEATURED PRESENTATION

Wednesday, June 10, 10:00 am-12:00 Noon

World Trade Center—NIST Report on **Collapse of Tower 7** 

## SPOTLIGHT SESSIONS

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Wednesday, June 10, 8:00-9:30 am

Close the conference on a high note with these compelling sessions:

Revisions to NFPA 13—2010 Edition James D. Lake, NFPA

How the Great Chicago Fires Impacted **Code Development** Martin J. Pabich, Underwriters Laboratories Inc.

The New 2010 NFPA 72<sup>®</sup>—More Than Just a Fire Alarm Code Robert Schifiliti, P.E., NFPA Committee Chair

**U.S. Chemical Safety & Hazard Investigation Board (CSB) Response to Dust Explosions and Other Investigations** John Bresland, U.S. Chemical Safety Board

For information on taxis, trains and

### **NFPA CONFERENCE HOTELS**

Hyatt Regency McCormick Place -

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Hyatt Regency Chicago	\$271
Congress Plaza Hotel	\$200
Four Points By Sheraton	\$235
Hilton Chicago	\$269
Ramada Chicago	\$169
Sheraton Chicago	\$275

Take advantage of special conference pricing by booking your hotel through the NFPA housing site at nfpa.org/ conference. To request a hospitality suite or meeting space, call Kathleen Brown at 630-271-8210 or email at kbrown@rocexhibitions.com. Book early as rooms and meeting space will go fast. Discounted rates are available until April 15, 2009. Rates and rooms are subject to availability. Rates listed do not include taxes and fees.

### **TRAVEL INFORMATION**

### **COLPITTS WORLD TRAVEL**

Colpitts World Travel is NFPA's official travel agency. Let them make your travel arrangements to provide you with the lowest fare on your choice of airlines. Call Colpitts at 1-800-795-9500 or 617-984-7313.

All discount travel information below is available online at nfpa.org/ conference, then "Discount air and ground transportation".

### **AMERICAN AIRLINES**

Get a 5% discount on American Airlines/ American Eagle for NFPA meetings and seminars. Visit American Airlines via the conference website, nfpa.org/ conference, and www.aa.com. input the corresponding promotional code **A8669AM** on the booking page and make your reservation.

### **DELTA AIRLINES**

Delta offers a 5% discount in coach and a 10% discount on first class fares for the Chicago conference. Visit Delta Air Lines from the conference website, nfpa.org/conference, to obtain the discounted reservations, plus: no service fees and check-in online within 24 hours of departure.

### **UNITED AIRLINES**

Purchase your ticket online at nfpa.org/conference and receive a 5% discount off the lowest applicable fares. Enter your origin and destination and travel dates and then click on "more search options" and enter your Promotion Code 585FD to see available flights. There are no fees for booking online when you use the special promotion code.

#### ΔΜΤΡΔΚ

Amtrak offers a 10% discount off the lowest available rail fare to Chicago, between June 5 and June 14, 2009. Call Amtrak at 800-872-7245 and refer to convention fare code X65V-954.

### **AVIS CAR RENTAL**

Special corporate rates are available by calling 1-888-754-8878, or go online to www.avis.com and reference Avis Worldwide discount number B653699. Rates are good one week prior to and one week after the event.

### **GROUND TRANSPORTATION**

hotel shuttle to/from the airport along with event shuttle bus information, visit nfpa.org/conference.

ters hotel (\$289/Sold Out)

Hyatt Regency Chicago	\$271
Congress Plaza Hotel	\$200
Four Points By Sheraton	\$235
Hilton Chicago	\$269
Ramada Chicago	\$169
Sheraton Chicago	\$275

# **Education Sessions**

Full session descriptions and a session search tool are available at nfpa.org/conference.



NFPA will be going green for the 2009 NFPA Conference. Handouts will be available to attendees on the conference website prior to and a month after the conference. USB drives with speaker handouts will be distributed to conference attendees. Watch for updates on other NFPA greening initiatives by visiting the conference blog and website.

### Sunday, June 7 7:30 am – 12:00 pm

### **CLC** Committee Leadership Conference

Track: Codes and Standards

To create effective codes and standards that protect lives, NFPA relies on the democratic procedures of its codes and standards development process. Committee Leadership Conferences, held at this conference each year, teach NFPA committee officers how to carry out their duties and responsibilities. The conference is open to anyone who wishes to attend, but committee officers are required to attend one of these sessions.

Advance registration is requested. Please contact Codes and Standards Administration at 617-984-7248 or by email at stds\_admin@nfpa.org.

### Monday, June 8 8:00 – 11:00 am

M08 CEPS Examination\*

#### 8:00 – 9:00 am

M01 Fire Fighter Safety and **Deployment Study** Track: Research Sponsor: Fire Service Section

M02 Preservation of Evidence and **Spoliation: Issues Every Investigator Should Know** Track: Codes and Standards

M03 When Evacuation Is Not the Answer Track: Facility Fire Safety and Security Sponsor: Industrial Fire Protection Section

M04 Reaching People in Rural Communities: Resources You Can Use Track: Public Education Sponsor: Public Education Division

M05 NFPA 110/111 Update: **Reducing Vulnerabilities with Testing and Maintenance** Track: Electrical

M06 Update on Revised Americans with Disabilities Act Accessibility Guidelines Track: Codes and Standards

M07 Fire Fighter Fatalities: Fifty Ways to Get Your "Brother" Killed Track: Fire & Emergency Services Sponsor: Fire Service Section

M09 The Life Safety Code Is a Crowd Safety Tool Track: Building & Life Safety Sponsor: Electrical Section

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M10 Impact of NFPA 720 Track: Codes and Standards Sponsor: Lodging Industry Section

M11 Corporate Readiness and **Response Process**—Are You Ready and Prepared? Track: Emergency Preparedness/Business

Continuity Sponsor: Industrial Fire Protection Section

M12 Accelerated Dormitory Sprinkler Project Schedules— Lessons Learned

Track: Fire Protection Engineering Sponsor: Society of Fire Protection Engineers

M14 Intelligibility of Fire Alarm & Emergency Communications Systems M29 Understanding Marina Track: Detection and Suppression Sponsor: Fire Protection Research Foundation

M15 Home Fire Sprinkler Cost Assessment Track: Detection and Suppression Sponsor: Fire Protection Research Foundation

#### M16 Health Care Codes and **Standards Review**

Track: Codes and Standards Sponsor: Health Care Section

M17 The Transition of the **Hazardous Materials Codes and** the Emergence of the Threshold Quantity System to NFPA 1, UFC Track: Research

Sponsor: Fire Protection Research Foundation

M18 HVLS Fans and Sprinkler Interaction Track: Detection and Suppression Sponsor: Fire Protection Research Foundation

M19 Case Study: Smoke Control System Reliability...Will Your System **Really Work as It Should?** 

Track: Building & Life Safety Sponsor: Architects, Engineers & Building Officials Section

#### 9:30 – 10:30 am

M22 NFPA 13R: A 20-Year Retrospective Track: Detection and Suppression

M23 Implementing 5S in Research Labs to Achieve Increased Efficiency, Advanced Workplace Organization, and Improved Safety Track: Facility Fire Safety and Security Sponsor: Industrial Fire Protection Section

M24 Can Sprinkler Skipping Be **Reduced**?

Track: Detection and Suppression

M25 A Further Review of Smoke Flows and Smoke Detector Response for Beam Pockets and Waffle Ceilings Track: Detection and Suppression

Sponsor: Fire Protection Research Foundation

#### M26 Automatic Doorway Spill **Barriers for Containment of Flammable Liquid Spills** Track: Fire Protection Engineering

Sponsor: Society of Fire Protection Engineers

M27 Human Behavior to Consider **During Transport Systems Evacuation** Track: Research

Sponsor: Research Section and Fire **Protection Research Foundation** 

M28 Case Study: Building a Fully Sprinklered, Fully Accessible Single **Family Home** Track: Building & Life Safety

Sponsor: Architects, Engineers & Building Officials Section

**Dry Storage Facilities** Track: Detection and Suppression Sponsor: Fire Protection Research Foundation

M30 Avoiding Litigation in the **Fire Protection World** Track: Building & Life Safety

M31 Offensive Extinguishment Track: Fire & Emergency Services

M32 Scope Expands for NFPA 720 Track: Codes and Standards

M33 Plenum Space Fuel Load Track: Codes and Standards Sponsor: International Fire Marshals Assoc.

M34 Measuring Code Compliance Effectiveness Track: Research Sponsors: International Fire Marshals Assoc. and Fire Protection Research Foundation

M35 International Concepts in **Residential Fire Safety** Track: Public Education Sponsor: Public Education Division

M36 Lessons Learned From a Large-**Diameter Floating Roof Tank Fire** Track: Facility Fire Safety and Security

Sponsor: Industrial Fire Protection Section

### 11:00 am - 12:00 pm

M40 Electrical Section Codes and **Standards Forum** Track: Codes and Standards Sponsor: Electrical Section

M41 A Water-Mist Protection of Flammable Liquids in Cut-off Rooms Track: Detection and Suppression

M42 NFPA in the Courts: **Extinguishing Evidentiary** Challenges with NFPA 921 Track: Codes and Standards

M43 Full Scale Fire Test Experience with Exposed Composite Wood Joists Track: Research

M44 Managing the False Alarm Problem Track: Detection and Suppression

M45 FDS Simulation of the **Newhall Pass Fire** Track: Fire Protection Engineering Sponsor: Society of Fire Protection Engineers

M46 Building Blocks of a Strong **Industrial Response Organization** Track: Facility Fire Safety and Security Sponsor: Industrial Fire Protection Section

M47 Sprinklers in Vancouver— **A Success Story** Track: Detection and Suppression

M48 Positive Pressure Ventilation in Large Structures: What the Fire **Service Should Know** Track: Fire & Emergency Services Sponsor: Fire Service Section

M49 Operational Assessment of Service Delivery in the Scottish Fire Service Track: Fire & Emergency Services Sponsor: Fire Service Section

M50 Rehabilitation Work in **Existing Buildings** Track: Building & Life Safety

M51 Commissioning and NFPA 3 Track: Building & Life Safety Sponsor: Building Fire Safety Systems Section

M52 Building an Organizational **Resiliency Program (ORP): How Prepared Is Your Hospital to Recover** from an Internal Disaster? Track: Emergency Preparedness/Business Continuity

M53 Finding and Empowering **Effective Public Educators** Track: Public Education Sponsor: Education Section

M54 Licensing Indoor Pyrotechnic **Operators in Illinois—Lessons** Learned and Still Developing Track: Codes and Standards

### Tuesday, June 9 8:00 – 9:00 am

T01 Firestopping and Your Local **Building Department** Track: Building & Life Safety

T02 Developing a Safety Culture in the Fire Service Track: Fire & Emergency Services Sponsor: Fire Service Section

**T03 Dust Explosion Prevention** Track: Facility Fire Safety and Security

T04 Hydraulic Model of Water Supply Using EPANet2 Track: Fire Protection Engineering

**T05 Going Green in Fire Protection** Track: Building & Life Safety

**T06 Fire Protection Plans Review** 101 Track: Building & Life Safety

T07 NFPA 25—Misunderstood, **Misinterpreted and Misapplied** Track: Detection and Suppression Sponsors: Building Fire Safety Systems and Industrial Fire Protection Sections

T08 Case Study: Using the "Emergency Evacuation Planning Guide for People with Disabilities" at Friedman Place in Chicago Track: Emergency Preparedness/Business Continuity Sponsor: Architects, Engineers & Building Officials Section

T09 The 2010 Edition of NFPA 99 Track: Codes and Standards Sponsor: Health Care Section

T10 2011 NEC ROP Report Program Track: Electrical Sponsor: Flectrical Section

T11 Setting Up an Airfield Refueling **Equipment Inspection Program** Track: Facility Fire Safety and Security Sponsor: Aviation Section

**T12** Fire Fighting Tactics Under Wind Driven Conditions: NIST Laboratory **Experiments and Chicago/NY FD Tests** Track: Fire & Emergency Services Sponsors: Fire Service Section and Fire Protection Research Foundation

T13 McCormick Place Fire Protection Then and Now Track: Detection and Suppression

T14 Protection of Elevators Used in **Building Evacuation: Building Code Requirements, Design Practices and Case Studies** Track: Building & Life Safety

T15 Video Image Detection Systems Installation Performance Criteria Track: Detection and Suppression Sponsor: Fire Protection Research Foundation

T16 Public Education 101 Track: Public Education Sponsor: Education Section

T17 To Flee or Not to Flee: A Practical Discussion for the **Reasonable Application of Shelter** in Place Track: Public Education Sponsor: Education Section

T18 Residential Modular **Construction Fires; Lessons Learned** Track: Fire & Emergency Services

#### 8:00 – 11:00 am\_

**T19 NFPA Standards Forum** Track: Codes and Standards

### E AILED INFORMATION AND TO REGISTER, LOG ONTO **nfpa.org/conference**

"The conference offers the education sessions I want, the exhibition offers the chance to see what's new in technology and services and it allows me to connect with my peers."

- April Berkol

#### 9:30 - 10:30 am

T23 Behind the Scenes Tour of the Fire Protection and Detection Systems at McCormick Place Track: Detection and Suppression

T24 A Full-Scale Experimental Study of Unprotected Residential Floor Assemblies and Tenability Conditions in Selected Basement Fire Scenarios Track: Research

Sponsor: Research Section

T25 Electronic Safety Equipment and Personal Protective Equipment Track: Fire & Emergency Services Sponsor: Fire Service Section

T26 Fire Dynamics: What Fire Fighters Should Know Track: Fire & Emergency Services Sponsor: Fire Service Section

T27 A Change in the Air: Protecting the Star Spangled Banner Track: Fire Protection Engineering Sponsor: Society of Fire Protection Engineers

T28 Mass Notification Systems— Understanding the Challenges Track: Building & Life Safety

T29 Case Study of Rooftop Heliport Fire: Lessons Learned About the Spectrum Health Butterworth Heliport Crash Track: Building & Life Safety

Sponsor: Aviation Section

T30 Hydrogen Fuel Cells— Warehouse Dispensing Track: Facility Fire Safety and Security Sponsor: Industrial Fire Protection Section

T31 Smoke Detection Calculations—New Advances Track: Detection and Suppression

T32 The Roles and Responsibilities of a Crowd Manager per NFPA Standards Track: Building & Life Safety

T33 Fire Pump System Pressure Control Track: Detection and Suppression

T34 Application of NFPA Codes in Global Iconic Buildings Track: Codes and Standards

T35 Fire and Life Safety Initiatives of the Higher Education Opportunity Act of 2008 Track: Public Education

Sponsor: Public Education Division

**T36 Significant Changes to NFPA 14** Track: Detection and Suppression Sponsor: Building Fire Safety Systems Section

T37 Effective Evacuation Planning and Preparation Track: Facility Fire Safety and Security T38 Continuity Planning for Small Business—How Do We Make Progress? Track: Emergency Preparedness/Business Continuity

T39 It Can't Happen to Me! Taking More Responsibility for Personal Safety Track: Public Education Sponsor: Education Section

T40 Climate Change and Sustainability: What Changes Does it Mean for Fire Protection? Track: Building & Life Safety

### 11:00 am – 12:30 pm

T44 They Are Just Kids! What to Legally Do When Youth Are Involved In Intentional Fire Misuse Track: Public Education Sponsor: Education Section

T45 Storage Fire Protection and Final Extinguishment Track: Detection and Suppression Sponsor: Fire Protection Research Foundation

T46 Fire Fighter Fatalities and Injuries: The Role of Heat Stress and PPE Track: Fire & Emergency Services

T48 Critical Health Care Related Code Interpretations Track: Codes and Standards Sponsor: Health Care Section

T49 Lightweight Construction Performance Under Fire Conditions— DHS Assistance to Fire Fighter Grant Research Project Track: Research

Sponsor: International Fire Marshals Assoc.

T50 Information Sharing Standards in Public Safety: Data Making a Difference Track: Fire & Emergency Services

Sponsors: Fire Service Section and Wildland Fire Management Sections

T51 Material Compatibility and Performance Criteria For Intermediate Bulk Containers Track: Facility Fire Safety and Security

T52 NFPA 921: Past, Present and Future Track: Codes and Standards

T53 NFPA 70E—2009 New Requirements, Enhancements and Future Improvements Track: Electrical Sponsor: Electrical Section

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T54 Center for Disease Control and Prevention's Smoke Alarm Installation and Fire Safety Education Program Track: Public Education Sponsor: Public Education Division **T55 Nightclub Disaster Prevention** Track: Building & Life Safety

T56 Merchandise Mart: A Case Study of Installing a New Fire Alarm/ Voice Communication System in the World's Largest Commercial Building Track: Detection and Suppression

T57 Quantifying Smoke Barrier Performance Track: Building & Life Safety Sponsor: Fire Protection Research Foundation

T58 Fires and Burns Involving Home Medical Oxygen Track: Fire & Emergency Services Sponsor: International Fire Marshals Assoc.

T59 Qualitative Analysis of Building Evacuation via Conventional Exit Stairs versus Passenger Elevator Lifts Track: Fire Protection Engineering

Sponsor: Society of Fire Protection Engineers

T60 Revisions to the Residential Sprinkler Installation Standards NFPA 13D and 13R for the 2010 Editions Track: Codes and Standards

T61 OSHA and Combustible Dust— Inspection Update Track: Facility Fire Safety and Security

#### 2:45 – 3:45 pm

T62 Fire Safety from a European Perspective Track: Detection & Suppression

T63 Corporate Crisis Management– Disaster and Business Continuity Planning Track: Emergency Preparedness/Business Continuity

T64 Fire Alarm Survivability in High-Rise Buildings Track: Fire Protection Engineering Sponsor: Society of Fire Protection Engineers

T65 Time to Dust Off the Books: Introduction to Combustible Dust Hazards Track: Facility Fire Safety and Security

T66 Consumer Fireworks Fire Tests

Sponsors: Industrial Fire Protection Section and International Fire Marshals Assoc.

T67 Engineering Seismic Design for Fire Suppression Systems Track: Building & Life Safety

T68 The Joint Commission's 2009 Life Safety Chapter—Experience After the First Six Months Track: Codes and Standards Sponsor: Health Care Section

T69 Understanding the U.S. Fire Fighter Fatality Problem in 2008 Track: Fire & Emergency Services Sponsor: Fire Service Section T70 Fire Safety Planning for People with Disabilities Track: Public Education Sponsor: Public Education Division

T71 Update on the 2008 Edition of ANSI/ICC A117.1 Standard for "Accessible and Usable Buildings and Facilities"

Track: Building & Life Safety Sponsor: Architects, Engineers & Building Officials Section

T72 Current Trends in High-Rise Design and Protection Features Related to the Fire Service Track: Fire & Emergency Services

Sponsor: International Fire Marshals Assoc.

T73 Classifying Chemical Oxidizers: Tests and Criteria Track: Facility Fire Safety and Security Sponsor: Fire Protection Research Foundation

174 The ABC's of Emergency Communications Systems Track: Building & Life Safety Sponsor: Building Fire Safety Systems Section

#### 4:15 – 5:45 pm\_

**T83 Adoption of NFPA Codes and Standards Internationally Track: Codes and Standards** Sponsor: Industrial Fire Protection Section

### \_4:15 – 5:15 pm\_

T77 NFPA 1851 and UL's Certificate Program for Fire Fighting Garment Repair Organizations Track: Codes and Standards

179 Restoring Fire Resistive Construction After Building Renovation Track: Building & Life Safety

T80 Community Risk Reduction and Fire and Emergency Services Programs for U.S. Military Installations in Iraq Track: Fire & Emergency Services

T81 Risk-Based Analysis of Building Fire Safety Performance of an NFPA 5000 Compliant Building Track: Fire Protection Engineering

Sponsor: Society of Fire Protection Engineers

**T82 What Is a Crowd Manager?** Track: Building & Life Safety

T84 Overview of NFPA 400, Hazardous Chemical Code— A Panel Discussion Track: Facility Fire Safety and Security

Sponsor: Industrial Fire Protection Section

T85 Intermediate-Scale Burn Testing of Packaged Oxidizers Track: Research T86 Some History of Residential Wiring Practices in the U.S. Track: Electrical Sponsor: Electrical Section

**T87 Big Bad and Ugly Transformer Fires and How to Deal With Them** Track: Facility Fire Safety and Security

T88 Ionization and Photoelectric Smoke Alarms in the Household Environment—Task Group Review and Findings Track: Detection and Suppression

T89 Safe Cooking Operations in the Lodging Industry

Track: Codes and Standards Sponsors: International Fire Marshals Assoc. and Lodging Industry Section

T90 Full-Scale Experiments to Investigate a Smoldering Sofa Fire Incident Track: Fire & Emergency Services

Sponsor: Research Section

### Wednesday, June 10 8:00 – 9:30 am

W01 The New 2010 NFPA 72— More Than Just a Fire Alarm Code Track: Detection and Suppression Sponsor: Electrical Section

W02 How the Great Chicago Fires Impacted Code Development Track: Codes and Standards

W03 Revisions to NFPA 13— 2010 Edition Track: Codes and Standards

W04 U.S. Chemical Safety & Hazard Investigation Board (CSB) Response to Dust Explosions and Other Investigations

Track: Facility Fire Safety and Security Sponsor: Industrial Fire Protection Section

### FEATURED PRESENTATION 10:00 am – 12:00 pm

W08 NIST Report on the Collapse of World Trade Center Tower 7 Track: Research



Dr. Shyam Sunder, National Institute of Standards and Technology (NIST)

Dr. Sunder, Director of the Building and Fire Research Laboratory, was NIST's lead investigator for of the World Trade Center disaster.

# **Pre-Conference Seminars**

ALL SEMINARS RUN FROM 8:00 AM TO 4:30 PM EXCEPT AS NOTED.

Pre-conference seminars are priced separately from the main conference and are offered at a substantial discount from NFPA's regular seminar pricing. See Registration Form on page 11.

## New! 3-DAY SEMINARS • SAT/SUN/MON, JUNE 6-8

**NOTE:** Three-Day Seminars conclude at 3:30 pm Monday to allow FREE EXPO attendance. Visit the opening of the NFPA expo hall after your seminar to evaluate hundreds of products and services under one roof! Stay for the Networking Reception at 6:00 pm and connect with your peers.

### NFPA 13, Installation of Sprinkler Systems (3 days)

A properly installed sprinkler system will reduce both damage and loss of life by up to 67%. Stay current with the code so you can avoid costly mistakes and errors that may compromise system readiness and effectiveness. This 2 1/2-day seminar will effectively illustrate the concepts and requirements for automatic sprinkler systems and how they apply to specific hazards. (Price includes NFPA 13.)

### Fire Alarm Code (3 days)

Avoid installation errors, failed inspections and false alarms. Using the 2007 edition of NFPA 72° as a guide, you will focus primarily on the planning, design, approval, installation, testing, and use of signaling systems. You are sure to come away from this seminar with a wealth of practical tips through this 2 1/2-day seminar's dynamic discussions and helpful exercises. (Price includes NFPA 72.)

### Life Safety Code® Essentials (3 days)

The importance of the *Life Safety Code* is most readily seen in building fires that involve fatalities. Invariably, building features that are not in compliance are contributing factors to the loss of life. Get the tools you need to apply the code with confidence through this 2 1/2-day seminar. You can insure your organization is in compliance and make certain the people in your facility are safe during any emergency with this important seminar. (Price includes NFPA 101.®)

### 2-DAY SEMINARS • SAT/SUN, JUNE 6-7

### **CFPS Primer** (2 days)

The CFPS Primer, while not a test prep seminar, does offer practical instruction to help you quickly locate information found in the NFPA Fire Protection Handbook. Regardless of whether you are sitting for the examination or not, as a professional concerned with fire protection, safety, and prevention, you will benefit from working with this essential resource. If you are serious about your career in fire protection, the CFPS credential serves as a distinguished mark of achievement. (Price includes the 2-volume NFPA *Fire Protection Handbook*. Requirements for the CFPS exam and certification can be found at www.nfpa. org/certification.)

# Code Requirements for Maintaining Fire and Life Safety Systems (2 days)

If you are a professional involved in the maintenance of fire protection equipment, you know how important it is to maintain your life safety and fire protection systems and equipment to ensure that it functions properly when needed. This 2-day seminar provides an overview of the inspection, testing, and maintenance requirements found in more than a dozen NFPA codes and standards.

# Environment of Care: The Next Evolution of the Physical Environment (2 days)

The specific changes for the Joint Commission's new 2009 standards chapters that impact key facilities and environmental staff necessitate a focused seminar addressing key changes that impact their day-to-day activities. This seminar meets a specific need to provide a comprehensive overview. If you have attended the EC BaseCamp, you know the foundations of the EOC. This is the next step in the evolution of the standards and survey process. This seminar will focus on the two new chapters and the modifications to the EOC chapter. The net result will be that participants will become conversant in the Standards Improvement Initiative (SII) process as it impacts their existing EOC program, and fully understand the significance and impact of the specific attention now given to life safety and emergency.

### Life Safety Code® Plans Review (2 days)

This hands-on seminar will provide you with valuable experience reviewing plans and verifying compliance with the 2009 *Life Safety Code*. You will cover *Life Safety Code* design issues including occupancy classification, occupant load, egress capacities, and remoteness of exits during this intensive 2-day seminar. Experience with the *Life Safety Code* is recommended. (Price includes NFPA 101°.)

### NFPA 1, Fire Code (2 days)

The 2009 edition of NFPA 1, *Fire Code*, provides a comprehensive set of requirements for fire and life safety, as well as property protection. During this overview, the purpose, usage, navigation, and application of this widely adopted code will be discussed. Your participation will provide you with a more thorough understanding of life safety and property protection issues, including automatic sprinklers, standpipes, operating features, occupancies, exits, and fire lanes. The discussion will also cover equipment, processes, hazardous materials, and general fire safety. (Price includes NFPA 1 codebook.)

### NFPA 70E<sup>®</sup> Electrical Safety in the Workplace<sup>®</sup> (2 days)

This seminar will help you comply with electrical safety regulations including OSHA 1910 for general industry and OSHA 1926 for construction. Get the tools you need to provide a safe work environment by learning to identify electrical safety hazards and plan protective schemes and techniques to address each hazard. Be able to recognize the steps needed to work safely on or near live parts, and use a simplified approach to assure adequate PPE for diverse tasks. Anyone concerned with electrical safety will benefit from this seminar. (Price includes NFPA 70E codebook.)

### NFPA 921, Guide for Fire and Explosion Investigations (2 days)

Become more proficient in determining the origin and cause of fires using the procedures and guidelines for conducting safe, thorough, and effective investigations provided in this comprehensive two-day seminar. You will learn from experts who have conducted thousands of investigations and who have participated in the development of NFPA 921, *Guide for Fire and Explosion Investigations*. The seminar will focus on 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. (Price includes NFPA 921 codebook and workbook.)

### NFPA 1600, Disaster / Emergency Management and Business Continuity Programs (2 days)

Acknowledged by both the Department of Homeland Security and the 9/11 Commission, the national preparedness standard (NFPA 1600) 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. (Price includes NFPA 1600.)

### **1-DAY SEMINARS •** SATURDAY, JUNE 6

### Crowd Safety and the Life Safety Code<sup>®</sup> (1 day)

Historically, crowd disasters have proved to be the result of, or escalated by, failed management rather than panic or "acts of God." This engaging, multi-media seminar will address crowd safety in five segments: 1) the history and causes; 2) crowd types and characteristics; 3) management challenges; 4) crowd safety tools and terminology; and 5) standards, practices and laws. NFPA 101°, *Life Safety Code*<sup>®</sup> will be explored in this last segment. Special emphasis will be applied to the intent and spirit of the code's various crowd safety standards. This includes how these standards can be interpreted and applied by the authority having jurisdiction. The seminar will also give participants access to various official documents.

Get up-to-date conference details, listen to podcasts and view images from last year's conference in Las Vegas by visiting our blog: **nfpa.typepad.com/conference** 

### **Explosion Prevention and Protection (1 day)**

Industrial processes that handle flammable liquids, gases, and combustible particulate solids are subject to combustion events that can lead to explosions. NFPA 68, *Venting of Deflagrations, and NFPA 69, Explosion Prevention Systems*, provide methods to control and mitigate these explosion events. (Price includes NFPA 68 and NFPA 69.)

### IAEI Soares Grounding and Bonding (1 day)

This seminar is a must for those who wish to keep informed and increase their understanding and expertise in grounding and bonding of electrical systems and equipment. Completely revised to the current edition of the *NEC*, it is based on the authoritative Soares Book on Grounding and clearly explains the fundamentals and practice of grounding in easily understood language. Dozens of new and revised color illustrations and photos of actual installations clarify and simplify the fundamental principles of grounding and bonding.

### NFPA 13—Proposed Changes (1 day)

Learn about significant proposed changes that will be acted on at the Technical Report Session for NFPA 13, 13D and 13R. The seminar will include a discussion of the key technical issues related to these proposals, and their potential impact on system design and installation.

### Sprinkler System Plans Review (1 day)

You will get hands on experience with actual plans during this intensive one day seminar. You will learn how to read plans and specifications, and meet submittal requirements for new fire protection systems or for modifications to existing systems. A good working knowledge of NFPA 13 is highly recommended. (Price includes NFPA 13.)

### NFPA 45, Fire Safety in Research Labs (1 day)

This seminar will review the organization of NFPA 45, its scope and application. Upon completion, participants will be able to classify laboratories as Class A, B, or C as defined in the standard and evaluate the egress within the laboratory. Participants will also be able to determine when this standard applies to laboratories, when sprinklers are required as well as the need for portable fire extinguishers. Other topics that will be covered in this 1-day seminar are requirements for hood venting, classification of liquids as defined in NFPA 30 and referenced by NFPA 45, and construction requirements for laboratory units. (Price includes NFPA 45.)

### BEHIND-THE-SCENES TOUR (9:00 am – 3:30 pm) Fermi National Accelerator Laboratory

Witness first-hand the unique fire protection challenges at the Department of Energy's Fermi National Accelerator Laboratory. Fire protection engineers must design fire protection systems for one-of-a-kind scientific facilities, such as complex particle beam experiments and underground accelerators. The tour will begin with a presentation on fire protection and a brief overview of the physics research that takes place at Fermilab. We will visit several detector buildings, the main control room, and Fermilab's remote operations center for the Large Hadron Collider at CERN, in Switzerland. (Price includes lunch and transportation from McCormick Place. Tour is limited to 60.)

### BEHIND-THE-SCENES TOUR (9:00 am – 3:30 pm) Underwriters Laboratories

Join us for a tour of Underwriters Laboratories' Northbrook, IL, corporate campus. Witness and monitor a large-scale fire test involving a warehouse rack configuration and sprinkler system 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. Tour UL's one-of-a-kind Traveling Safety Exhibit, a unique mobile safety vehicle designed to promote safety awareness. Lastly, participate in a lively, informative presentation by UL fire safety engineers and regulatory staff on applicable fire codes as they relate to NFPA 13, 20 and 72.

### **1-DAY SEMINARS •** SUNDAY, JUNE 7

### Dust Explosion Hazards (1 day)

This one-day seminar defines crucial terms used in explosion hazard management, outlines the process of a dust deflagration and provides real-world examples of hazardous areas with key indicators regarding how to recognize an explosion hazard when one is encountered. The seminar then reviews NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids, 2006 Edition, and shows how the provisions of this standard are used to manage the dust explosion hazard to a level that is deemed acceptable under the currently adopted building codes. (Price includes NFPA 654.)

# Emergency Evacuation for People with Disabilities (1 day)

How do people with various disabilities become aware of building emergencies? How do they react to potentially catastrophic events? What special features or systems may be needed to assist during emergencies? What planning and operational characteristics may be needed to provide "equal egress" during emergencies? During this seminar you will discuss concepts like the five general categories of disabilities and four elements of evacuation information occupants need for planning purposes. You will also walk through questions designed to gather information people with disabilities need to prepare individual evacuation plans. This seminar will provide people with disabilities, employers, building owners, and others, vital assistance in developing individual evacuation plans. (Price includes NFPA's *Emergency Evacuation Guide for People with Disabilities* and the Personal Emergency Evacuation Planning Checklist.)

### NFPA 72<sup>®</sup>—Proposed Changes (1 day)

The *National Fire Alarm Code*<sup>®</sup> deals with the application, installation, location, performance, and maintenance of fire alarm systems and their components. Learn about proposed revisions to this vital code, including the technical background and practical application of the most significant proposals.

### NFPA 99, Health Care Facilities (1 day)

The proper application of NFPA 99, *Health Care Facilities*, is critical for anyone who operates or maintains a health care facility. Acquire practical information that will allow you to minimize hazards in health care facilities by complying with requirements for electrical systems, medical gases, electrical equipment, gases equipment, and laboratories. (Price includes NFPA 99.)



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### **EXPOSITION HOURS**

### Monday, June 8 Exposition

Tuesday, June 9 Exposition

3:30 - 7:30 pm **Networking Reception** 6:00 - 7:30 pm

11:00 am - 4:00 pm

Wednesday, June 10 Exposition

10:00 am - 2:00 pm

### **Networking Reception**

Monday, June 8, 6:00-7:30 pm in the Expo Hall **Connect with other dedicated professionals** at this annual networking event.

### **Enter the Grand Prize Giveaway!**

Drawing to be held Wednesday, June 10, at 1:45 pm You must be present to win!

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# **Association Technical Meeting**

WEDNESDAY, JUNE 10, 2:00 PM • THURSDAY, JUNE 11, 8:00 AM

The Association Technical Meeting will start at 2:00 pm on Wednesday June 10, and will continue Thursday, with breaks as required. Under 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 of 2008 and annual 2009 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: Fall 2008 revision cycle and the annual 2009 revision cycle, which will be available on May 1, 2009.

For more information and to download the entire Motions Committee Report available on May 1, 2009, visit www.nfpa.org/conference.

### FALL 2008 REVISION CYCLE

The Motions Committee of the Standards Council has determined that the following documents have at least one certified amending motion that may be presented at the 2009 Association Technical Meeting in Chicago:

NFPA 52	Vehicular Fuel Systems Code
NFPA 55	Standard for the Storage, Use, and Handling of Compressed Gases and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks
NFPA 501	Standard on Manufactured Housing
NFPA 909	Code for the Protection of Cultural Resources Properties—Museums, Libraries, and Places of Worship

### The following documents in the fall 2008 revision cycle received no "Notice of Intent to Make a Motion" (NITMAM) or were forwarded directly to the Standards Council for issuance on December 9, 2008. The effective date of these documents is December 29, 2008.

NFPA 36	Standard for Solvent Extraction Plants
NFPA 82	Standard on Incinerators and Waste and Linen Handling Systems and Equipment
NFPA 150	Standard on Fire and Life Safety in Animal Housing Facilities
NFPA 170	Standard for Fire Safety and Emergency Symbols
NFPA 225	Model Manufactured Home Installation Standard
NFPA 241	Standard for Safeguarding Construction, Alteration, and Demolition Operations
NFPA 271	Standard Method of Test for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
NFPA 501A	Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities
NFPA 1670	Standard on Operations and Training for Technical Search and Rescue Incidents
NFPA 1963	Standard for Fire Hose Connections
NFPA 1965	Standard for Fire Hose Appliances
NFPA 1975	Standard on Station/Work Uniforms for Fire and Emergency Services

### **ANNUAL 2009 REVISION CYCLE**

The Motions Committee Report on documents in this cycle will be posted on the NFPA Web site no later than May 1, 2009. Following are documents in the Annual 2009 Revision Cycle that could receive Notice of Intent to Make a Motion and be presented for action at the 2009 Association Technical Meeting in Chicago:

NFPA 13	Standard for the Installation of Sprinkler Systems
NFPA 13D	Standard for the Installation of Sprinkler Systems in One- and Two- Family Dwellings and Manufactured Homes
NFPA 13R	Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height
NFPA 20	Standard for the Installation of Stationary Pumps for Fire Protection
NFPA 24	Standard for the Installation of Private Fire Service Mains and Their Appurtenances
NFPA 72®	National Fire Alarm Code®
NFPA 80	Standard for Fire Doors and Other Opening Protectives
NFPA 99	Standard for Health Care Facilities
NFPA 99B	Standard for Hypobaric Facilities
NFPA 101A	Guide on Alternative Approaches to Life Safety
NFPA 105	Standard for the Installation of Smoke Door Assemblies and Other Opening Protectives
NFPA 110	Standard for Emergency and Standby Power Systems
NFPA 111	Standard on Stored Electrical Energy Emergency and Standby Power Systems
NFPA 130	Standard for Fixed Guideway Transit and Passenger Rail Systems
NFPA 291	Recommended Practice for Fire Flow Testing and Marking of Hydrants
NFPA 302	Fire Protection Standard for Pleasure and Commercial Motor Craft
NFPA 400	Hazardous Materials Code
NFPA 430	Code for the Storage of Liquid and Solid Oxidizers
NFPA 432	Code for the Storage of Organic Peroxide Formulations
NFPA 434	Code for the Storage of Pesticides
NFPA 490	Code for the Storage of Ammonium Nitrate
NFPA 1123	Code for Fireworks Display
NFPA 1221	Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems
NFPA 1710	Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments
NFPA 1720	Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations and Special Operations to the Public by Volunteer Fire Departments

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B.

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○ C. Approve ○ D. No Involvement

F. Not Applicable

8

How much fire protection/life safety equipment/services does your

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GENERAL INFORMATION	

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Free when you register in advance. \$95 Onsite (unless you prese	ent this form)		<b>STEP 5:</b> ATTENDEE INF	
<b>STEP 3:</b> PRE-CONFERENCE SEMINAR (JU	JNE 6-8) REGISTRATION		Which of the following best descril A. Architect	bes your current job function? (Check one on K. Inspector/Building Official
Pre-Registration required (does not include Conference			O B. Building Owner/Manager	O L. Installer
am registering for the following Pre-Conference Seminar(s)			C. Consultant/Consulting Engineer D. Contractor	<ul> <li>M. Loss Control/Risk Manager</li> <li>N. Manager/Administrator</li> </ul>
Automatic Sprinkler (Sat/Sun/Mon)	○ Member \$895 / ○ Non-Member \$995	\$	🔾 E. Educator	0 0. Manufacturer
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CFPS Primer (Sat/Sun)	Member \$625 / Non-Member \$695	\$ \$	H. Fire Chief	R. Sales/Marketing
<ul> <li>Code Reg's for Maintaining Fire &amp; Life Safety Systems (Sat/)</li> </ul>		\$ \$	O I. Fire Marshal	Ō S. Other
<ul> <li>Environment of Care: The Next Evolution (Sat/Sun)</li> </ul>	Member \$625 / Non-Member \$695	\$	<ul> <li>J. Fire Service</li> <li>What industry or husiness is your</li> </ul>	r organization in? (Check all that apply)
<ul> <li>Life Safety Code<sup>®</sup> Plans Review (Sat/Sun)</li> </ul>	○ Member \$625 / ○ Non-Member \$695	\$	A. Architecture	I. Health Care
<ul> <li>NFPA 1, Fire Code (Sat/Sun)</li> </ul>	🔘 Member \$625 / 🔾 Non-Member \$695	\$	A. Architecture B. Contractor/Installation	J. Industry/Factory/Warehouse
<ul> <li>NFPA 45, Fire Safety in Research Labs (Sat/Sun)</li> </ul>	Member \$625 / Non-Member \$695	\$	C. Commercial (Office, Retail, Restaura D. Detention/Prisons	nt) O K. Insurance/Risk Management
<ul> <li>NFPA 70E, Electrical Safety in the Workplace (Sat/Sun)</li> </ul>	Member \$625 / Non-Member \$695	\$		Ō M. Military
<ul> <li>NFPA 921, Fire &amp; Explosion Investigations (Sat/Sun)</li> </ul>	O Member \$625 / O Non-Member \$695	\$	<ul> <li>F. Electrical Services</li> <li>G. Fire Service (public or private) EM</li> </ul>	N. Utilities
<ul> <li>NFPA 1600, Disaster/Emerg. Mgmt. &amp; Bus. Continuity Prgms</li> </ul>		\$	H. Government	
Crowd Safety and the Life Safety Code <sup>®</sup> (Sat)	○ Member \$345 / ○ Non-Member \$395	\$		do you buy, specify, recommend, or
Explosion Prevention and Protection (Sat)	$\bigcirc$ Member \$345 / $\bigcirc$ Non-Member \$395	\$	approve for your company? (Check	
IAEI Soares Grounding & Bonding (Sat)	$\bigcirc$ Member \$345 / $\bigcirc$ Non-Member \$395	\$	A. Alarm/Detection Systems B. Building Construction Materials	G. Hazmat Storage/Handling H. Pumps/Controls/Valves
<ul> <li>NFPA 13 – Proposed Changes (Sat)</li> <li>Sprinkler Systems Plans Review (Sat)</li> </ul>	<ul> <li>○ Member \$345 / ○ Non-Member \$395</li> <li>○ Member \$345 / ○ Non-Member \$395</li> </ul>	۶ د	O C. Education/Training	<ul> <li>I. Security Products/Services</li> </ul>
<ul> <li>Sprinker systems Plans Review (Sat)</li> <li>Dust Explosion Hazards (Sun)</li> </ul>	$\bigcirc$ Member \$345 / $\bigcirc$ Non-Member \$395	\$	D. Electrical Equipment/Services     E. Extinguishers/Foams/Exiting Equi	<ul> <li>J. Sprinklers/Sprinkler Systems</li> <li>p. K. Signaling Systems</li> </ul>
Fmeraency Evacuation for People with Disabilities (Sun)	$\bigcirc \text{ Member $345 / } \text{ Non-Member $395}$	¢	F. Fire Department Equip./Services	D. O K. Signaling systems

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Sprinkler Systems Plans Review	Sat)

- Dust Explosion Hazards (Sun)
- Emergency Evacuation for People with Disabilities (Sun)
- NFPA 72<sup>®</sup> Proposed Changes (Sun)
- · NFPA 99, Health Care Facilities (Sun)
- Behind-the-Scenes Tour Fermi National Labs (Sat)

### Behind-the-Scenes Tour – UL Facility (Sat)

### TOTAL REGISTRATION AMOUNT

Photo identification is required to pick up your registration materials onsite. You may not pick up anyone else's materials. One-day registrations can only be picked up on the day the registration is valid. CANCELLATION POLICY: Written cancellation requests must be submitted on or before May 16, 2009, to qualify for a refund. Refunds will reflect a \$75 processing fee. After May 16, 2009, no refunds will be issued. Cancellations must be sent to: NFPA Registration, c/o Exgenex, Inc., 437 Turnpike Street, Canton, MA 02021; phone 888-397-6209; email NFPA2009@exgenex.com.

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