



# THE FIRE PROTECTION RESEARCH FOUNDATION

*Research in support of the NFPA mission*

## Welcome

We hope you like the new look and feel of the Foundation's newsletter. If for any reason you have trouble viewing it, please let us know.

## Fire Protection and Safety: Preparing for the Next 25 Years

The Foundation celebrates its 25th birthday with a look to the issues that will affect fire safety in the next generation. We invite your input on this topic through an open forum and through participation in our fall symposium, to be held on November 17 and 18 in Washington, D.C.

Nationally recognized keynote speakers—including U.S. Fire Administrator **Gregory Cade**—will challenge industry participants on the emerging demographic, technological, and environmental issues facing us, and industry panels will discuss the impact on our

## Call for Papers

### **SupDet 2009 February 24-27 in Orlando, Florida**

Participate in the Foundation's annual update on the latest in sprinkler and fire alarm research and technology.

---

## New Reports available on the [Foundation's website](#)

### ***Home Fire Sprinkler Cost Assessments***

The Foundation undertook this study to provide a national perspective on the cost of home fire sprinklers by developing data on installation costs and cost savings for 10 communities distributed throughout the United States. The study also explores the range of insurance premium discounts available to homeowners with sprinkler systems in their houses.

### ***Measuring the Code Compliance Effectiveness for Fire-Related Portions of Codes***

This report documents the results of a Foundation study that addresses code compliance effectiveness for fire-related portions of codes through a twofold approach that refines the effectiveness measurement methods developed in the 1976 NFPA/Urban Institute study and enhances the detail and usefulness of the effectiveness measurement methodology. The goal of the project has been to develop a tool to measure how fire prevention activities of fire safety enforcement organizations can reduce fire risk in communities, where both prevention and enforcement organization are interpreted broadly. In addition, the project includes a component on Leadership in Life Safety Design (LLSD), which is a potential management tool directly related to the measurement of code compliance effectiveness.

### ***Summary of International Road Tunnel Fire Detection Research Project—Phase II***

This report summarizes a three-year research study designed to investigate the performance of fire detection systems in roadway tunnels. The project included seven distinct tasks, including modeling and full-scale testing, carried out by the National Research Council of Canada and Hughes Associates, Inc. This summary report presents a review of the findings of each task and presents conclusions and recommendations for consideration by the tunnel safety community. Reports on each individual task are also available on the Foundation's website.

---

## Research Planning

### **Next-Generation Performance Metrics for Fire Detection**

On August 15, members of the fire alarm community met to discuss a roadmap for future research related to fire detection performance. The result was the definition of

community.

Visit [our website](#) to participate in the forum and register for the symposium.



---

## Contact the Foundation

[epeterson@nfpa.org](mailto:epeterson@nfpa.org) for more information or to participate in Foundation programs

### Foundation Website:

[www.NFPA.org/Foundation](http://www.NFPA.org/Foundation)

---

This e-mail was sent to %%  
EMAIL%%.

[Change your e-mail preferences](#)

[Unsubscribe](#)

Please do not reply to this email.

a high-priority project designed to develop testing methods and data on the products of combustion from nuisance sources and new home furnishings that can be used to evaluate and improve detector performance. Contact [kalmand@nfpa.org](mailto:kalmand@nfpa.org).

### Advisory Committee on Electrical Safety Research

On August 28, leaders from the *National Electrical Code*®-making panels met to identify and prioritize needed research in support of the *NEC*®. Over 30 items were identified, with 5 priorities: developing profiles of typical and future residential power consumption; developing data to improve the performance requirements for surge protection by defining the causes and magnitude of the hazard; developing an approach to facilitate retrofit of AFCIs in older homes; developing a means to evaluate the remaining useable life of electrical components; and studying the impact of third-party certification versus self certification on electrical safety. The Foundation will develop these projects. For information, contact [cgrant@nfpa.org](mailto:cgrant@nfpa.org).

### Automatic Sprinkler Fire Protection Research Council

The Council will hold its first meeting on September 22 in Savannah, Georgia, with a goal of developing and setting priorities for research in support of NFPA 13, *Installation of Sprinkler Systems*. Contact [kalmand@nfpa.org](mailto:kalmand@nfpa.org).

