



Executive Fire Officer Program

24th Annual Executive Fire Officer Program Graduate Symposium

May 4–6, 2012

“Sprinklering America: We Can, We Should, and We Must”

Tentative Agenda and Presenters:

(The following presentations and programs are subject to final procurement actions.)

The Executive Fire Officer Program (EFOP) Graduate Symposium represents the U.S. Fire Administration (USFA)/National Fire Academy's (NFA's) official weekend for alumni. It is an opportunity for alumni to return home to the NFA in Emmitsburg, MD. Since 1985, the EFOP has challenged its Executive Fire Officers (EFOs) to lead. Its 3,000+ alumni have responded and continue to exercise leadership within their communities. For the 24th time, USFA/NFA will provide to its alumni a “battery charging” event filled with new and reinforcing information with a spirited sense of renewal, as there is a great deal of work yet to accomplish.

The symposium program focus will further examine existing EFOP curricula themes and discover new information within the areas of exercising leadership, homeland security, firefighter safety and health, public policy, political perspectives, and applied research. **This year the symposium will provide particular emphasis on renewing efforts regarding the installation of residential sprinkler along with the maintenance of early warning detection devices and systems.**

In the history of the 23 symposia, **there has never been a single participant who stated he or she would not attend a future symposium** based on the quality and content of the program.

The USFA invites all EFOP alumni to be a part of this 24th symposium!



“Sprinklering America: We Can, We Should, and We Must”

Fire death and injury along with millions of dollars of property loss continue to plague the United States of America every year, particularly in homes and residential occupancies. Recent efforts to require residential sprinklers in new construction have either stalled, been repealed, or suffered discouraging consequences. Horrible events like the 2011 Christmas Day fire in Connecticut where five family members died from a residential fire loom in our minds and remind the fire service that there is much work to do.

The 24th Annual EFOP Graduate Symposium theme of “Sprinklering America: We Can, We Should, and We Must” is intended to reinstall and motivate alumni to pursue built-in passive sprinkler protection along with early warning devices. **We can** do this because the technology is both present, and has been around for some time. **We should** do this because there is sufficient data to demonstrate that such protection can reduce the residential fire problem by as much as 80–90 percent, maybe more. And **we must** do this because all EFOP alumni have further opportunity to exercise leadership. It is the right thing to do.

Invited Presenters:

National Fire Sprinkler Association

A team from the National Fire Sprinkler Association (NFSA) will be present and conduct a “side-by-side” live burn of two specially constructed residential environment modules. A special presentation will be made to the USFA of a visual display that you will not want to miss. NFSA will also provide a presentation on the status of residential sprinkler initiatives across the United States and recommended directions for the fire service to pursue.



U.S. Fire Administrator
Chief Ernie Mitchell

U.S. Fire Administrator Chief Ernie Mitchell

Newly appointed U.S. Fire Administrator Ernie Mitchell will address the EFOP alumni and comment on USFA’s efforts regarding residential sprinklers. Ernie Mitchell is an active member and former officer of the International Association of Fire Chiefs (IAFC). Ernie retired as the fire chief and Assistant Director of Disaster Emergency Services for the City of Pasadena, CA, Fire Department after 33 years in the fire service. During his last year in Pasadena he was also President of the IAFC, where he continued until the completion of his term. He served in Pasadena from 1998 until 2004. Prior to becoming fire chief in Pasadena, Chief Mitchell served as fire chief and deputy city manager in the City of Monrovia, CA, for 7 years. His most recent professional affiliations include serving as a member of the International Fire Service Training Association (IFSTA) Executive Board, the International Association of Firefighters Hazardous Materials Advisory Board, the IAFC President’s Council, the IAFC Foundation Board, and the IAFC/International Association of Fire Fighters (IAFF) Labor/Management Initiative Facilitator Team. In previous years he had served as a member of the Department of Homeland Security’s (DHS’s) Science and Technology Advisory Committee; served on numerous committees and task forces of the IAFC; and presided over several fire service organizations, including the Los Angeles Area Fire Chiefs Association, the League of California Cities Fire Chiefs, and the Foothill Fire Chiefs. He has also been an advocate for the National Fallen Firefighters’ “Everyone Goes Home” program, an adjunct instructor for the NFA, and a member of the Editorial Advisory Board of “Fire Chief Magazine.”



Gregory B. Cade

**Gregory B. Cade, Division Director of Government Affairs,
Timothy Travers, Regional Fire Sprinkler Specialist
National Fire Protection Association**

Fire chief and former U.S. Fire Administrator Gregory Cade (retired) recently left the Federal government service as an appointee of President Bush confirmed by the Senate as the Assistant Secretary in the DHS in charge of the USFA. He now works for the National Fire Protection Association (NFPA) as the Director of Government Affairs. In that capacity, he works with Congress and numerous Federal, State, local, tribal, and international entities to further comprehensive safety issues. He has written numerous articles for various trade publications on leadership, safety, and homeland security. He has also been the keynote speaker at a significant number of conferences covering similar topics. He has over 44 years in emergency service as a responder and emergency manager. Chief Cade is a graduate of the University of Maryland and the Kennedy School of Government at Harvard.



Timothy Travers

Tim Travers joined the NFPA as the first of two newly established Regional Fire Sprinkler Specialists. As part of the NFPA's Fire Sprinkler Initiative and Strategic Goal for State level residential sprinkler mandates, Tim works in the field primarily within the New England and Mid-Atlantic Regions to support this effort.

Previously, he was the New England Regional Manager for the National Fire Sprinkler Association, working on similar sprinkler adoption efforts and sprinkler contractor member services within the New England region. Prior to that, Tim was a 35-year career firefighter with the Whitman, MA Fire Department, retiring in 2008 after serving 21 years as Chief of the Department. Tim is a Life Member of the IAFC, past President of the Fire Chiefs Association of Massachusetts, past Chairman of the Massachusetts Fire Service Commission, and a graduate of the NFA's EFOP.

Johns Hopkins School of Public Health, Baltimore, MD

“Residential fires have long been a leading cause of morbidity and mortality in Baltimore where the fire death rate during the 5 years from 2003 to 2007 was more than three times the national rate. As in many places, fire in Baltimore City is a problem that disproportionately affects the young. Baltimore children are more than four times likely to die in a home fire than children nationwide” (Frattaroli, McDonald, Tran, Trump, O’Brocki III, and Giele, 2011). Representatives of the Johns Hopkins Bloomberg School of Public Health, the Baltimore City Fire Department, and the Maryland State Fire Marshals Office will discuss their research and programs addressing smoke alarms and sprinklers. Information related to effective smoke alarm home inspections programs to working with State legislatures on residential fire sprinkler laws will be presented.



Dan Madrzykowski

**Dan Madrzykowski, Fire Protection Engineer,
National Institute of Standards and Technology, Center For Fire Research,
Gaithersburg, MD**

Dan Madrzykowski is a fire protection engineer in the Fire Fighting Technology Group of the Fire Research Division (FRD) of the Engineering Laboratory (EL) at the National Institute of Standards and Technology (NIST). Mr. Madrzykowski has been conducting fire research for more than 25 years. He began studies at NIST to measure the ignition-

inhibiting properties of compressed air foam (CAF) fire suppressant. Mr. Madrzykowski has conducted a study with 20-MW gas/oil well fires to determine the radiation-reduction effects of small quantities of water spray entrained near the base of the fire. Mr. Madrzykowski used his blowout fire research experience as a member of the team from NIST that went to Kuwait to make ground-based measurements on the oil well fires in 1991.

Mr. Madrzykowski has led projects to determine the effects of sprinklers and water mist systems on temperature and toxic gas concentrations of fire gases. He also has been the project leader for a sprinkler fire suppression study. The heat release rates of several office furniture fuel packages were measured in a free burn condition and under the influence of a sprinkler spray. He used the heat release rate data to develop a sprinkler fire-suppression algorithm, which is used as the suppression model for FPETOOOL and FASTLITE. As part of a multidisciplinary team, Mr. Madrzykowski made two trips to Kobe, Japan, in 1995 to investigate the postearthquake fires which destroyed more than 6,400 buildings. Mr. Madrzykowski is a registered professional engineer. He is a member of the NFPA and serves on their technical committees for Fire Service Training and Fire Investigations. He served as the Chair of the NFPA Residential Sprinkler Systems Committee from 1996 to 2006 and as the Chair of the NFPA Research Section from 2004 to 2009. He is also a fellow of the Society of Fire Protection Engineers (SFPE) and he currently serves on their board of directors. Mr. Madrzykowski is a world expert on fire service operations, tactics, and technologies. In addition, he was invited to participate in Vision 20/20 Steering Committee, a group of high-level fire safety professionals, developing national strategies for fire loss prevention. Mr. Madrzykowski serves on seven standards-related committees and chairs three of those committees, which is an exceptionally high number. He is currently completing his Ph.D. with the University of Canterbury in New Zealand.

2011 Outstanding Applied Research Project Award Panel Presentation

The four 2011 EFOP Outstanding Applied Research Project (ARP) Award winners will be invited to present and defend their research. The symposium is certainly the highlight of the EFOP year and the individuals selected each year present their research and receive recognition representing the “best of the best.”

The four recipients will be empanelled and jointly respond to questions and comments from the audience who will have received their research reports in advance to review and critique.

The 2011 Outstanding ARP Award recipients are

Executive Development Course Awardee:

Scott Somers, Administrator, City of Mesa Fire Department, Mesa, AZ

ARP Paper: “Rooftop Solar Photovoltaic Feasibility Study for the Mesa Fire Department”

Executive Analysis of Community Risk Reduction Course Awardee:

Brian Ashton, Captain, City of Boise Fire Department, Boise, ID

ARP Paper: “The Fire Risks of a Corn Field Maze”

Executive Analysis of Community Risk Reduction Course Awardee:

Steven T. Wright, Deputy Fire Chief, South Kitsap Fire & Rescue Department, Port Orchard, WA
ARP Paper: "Aligning South Kitsap Fire and Rescue School Fire Safety Education Program with Community Risks"

Executive Analysis of Fire Service Operations in Emergency Management Course Awardee:

Stephen Abbott, Battalion Chief, North County Fire Protection District, Fallbrook, CA
ARP Paper: "Assessing the Effects of Energy Beverages Upon Firefighter Health and Safety"

2011 Executive Fire Officer Program Outstanding Applied Research Project Award Winners, Roll of Honor, and Graduate Recognition Ceremony

Each year the USFA's NFA has the opportunity to formally recognize those senior fire executives who distinguished themselves by completing the EFOP during the prior calendar year. During the Symposium Banquet on the evening of Saturday, May 5, 2012, these individuals will be recognized and congratulated by DHS/USFA/NFA officials and their peers. The 2011 Outstanding ARP Award Winners will also officially receive their awards, and the NSEFO will present the "A. Don Manno Outstanding Applied Research Award" to the same award winners.

The Symposium Banquet this year will be cosponsored by the NSEFO and held at St. Joseph's Catholic Church Parish Hall in Emmitsburg. Attendees will not be required to pay a meal cost to Guest Services for this event, but rather, will pay NSEFO directly to attend. Family members are invited to attend as well. More information on this will be included in the symposium acceptance letter.

This year the USFA is pleased to recognize and honor its eighth EFOP graduate since program inception to be listed on the EFO "Applied Research Project Roll of Honor." Fire Chief Daniel N. Olson of the Poulsbo, WA, Fire Department will be honored for his completion of four ARPs at a 4.0 academic level. Congratulations Chief Olson!

Friday Evening Presentation: "Committing to Lead—Lessons From 'Blackhawk Down' to 'Sprinkler the Homes of America'"

Presenter: Colonel Danny R. McKnight, (U.S. Army (retired)), Rockledge, FL

Our Friday evening presenter and program this year promises to be, once again, a very memorable occasion. Colonel Danny R. McKnight (U.S. Army, retired) served the United States of America with a career in the U.S. Army. In 1985, Colonel McKnight earned his master's degree in higher education from the University of Florida while assigned as assistant professor of military science in the Reserve Officers' Training Corps (ROTC) Department. In 1989, Colonel McKnight faced combat in Panama and then again in Somalia (Mogadishu), then in 1993 he served as a Command Officer within Task Force Ranger. This conflict would become the subject and basis for the book and movie, "Blackhawk Down."



Colonel
Danny R. McKnight

Colonel McKnight has been awarded the Legion of Merit twice, the Bronze Star Medal for Valor, the Purple Heart, the Combat Infantryman's Badge, the Ranger Tab, the Master Parachutist Badge with Combat Star, and the Pathfinder Badge. After serving the Army and United States for 28 years, he retired and now resides with his wife Linda in Rockledge, FL.

Colonel McKnight will address alumni of the EFOP, using his experience to provide a better understanding of the unparalleled commitment required to lead when executing operations in times of challenge and uncertainty. The symposium theme of "Residential Sprinklers: We Can, We Should, and We Must" will certainly be reinforced. The real world experiences of Colonel McKnight both in Mogadishu and throughout his military career will be expounded on to relate the commitment and exercising of leadership necessary to achieve mission success.

Executive Leadership Presentation: "What Does the Most Deadliest Day in American History Have to Do With Exercising Leadership?" A Staff Ride to the Antietam National Battlefield



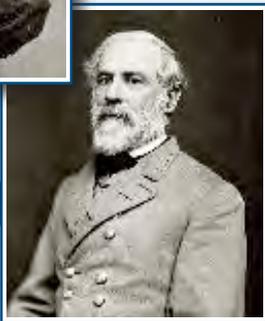
Presenters:

- **Jim Rosebrock, Lieutenant Colonel, U.S. Army Reserve (retired) and Certified Battlefield Guide**
- **Selected Guides, Western Maryland Interpretive Association**

There have been many dark days in the history of the United States, including September 11, 2001, the bombing of Pearl Harbor in 1941, the D-Day invasion of coastal France on the beaches of Normandy by Allied Forces just to name a few. However, the deadliest single day in American history occurred just a few miles from Emmitsburg, MD, in Sharpsburg, MD, on what today is known as "Antietam." In September of 1862, the Army of Northern Virginia under the command of General Robert E. Lee entered Maryland and would then engage the Army of the Potomac whose Commanding Officer was General George McClellan. On September 17, 1862, at the end of the day over 23,000 Americans became casualties within this significant U.S. Civil War battle. This year marks the 150th anniversary of this most significant battle and day in U.S. history.

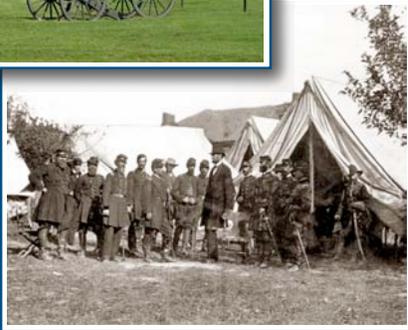
Antietam would become an opportunity for Abraham Lincoln to issue his "Emancipation Proclamation." Lincoln had been patiently waiting for a trigger event that would substantiate his action. Antietam would serve Lincoln's purpose. The war would continue for another 2-1/2 years, but Antietam would forever cast its shadow on the war and the culture of what our country is today.

This year will mark the 150th Anniversary of the Battle of Antietam (Sharpsburg). Our Staff Ride to Antietam will examine the battle as history so that we may further contemplate a variety of exercising leadership and organizational development issues. These include the five Executive Core Competencies (ECQs) of Lead People, Results Driven, Business Acumen, Build Consensus, and Lead Change.





Symposium participants will travel to Antietam via motor coach. An opening session will be held at the Antietam National Battlefield Visitors Center in Sharpsburg. Jim Rosebrock will serve as our Master Guide, and will be supported by additional guides for interpretation. Lunch will be available for purchase at the Shepherdstown Volunteer Fire Department in Shepherdstown, WV.



Lieutenant Colonel (retired) Jim Rosebrock is the Chief of Security and Emergency Programs Division at the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF). Jim's executive qualifications were recently approved by the Office of Personnel Management (OPM) Qualification Review Board. A 33-year Federal Government employee, Jim has over 25 years of supervisory experience as an Army Officer and government manager. He is a weekend National Park Service (NPS) volunteer and Licensed Battlefield Guide at Antietam National Military Park who leads, on average, over 40 tours a year at the park. Jim has two Civil War related blogs, "South From the North Woods" and "Antietam Voices," which he updates regularly. He has twice presented his highly regarded "Antietam Leadership Lessons" program to the Teacher Education Institute's (TEI's) Executive Forum, and made similar presentations for the Department of Justice "Leadership Excellence and Achievement Program" (LEAP) and to ATF's Leadership Institute as well.

Closing Presentation: "Inspire Integrity"

Presenter: Dr. Corey Ciocchetti, Associate Professor of Business Ethics and Legal Studies, University of Denver, Denver, CO



Dr. Corey Ciocchetti

Dr. Corey Ciocchetti is an associate professor of business ethics and legal studies in the Daniels College of Business at the University of Denver. He was a clerk for the Honorable John Kane in U.S. District Court in Colorado and founded/ran a small business providing sports programs to cities and parks and recreation districts before joining the University of Denver. Corey received the "Charles Hewitt Master Teacher Award" from the Academy of Legal Studies in Business, the "Outstanding Professor of the Year Award" by the University of Denver Alumni Association, the "Scholarship of Teaching Award" by the Daniels College of Business, and the "Scholarship of Discovery Award" by the Daniels College of Business. In August 2010, Corey won the "Holmes-Cardozo Award" for top conference paper and also received the "Distinguished Junior Faculty Member" award by the Academy of Legal Studies in Business. Corey's articles appear in his discipline's top journals and have been downloaded over 11,000 times. Corey has received the highest student evaluations of teaching in the Daniels College of Business 11 times since 2004 and, over the past 7 years, his student evaluations of teaching average a 5.97 out of 6.0.

Dr. Ciocchetti has earned his J.D. from Duke University School of Law, an M.A. in religious studies from the University of Denver, a BSBA in finance from University of Denver (summa cum laude), and a B.A. in economics from the University of Denver (summa cum laude).

