



## *From the Director's Desk*

This will be my last newsletter as Director. During the past 15 years I have had the extraordinary privilege of serving you and the Illinois fire service as the leader of a truly committed and gifted group of instructors and staff. During that time they have developed and implemented two Visions.

IFSI Vision 2000 envisioned the Volunteer Fire Service Summit and helped build critical 21st century fire service partnerships with IFSI. It led to the stabilization of our statutory funding. It envisioned the Cornerstone Program that has enabled IFSI to conduct some 5,000 classes providing nearly one million student instructional hours to more than 100,000 firefighters since the program began in 1999. Vision 2000 also initiated the development of our online training program that now offers a dozen different courses to more than 1,000 firefighters annually. Vision 2000 began the expansion of the IFSI library into the state-of-the-art learning support center that provides online and reference services, a unique library collection and the Illinois Firefighter Line of Duty Death (IFLOOD) online data base to preserve the history and lessons learned from every Illinois firefighter line of duty death.

Following Vision 2000, we developed and implemented Vision 2010 to continue to grow the institute in response to your needs and to respond to events of 9/11. Vision 2010 envisioned creating new relationships with the Chicago Fire Department (CFD), which now sees IFSI engaged with CFD training on a daily basis and reaching virtually every Chicago firefighter annually.

We became an integral part of the Illinois Terrorism Task Force (ITTF) hosting 17 regional planning workshops culminating in the statewide Homeland Security Summit in 2002, which helped to provide the strategic direction of the ITTF for the remainder of the decade. As a leader for ITTF training, IFSI developed and delivered 18 distinct NIMS, HazMat and technical rescue courses, totaling more than 600 course hours and

achieving US Department of Homeland Security recognition for the courses.

We developed Rescue City. We designed and built the vertical plus confined space training prop that was then replicated at nine regional locations hosted by local fire departments/districts in Marion, Quincy, Quad Cities, Frankfort FPD, Cherry Valley, North Aurora, NIPSTA, Springfield and at Scott Air Force Base.

We developed the 10-for-1 program to provide ten types of credit for IFSI courses to include preparing firefighters to pass State Fire Marshal Certification testing, EMS CEUs, meeting NFPA and OSHA standards, offering college transcript credit through Parkland Community College, offering National Fire Academy plus IFSI dual certificates for IFSI courses, providing NIMS credit and most recently ProBoard national accreditation. We partnered with the Illinois Firefighters Association to develop the Down and Dirty Training program that has provided essential training CD/DvDs to every Illinois fire department.

The culmination of the Vision 2010 process has been the completion of the new 21,500 sqft Learning Resource and Research Center (LRRC). This state-of-the-art facility provides a modern full-service library, research laboratories for both nationally-sponsored firefighter life safety research and fire protection engineer research with the University of Illinois College of Engineering. It provides a large scale Incident Management Training Center that can be activated as an actual Emergency Operation Center, if needed. It provides an international conference center to host large events at IFSI allowing us to bring Winter Fire School and Fire College completely on campus. As part of the plan we have achieved ultra-high speed connectivity with a 10 gigabit internet connection and added significant video conferencing capabilities.

*Richard Jaehne  
Director*

*continued on page 3*

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Richard L. Jaehne

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Roger Lunt

Associate Director  
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Associate Director  
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The Illinois Fire Service Institute Newsletter is the official publication of the Illinois Fire Service Institute, University of Illinois at Urbana-Champaign. The Newsletter is published twice a year and is solely an educational and advisory aid to the fire service and individuals working to establish and maintain a fire safe environment in Illinois.

Opinions expressed in the Illinois Fire Service Institute Newsletter are those of the authors and do not necessarily represent the official opinions of the Illinois Fire Service Institute unless otherwise noted in the article.

The Illinois Fire Service Institute will consider for publication articles or items of interest to the fire service of Illinois and encourages materials from all fire-related professions for consideration.

Persons interested in furnishing articles, should forward materials to: IFSI Newsletter, 11 Gerty Drive, Champaign, IL 61820 or email information to Terri Hopper at [hopper@illinois.edu](mailto:hopper@illinois.edu). Please include appropriate graphics or digital photos.

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***Ask to be added to the mailing list by email to Terri Hopper ([hopper@illinois.edu](mailto:hopper@illinois.edu))***

***OR***

***A copy is available on our web site under ABOUT IFSI/Documents.***

## *A Little About Colonel Mortenson*

Colonel Mortenson was commissioned as a Marine Second Lieutenant April 1983 and served with distinction around the world as an infantry officer and infantry platoon, company and battalion commander during his 29-year career. He served at the Marine Corps Officer Candidate School, Marine Corps Combat Development Command (MCCDC) as a platoon commander, company executive officer and Assistant Operations Officer. He served at Headquarters US Marine Corps as a current operations action officer, Commandant's Briefing Officer and current-ops section head working HQMC operational issues with the Joint Staff, combatant CINCs and the MARFOR Components.

He served as the Current Operations officer for the 2nd Marine Expeditionary Brigade before assuming command of the 2nd Battalion (infantry), 8<sup>th</sup> Marines (2/8) in December 2001. During this command tour, the battalion deployed and participated in combat operations during OPERATION IRAQI FREEDOM.

Following his combat tour of duty, Colonel Mortenson served as a G3 Operations Officer and later assumed command of The Basic School (TBS) at MCCDC, Quantico, VA. Later he was assigned to the Joint Staff in Washington, DC, where he served as the Central Asia/South Asia Division Chief. His responsibilities included

Afghanistan-Pakistan strategy development for the Chairman of the Joint Chiefs. More recently, Colonel Mortenson served as the Chief of Staff for the Commanding General Marine Corps Combat Development Command/Deputy Commandant for Combat Development and Integration, Quantico, VA. Colonel Mortenson is currently assigned as the Director of the United States Marine Corps Command and Staff College, Marine Corps University, Quantico, VA.

Colonel Mortenson's studies include National War College, National Defense University, where he earned a Masters Degree in Strategic Studies, Marine Corps Command and Staff College and the School of Advanced Warfighting earning a Master's Degree in Military Studies and the Marine Corps Amphibious Warfare School.

Colonel Mortenson's personal awards include the Defense Superior Service Medal, the Legion of Merit with gold star in lieu of second award, the Bronze Star with (V), Meritorious Service Medal with gold star, the Navy and Marine Corps Commendation Medal, the Navy and Marine Corps Achievement Medal, and the Combat Action Ribbon. Colonel Mortenson is married and has three children.

Colonel Mortenson has been an instructor during Fire College, teaching alongside John Norman and Don Haid (FDNY) and Eddie Enright (CFD).

*Colonel Royal Mortenson*

*awaiting University of Illinois Board of Trustees approval to serve as IFSI's next Director*

As we set our sights for the next decade, we have spent the past year conducting a similar strategic planning process we call Vision 2020, which provides direction for the coming decade. We have and will continue to seek your input to this Vision process. Vision 2020 will be led by a new Director who should be appointed this summer. Since I informed University leadership of my intention to retire this summer, they conducted a nationwide search, formed a diverse search committee with strong fire service representation, selected and are seeking Board of Trustees approval to appoint Colonel Royal Mortenson, USMC as the new IFSI director. He will be aboard by 30 July 2012, allowing for a five-week transition, before I retire on 31 August 2012. It is my intention to travel throughout Illinois and introduce Colonel Mortenson to as many of you as possible during August.

**Illinois Fire Service Institute Spring 2012**

The past 15 years have been both extraordinarily challenging and rewarding for the entire fire service and for IFSI in particular. With your support, IFSI has been able to do more for you and it is our hope that we truly have "helped you do your work through the Training, Education, Information and Research." It has been a high privilege to serve as IFSI Director, to be accepted among your ranks as "the Colonel" and hopefully, to serve you. Thank for honoring me by permitting me to consider myself to be part of the Illinois fire service.

Respectfully,



Richard L. Jaehne  
Director

***From the Director's Desk***  
*continued from page one.*

# News Notes

Roger Lunt  
Deputy Director

Even though 2020 is a nearly a decade into the future, IFSI has already begun the planning process that will keep our future focused on a mission of training, education, information and research. This past year IFSI staff have participated in nearly a dozen 2020 Vision Planning meetings. Most of these sessions were a full day. All of them addressed questions relative to a specific IFSI program. Questions such as:

*Who are the primary customers for this program?*

*What is/are the near-, mid-, and long-term objectives for this program topic?*

*What resources are required in FY 2012-13 to begin implementation of this program?*

*Is this a wise investment / direction for IFSI to take?*

*What priority should this program have when compared to other existing and new IFSI programs?*

The IFSI Cornerstone Program was established in 1998 and now reaches more than 10,000 students annually. It is one of the program topics for Vision 2020 planning. The Cornerstone Program reflects the earliest training focus IFSI had as the Firemanship Training program beginning in the late 1940s. Although technology has changed, the six fundamental fire fighting skills that were identified then remain the same today and will unquestionably hold a value to the fire service beyond this decade. The fundamental fire fighting skills are: ladder practices, hose practices, fire apparatus practices, fire stream practices, inspection practices, and firefighting tactics. SCBA has been added, as Personal Protective Equipment, have become the norm, with its own training manuals. On July 22, 2010 Governor Pat Quinn signed into legislation funding that secures Cornerstone training for the Illinois Fire Service. This will enable field training on these fundamental skills many more years to come.

The Cornerstone Vision 2020 planning meeting began with the question: "What is Cornerstone?" While Cornerstone training maintains a solid bond to the fundamental skills identified 60 years ago, the training topics have expanded. Today's Cornerstone program training areas are: Essentials Fire Fighting Skills, Live Fire Training, Hydraulics, Hazardous Materials, Rescue (auto, farm, firefighter), Origin and Cause Awareness and Officer Training. Cornerstone offers the minimum training for a firefighter. It is structured training from a standardized menu that is delivered in the field. It is not a department's training division, but is a valuable augmentation to a fire department's training program. It is not a direct certification program, but may lead to certification if combined with other training which satisfy OSFM certification objectives and testing. Though not every training session offers a hands-on opportunity, the goal of Cornerstone training is getting the firefighter out of the classroom, using the tools, equipment and rigs available to them, when training ends and the response begins. Departments can significantly enhance the training value of a Cornerstone Class by reviewing the Down & Dirty CD/DVD training videos and instructor guides before the training.

While leading training sessions that span local, state and national standards, the Cornerstone instructor will focus in on the resources and response challenges of those in attendance.

These classes are requested through one of the seven IFSI Regional Representatives. In FY2011 IFSI delivered 30 percent more Cornerstone Classes in 21 percent more departments than in FY 2010.

Vision 2020 planning session identified the near, mid-, and long-term goals for the Cornerstone Program. In the near term you will see Cornerstone classes integrate research material, as well as create classes that are specific to IFSI research.

If you have questions or want to request Cornerstone training you should contact your Regional Representative. Requests for classes should have at least a 30-day lead time but it is never too early to discuss the next Cornerstone training session for your department or region.

**Cornerstone Reqs  
are listed on page 11.**

# 88th Annual Fire College

## June 7 - 10

Champaign-Urbana, Illinois

17 different classes to choose from in these dynamic categories:

Fire Fighting ● Officer ● Investigation  
Prevention ● Rescue ● Ag Rescue

### New this year:

- An orientation session for new students
- Welcome Ceremony on IFSI campus
- Group photo
- No gear in classrooms



Complete registration information is available on the IFSI web site

# [www.fsi.illinois](http://www.fsi.illinois)

The IFSI Library will hold its **Annual Used Book Sale** during **Fire College, June 7-10**. Come into the library during those dates to purchase used copies of popular emergency response-related texts and journals.

**“I learned numerous new tips/tricks and tactics that I will carry back to the firehouse.”** 2011 Fighting Single-Family Dwelling Fires student.

# Table Talk

Mac  
McCastland  
Associate  
Director

I don't know if any one takes the weather man or weather lady seriously, but last fall the prediction was that the winter of 11/12 was going to go on record as a real butt kicking, nasty event. Well if this has been the toughest, I think we would all look forward to getting our butts kicked!! I think from the IFSI perspective we can hit the training forecast a little bit better.

A lot of dynamics are taking place with respect to training of the State Deployable Regional HazMat and Technical Rescue Teams (TRT). MABAS has put in place a policy to stabilize Team rosters, in an effort to bring all of the Teams up to fully-trained human bodies in an event of catastrophic nature. MABAS along with IFSI will be working toward this goal of filling in the gaps to being fully trained, and in the bull pen waiting, or in the process of meeting the required levels of either HazMat or TRT training.

Since the inception of the SWMD classes being conducted through IFSI, we have had more than 49,000 students attend the various classes. So in addition to those names that may appear on a MABAS Team Roster, there are numerous other local firefighters ready to go to work, in the normal events that are faced daily, with buildings falling down, excavations caving in, or folks caught in tight places.

With Homeland Security Grant (HSG) funding is on the decline, the areas that qualify for Urban Area Security Initiative (USAI) are stepping up to use those funds to train folks, thus making more HSG funding available to non-UASI areas.

So what the heck does this have to do with the weather forecast? They may have blown it on their end. But The IFSI forecast is that we are going to be busy, and I think we'll hit our mark.

While the majority of our effort to date has been preparing first responders, the national shift is toward National Preparedness that encompasses all the folks who could be involved in an event of major proportions. As we move toward addressing the training requirements that are necessary to meet this challenge, another gate of opportunity swings open, without closing any of the existing.

Before I put a wrap on it, I want to say what a good job our Cornerstone regional reps are doing. They are hitting the bricks, getting the word out to the Fire Service Community about the numerous training opportunities, and working with our field staff to keep them in the loop. NICE JOB!!

Now we can strike it out for this go-around!! Take care out there and don't lose the vision of the job we swore to do – live up to the expectations of the folks in the community who count on you regardless of whatever else may be going on around the job!!

Stay Safe,

MAC

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## Illinois Fire Service Institute classes accredited by ProBoard.

NFPA Standard	No.	Levels to which IFSI is Accredited
Driver/Operator	1002	Pumper, Mobile Water Supply
Rescue Technician	1006	Rope Rescue I, II, I/II; Confined Space I, II
Fire Officer	1021	Fire Officer I, II
Fire Inspector	1031	Fire Inspector I, II
Fire Instructor	1041	Fire Instructor I, II
HazMat	472	Responder Awareness, Operational - Core
FD Safety Officer	1521	Incident Safety Officer

## *Here are few updates from Associate Director Brian Brauer*

*Brian R. Brauer  
Associate  
Director*

**Wildland classes** are growing in popularity. Initially the program was limited to firefighters from rural volunteer departments that served a population of less than 10,000 residents. Effective in January, we're now able to have firefighters from larger jurisdictions in the classes for a fee. We can also accommodate some private wildland firefighters in upcoming classes. Visit the Wildland Fire Fighting page under the "programs" button on the IFSI homepage for a full list of available courses. Tom Richter, IFSI's Wildland Program Manager, has more information about recent happenings within the program, and can be reached at [trichter@illinois.edu](mailto:trichter@illinois.edu).

**Testing procedures changed 7/1/2011.** We experienced a few issues when we rolled out our new exams and procedures last July, but the testing staff has been working diligently to address concerns from students. With each exam is the opportunity to offer your feedback about the process or a specific test question. Please use those forms or contact the Curriculum and Testing Office with your concerns at [Jgriest@illinois.edu](mailto:Jgriest@illinois.edu).

**Attendance Reminder.** In order to sit for an IFSI end-of-course exam that leads to certification, a student must either ATTEND or MAKE-UP all course hours and material. In other words, no portion of the class can be neglected before a student can sit for an exam. Emergency situations can be resolved with the Program Manager, but in most cases students will

be barred from taking the end-of-course written exam if s/he has not attended the entire class, or has not made up any missing portions of class. Contact me at [brbrauer@illinois.edu](mailto:brbrauer@illinois.edu) with any questions.

**Kurt Glosser was promoted** to lead IFSI's Curriculum and Testing Team with a move from Assistant Fire Service Education Specialist to the Associate level. Kurt joined IFSI as the first full-time staff member to focus on curriculum support in 2005, and has transformed the position from a collection of binders with handouts to a crucial element of all IFSI programs. Congratulations, Kurt! Working with Kurt are Josh Zimmerman and Jason Griest, responsible for curriculum development and testing management, respectively. Kurt's email is [kglosser@illinois.edu](mailto:kglosser@illinois.edu), and Josh can be reached at [jzimm@illinois.edu](mailto:jzimm@illinois.edu).

**Did you know... that taking a course through IFSI can earn you multiple types of credit?** Many of the courses that IFSI offers for Office of the State Fire Marshal Certification can also earn you college credit, meet ITTF, DHS, or OSHA training requirements, earn EMS CEUs, or have been accredited by the National Board on Fire Service Professional Qualifications ([www.theproboard.org](http://www.theproboard.org)). If you have questions about what credit a course qualifies for, visit the course description on the IFSI website. Please contact Brian Brauer at [brbrauer@illinois.edu](mailto:brbrauer@illinois.edu) with additional questions about these additional course completion qualifications.

***Important Fire College Dates:***  
***May 21: Last day to cancel without penalty***  
***May 28: Last day to advance register***  
***June 3: Onsite registration and check in***

# Fire Fighting Programs

Brad Bone  
Fire Fighting  
Program  
Director

Jack Rutledge  
Field Staff  
Instructor  
Contributing  
Author

As the spring burn season approaches, the Fire Service Institute staff is already making preparations for the 88<sup>th</sup> Annual Fire College to be held June 7-10. Details related to registration, course selection and parking are available. While you contemplate whether to attend or to send your firefighters, I hope you can take a minute to read on. Fire College is the only time of year that many departments have access to live-fire scenario-based training and I hope the information below will help you to understand why that opportunity is so important.

While the primary goal of firefighter training is to teach firefighters the cognitive and kinesthetic skills they will need to function on the fire ground, a secondary goal is to reduce stress during skill performance on the emergency scene. The presence of anxiety during skill performance can result in cognitive inhibition or the inability to think and make decisions. The more a trainee is required to repeat a skill, the more proficient s/he will be at the skill. Phased training or gradually increasing the complexity of a task or set of tasks, reinforces the hands-on skill performance by gradually adding in stressors. For example; first teach them to climb a ladder, next have them climb with tools, next have them climb with tools and SCBA, and last have them climb with tools, SCBA during a live-fire scenario.

Research shows that scenario-based training in live-fire settings reduces stress and anxiety on the job for high *reliability occupations* (such as fire fighting). However, there are some key points that trainers must keep in mind when setting up scenarios:

1. High-reliability occupations, such as fire fighting, require personnel to operate in stressful situations involving a complex environment, high degree of uncertainty and time pressure, and severe consequences for mistakes. These conditions often lead to a high degree of stress.
2. In an attempt to reduce stress, training for high-reliability occupations often involves phased training exposure to high-fidelity, high-stress simulations in the last phase. In some domains practical constraints limit this exposure to repetitions of the same scenario.

3. Repeated exposure to the same scenario late in phased training decreases stress and cognitive difficulties reported on future exposure to the same scenario. However, the effect does not generalize to new scenarios (i.e. positive transfer does not occur).
4. It may be valuable to reconsider the worth of teaching people to generate and evaluate a variety of options if they are going to be placed in situations where this will be counterproductive.

## Summary

In summary, my take on the research told me that scenario-based live-fire training has an important place in the fire service. It **should be** part of a phased training program that allows trainees to gradually refine skills until they are ready to perform them in realistic high stress scenarios. For this training to be successful, trainers must take care to modify scenarios. Too much exposure to the same scenarios will reduce the positive transfer experienced. Access to a variety of locations may limit the trainer's ability to develop multiple scenarios. However, trainers can use the same location/facility repeatedly with success by gradually increasing the complexity of a scenario during phased training.

Providing too many options to students may not be productive. This is especially true with command officers and decision making. In a study of decision making, researchers followed 26 experienced Fire Ground Commanders and interviewed them following working incidents. When asked if they had considered other options when making decisions, most said "no." Participants related that their situational awareness and experience provided them with the most logical course of action right away. They also stated that they did not at any time feel like they were making decisions. Similarly, the firefighter will benefit from training and experience. The question is, where and how will they get that experience?

For many departments, the ability to provide live-fire scenario-based training is becoming more and more difficult. Access to acquired structures, budgets and the amount of resources needed to conduct live

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# *Jaehne Recognized by University of Illinois*

Richard Jaehne, Director for the Illinois Fire Service Institute (IFSI) has been recognized by the University of Illinois for his work in public engagement. Jaehne received the Campus Award for Excellence in Public Engagement (CAEPE) award during a reception on the Urbana campus March 13. The CAEPE award recognizes those faculty members, academic professionals and students who engage the public to address critical societal issues. Jaehne was among four who received the recognition this year.

“This award, while it has my name on it, really belongs to those within the Fire Service Institute. I learned long ago that Leaders receive awards for the achievements of those within the organization, and for the challenges and opportunities that the people we serve entrust us with, this has never been more true than at IFSI,” Jaehne said. “When I came here in 1997, my vision was to serve the training needs of every fire department in the state. We are well on our way to accomplishing this. We have also become an integral part of the Illinois Terrorism Task Force and to helping make Illinois a model for preparedness training, post 9/11/2001.”

Since Jaehne joined IFSI, the number of student enrollments and public contacts has increased more than 200 percent, from

16,840 students in 1998 to 52,379 in FY 2010. He has also led initiatives to engage University departments for research, and engagement with several organizations in China and India. Under Jaehne's leadership, the Learning Resource and Research Center was dedicated to bring the Institute's library and research efforts under one roof.



*IFSI Director Richard Jaehne with University of Illinois Chancellor Phyllis Wise.*



**Spring 2012 Basic Firefighter Operations Academy.** Scott Ketner (left) received the Clark/Rutledge Award, given to honor the candidate who demonstrates excellence in firemanship. Ketner will serve on the Galesburg Fire Department. Craig Kemper (right) received the Howard “Doc” Eskridge Academic Excellence Award, which is given to the cadet with the highest grade point average during Academy. He will serve on the Edwardsville Fire Department. Below candidates get ready for graduation.



# From the Field: Cornerstone Reports

## Northeast Region

Randy  
Schlichter  
Cornerstone  
Northeast  
Region

### **Greetings from the land up north.**

As a result of a recent Cornerstone region realignment, DeKalb County has been added to the Northeast Cornerstone region. I have already started contacting DeKalb county departments and look forward to meeting everyone.

Watch for my monthly regional training activities mass email flyer. This is a training notification for firefighters and fire departments listing departments that are

hosting no-cost training in Lake, McHenry, Boone, Winnebago and DeKalb counties. Please ask your training officer to post the flyer on your department training bulletin board.

If you are not receiving the flyer and would like to be placed on the email list, drop me a line at [schlicht@illinois.edu](mailto:schlicht@illinois.edu).

Please get your requests for training in early as it takes 30 days to process and schedule the classes.

As a reminder, the Northeast Region has a Regional Training Center at the Cherry Valley Fire Department in Rockford. The Cherry Valley RTC hosts four "Light & Fights" per year. The "Light & Fights" are weekend live-fire classes and an excellent opportunity for students to get live fire experience.

The remaining "Light & Fight" date is May 5.

To register call Sue at the Cherry Valley Fire Department at 815-322-5382.

If you have questions on anything for the Northeast Region, do not hesitate to contact me at [schlicht@illinois.edu](mailto:schlicht@illinois.edu).



*Attendees from the Illinois Association of Fire Protection Districts Trustee meeting in Cherry Valley in late March were able to personally witness firefighter training in the field at this Light & Fight.*

**Fire Fighting Programs**  
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-burn training can make this type of training prohibitive to small departments. Fire College is an excellent opportunity to experience live-fire scenario-based training at a reasonable cost. The four day weekend is set up to provide phased training to firefighters of all levels of experience. Included are topics related to modern challenges in a classroom setting to hands-on training with and without live fire. It is my sincere hope that you can take advantage of the opportunity to train with us in June. Keep training and stay safe.

Referenced Articles:  
Klein Associates. *Rapid Decision Making on the Fire Ground: The Original Study Plus a Postscript*. Journal of Cognitive Engineering and Decision Making, Volume 4, Number 3, Fall 2010.

Baumann, Gohm, Bonner. *Phased Training for High-Reliability Occupations: Live-Fire Exercises for Civilian Firefighters*. Human Factors: The Journal of the Human Factors and Ergonomic Society 2011 53:548.00

# From the Field: Cornerstone Reports

## Keep Goin' South

I just want to take this opportunity to wish Les Albert "all the best in the world." As in the past, Les will continue his outstanding fire service career with OSFM as Deputy Director. Les will be greatly missed by IFSI Staff, Fire Departments in the Southern Region and students of his many classes. It was my privilege to work under his supervision and learn from Les for several years.

As I am writing this article, I am thinking "Boy, do I have a lot to do." Since taking over the Southern Illinois Cornerstone Region in mid-November, I have been very busy. I am the new kid on the block and I'm getting acquainted with fire departments in the south.

Training is in full swing in the southern part of the state with Cornerstone classes filling our schedules. At the time of this writing there are many classes scheduled from Metropolis north to Salem and Sauget east to McCleansboro. If you are not receiving "Southern IL Training Opportunities" updates please email me at wtbragg@illinois.edu. Also, please check the IFSI web site for classes already scheduled in your area that will fill your training needs.

## Southern Region

If there is a training class/program that your department needs, please submit an IFSI Request for Training as soon as you can as dates and instructors are being committed quickly. Remember to invite your mutual aid companies to train with you to maximize safety and procedural concerns.

We are hoping to put together a full series of Fire Officer I and Fire Officer II classes this year in the Southern Illinois Region. This is a very important program for Fire Officers. Many people from several different local fire departments and IFSI staff are working hard to make this happen.

A Southern Region Field Staff Instructors meeting has been concluded by now. IFSI instructors have been updated on changes, future goals and had the opportunity to network with other IFSI instructors. A great deal of pertinent information was discussed and available to those attending.

I am looking forward to meeting and working with you in the near future.

*Tim Bragg  
Cornerstone  
Southern  
Region*

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## Cornerstone Regions

# *From the Field: Cornerstone Reports*

## **Southwest Region**

*John Nichols  
Southwest  
Regional  
Representative*

Hello Everyone. I hope you all enjoyed the mild winter so far this year. Things have been a little slow in the Southwest Region this winter. But since the middle of January the requests for training have really picked up. Since the beginning of the fiscal year there are about 56 classes on the schedule at 30 departments.

There is still time to get your request in for this fiscal year. But do remember it takes at least 30 days to process a request.

Some of the highlights for the year were the NFA class held in Troy, the acquired structure burns, and the live-fire training at Madison and QEM training tower.

Looking ahead is the weekend of May 19 and May 20 when we are having Aerial

Operations class held in two different areas of the Southwest Region. Also Troy has agreed to host another NFA class next winter.

If you would like to get on my email list for monthly updates on training for this area just email your information to me and you will be added to the list. I can be reached at [jocfd201@illinois.edu](mailto:jocfd201@illinois.edu).

If any department wants to host a Cornerstone class and needs help or has any questions about any of the classes offered in Cornerstone do not hesitate to call.

That's all for now from the Southwest Region and let's have a safe summer with lots of training.

## **Chicago Metro Region**

*Rich Stack  
Chicago Metro  
Regional  
Representative*

The Chicago Metro Area is made up of six counties Cook, DuPage, Grundy, Kane, Kendall and Will. This means that there are 307 fire departments with different needs and requests. The Cornerstone Program fiscal year is July 1 to June 30. So if you have a request, the earlier in the fiscal year you put in the request, the better. Because once May and June come around, the funding for the year has been depleted.

The big requests for Cornerstone are FSVO, Leadership Principles for the Fire Officer, New Car Technology, Building Construction, and Basic Engine or Truck Operations. But as more and more fire departments find themselves with the need to get "Back to the Basics," the demand and requests will grow. There were more than 62 Cornerstone classes given in the

Chicago Metro Area in the 2011 fiscal year with more requests coming every day.

To find out more about the Cornerstone classes go to IFSI's web site go to Programs and then go to Cornerstone. There you can find contact info for your representative and all the paperwork to request a class. But if you are really interested in hosting a class, contact me and we will get together. Like I said there are over 307 fire departments in the Chicago Metro Area and I plan to visit and talk to all 307 departments. So if I have not been your way yet please email me at [rstack@illinois.edu](mailto:rstack@illinois.edu) so we can plan a class in your area.

**Thanks for your service and please stay safe so everyone goes home!**

# *From the Field: Cornerstone Reports*

## **East Central Region**

As I have visited numerous MABAS Division and Chief's Association meetings throughout the East Central Region recently, I have received numerous requests for training spanning a vast range of Cornerstone topics. This spring and summer will find IFSI instructors in many of the region's counties teaching subjects from Fire Service Essentials to Rapid Intervention & Fire Fighter Rescue and Survival Techniques. With the recent changes in the Office of the Illinois State Fire Marshal's Certification program to *Certified Basic Fire Fighter Operations*, requests for Technical Rescue Awareness and Fire Service Vehicle Operator classes have become more frequent. The following Cornerstone classes are being offered in the counties noted.

*Champaign* – Basic Pump, Rural Engine, D&D Hydraulics, FSVO, Ventilation, Overhaul, Light & Fight

*Clark* – Essentials I, Essential II (pending), Firefighter Rescue and Survival Techniques (pending)

*Crawford* – Light & Fight

*DeWitt* – Grain Bin Rescue

*Douglas* – SCBA, Basic Auto Extrication

*Edgar* – Grain Bin Rescue (pending)

*Effingham* – Building Construction, Light & Fight, FSVO, TRA, Acquired Structure Burn, Light & Fight

*Ford* – Essentials I

*Iroquois* – Acquired Structure Burn, Grain Bin Rescue

*Kankakee* – RIT- Fire Fighter Rescue and Survival, Wildland Fire Fighting, TRA, and FSVO

*Livingston* – Fire Origin and Cause  
*McLean* – Tech. Rescue Awareness, New Car Technology, Light & Fight  
*Moultrie* – Acquired Structure Burn,  
*Piatt* – Grain Bin Rescue, Agricultural Rescue  
*Vermilion* – Fire Origin and Cause, Grain Bin Rescue, Agricultural Rescue

*Greg Fisher*  
*East Central*  
*Regional*  
*Representative*

Take a look at the website and sign up online as soon as possible. Note: Registration online is unavailable (typically) ten days before a class starts; however, faxing the IFSI Enrollment form is possible after that.

In addition to Cornerstone classes offered at no charge, classes requiring only a commitment of time and funding from other sources include National Fire Academy Strategy and Tactics for Initial Company Operations, Liquefied Petroleum Gas Fire Fighting, Wildland Fire Fighting, Ethanol Awareness, and Oil Well Fire Fighting.

This coming spring and summer will bring about more Acquired Structure Burn opportunities than I've seen since the 1980s. Rantoul Fire Department is hosting a number of live-burn classes for members of MABAS Division 28 and the Champaign County Chief's Association. Priority for these burns will be members of the organizations mentioned; however, RFD has been gracious enough to offer some opportunities for other Divisions as well. Please contact me at [gafisher@illinois.edu](mailto:gafisher@illinois.edu) if there is an interest in participating.

***The Request for Training forms for Cornerstone Classes are found on the IFSI web site under the Cornerstone Program.***

# From the Campus: Program Reports

Joe Drennan  
Vehicle/  
Machinery  
Rescue  
Program

## Vehicle/Machinery

With summer fast approaching, and more vehicles being on the road, motor vehicle accidents are going to increase. There are a number of ways to get more prepared for this increased traffic.

First, one resource we rarely think about to assist us is the towing industry. Think about the types of vehicles they have – the standard tow truck, flat bed, medium and heavy wreckers. These assets can be valuable in assisting with stabilization and providing stable platforms (flatbed tow truck) for personnel to safely work off of, especially when vehicles are off road, on their sides, upside down or on another car or obstacle. Get in touch with the towing companies within your jurisdictions and see what they have and how they can assist you at the scene of an accident.

Second, protecting our personnel at motor vehicle accidents is of major

concern. Presently, NFPA is developing a standard to protect emergency response personnel at the scene. The Illinois Department of Transportation (IDOT) has developed an excellent course in Highway Incident Management Safety. If you would like to receive more information about this course contact Geno Koehler, Policy and Safety Manager, Illinois Department of Transportation at 217-782-7328 or by email at [Geno.Koehler@illinois.gov](mailto:Geno.Koehler@illinois.gov). IFSI is presently working with IDOT to get their online version put into our extended learning program. Once completed Regional Reps will notify departments within their region on how to access the course and complete online.

Last, IFSI hosted the NFPA Electric Vehicle Safety for Emergency Responders in January. We have incorporated information from this course into our New Car Construction and Technology course.

As always be careful, safe and have a great day.

Dave Newcomb  
Ag Rescue  
Program  
Manager

## Agricultural Rescue

Greetings brothers and sisters: I first want to thank all of the organizations that sponsored classes in 2011; it was a very successful year. In years past you have heard me say that we needed a new roll-over tractor for the Ag Rescue program. Well, thanks to Curt Niemeyer and Norm Clausen, we have received two tractors for the program.

Another organization that supports the Fire Service Institute is the Illinois Chemical and Fertilizer Association. They donated MSDS books for us to distribute to fire departments around the state as a part of our classes. They were also instrumental in locating a 1000-gallon anhydrous tank for our anhydrous program. Thanks to Jean and Kevin for your continued support. Larry Sosaman donated the tank and made modifications so that the components of the tank are visible for the students.

The Illinois Farm Bureau is continuing to partner with the institute by advertising and promoting classes in the farming community. Many county Farm Bureaus have purchased equipment for local fire departments. Twice a year we are fortunate to be on FRD Radio, which is another way we can spread safety messages to the people of Illinois.

Brock Grain Bins is another supporter of IFSI. In years past, they have donated the bin in which we do the entrapment training. They also donated the metal panels that we use in the prop to demonstrate cutting the bin. Thanks to Mark Dingledein and the staff at Brock.

As you can see we have been blessed this year. Without the support of these organizations the Ag program would not be what it is today. Let us not forget that spring tillage and planting is here. Stay safe and I look forward to seeing you as we travel around the state.

# From the Campus: Program Reports

I've received many contacts this past year regarding "Fire Inspector" and "Fire Prevention Officer" classes. Well the news is somewhat complicated, so here goes.

The "old" Fire Prevention Officer (FPO) program was a single 120-hour class that earned a student a certification as "Fire Prevention Officer" through the Office of the State Fire Marshal. Actually the "old-old" FPO class was a 240 undertaking but that issue only serves to further complicate this story. The 120 class badly needed updating, so in 2007 the Ad Hoc Committee for Fire Prevention, in conjunction with OSFM, began a review process. The committee was pursuing a restructure of the FPO program to resemble the structure of the Fire Officer program that required a series of component classes to earn certification. The first class the committee designed was "Fire Inspector I." It was the first step towards the recommended FPO certification and earned a certification of "Fire Inspector 1." Several "Fire Inspector 1" pilot classes were delivered in the state and the process was on the way. The committee also designed a "Fire Inspector 2" class that was the first step to a "Fire Prevention Officer II" certification. IFSI

## Investigation

actually conducted a "Fire Inspector 2" pilot class. It was during this time in 2011 that, at the request of OSFM, the entire revision came to a halt. The Illinois Fire Advisory Committee for the State Fire Marshal had begun a complete revision of the Ad Hoc Committees in order to update and improve the entire process. Old Ad Hoc Committees typically designed, wrote and recommended various classes to OSFM. In recent years, quality material has been published by a variety of sources that design curricula to nationally-recognized standards. The new committees are called State Certification Advisory Committees (SCAC) and their work now focuses on reviewing published material to determine if it will support Illinois fire service education and training needs. So...long story short...a new SCAC was put into action to pick up the task of completing the "Fire Prevention Officer" program and the associated classes. Work is progressing and the committee hopes to have additional information available sometime this summer.

*Eddie Bain  
Fire Investigation  
Fire Prevention  
Program Director  
and Winter  
Fire School  
Director*



*Dave Newcomb, Ag Rescue Program Manager demonstrated the importance of grain bin safety at the annual Illinois Farm Bureau Governmental Affairs Leadership Conference in Springfield in late February.*

# From the Campus: Program Reports

Joe Gasparich  
National  
Incident  
Management  
System (NIMS)  
Program  
Director

## Homeland Security

### **The Electronic World and YOU**

I distinctly remember preparing for a training class several years ago and the cadre of instructors was upset because the files for the class were not on the computer that we were using (we weren't that far out of the slide carousel world - mind you). One of the group stated, "I'll have someone at the office just attach the files to an email and send them to us." Now for those of us who weren't quite ready for this quantum leap, it sounded crazy but it worked. How many people routinely do this today or use their own personal "cloud" to accomplish the same task?

My point is that some of the group were ahead of the digital "curve" and some of us, like me, were behind it. That doesn't work in the emergency response business today – we have to be ready to embrace new technologies as in many instances it will make our jobs easier and it will help us to do our jobs better.

In a recent ice storm event in Central Illinois, the local response agencies actively used Facebook to get information out to the citizens. The thing that was most interesting is

that we actually gained information about what was happening on the roadways from people who had friends who were traveling in the affected areas. I guess if you have been sitting still on an interstate for 30 minutes – you can't expect everyone to turn off their cell phones and personal communication devices. It's not like they were moving!

Many responders that have been in our classes recently have commented on their departments miraculously appearing on YOUTUBE because of bystanders with smart-phones that have documented their actions. There is new technology that actually ties videos and voice to GPS locations. It is really becoming a transparent world.

My point in all this is that departments should prepare for the inevitable. If you are a chief officer – I'll bet you a soda that the new "kids" that recently joined your department are more tech savvy than you are. That's not a disadvantage CHIEF, use their skills to help you. Get their input about department policies on the use of new technology. Let them help you promote your department in the digital world. They might even help you to locate software that is useful in training.

And remember – literally – the world is watching!

Lew Lake  
Officer  
Program  
Director

## Officer Program

There are many great opportunities coming up this year in our Officer program. Classes are filling up quickly, so please sign up for the Fire Officer I and Fire Officer II series at any of the locations statewide. This spring the Chicago Metro classes are being hosted by our friends at the Lockport Fire Department along with many classes held at the Fire Service Institute in Champaign. There are also some offerings in Normal at Heartland Community College, as well as down in Williamson County.

Fireground Company/Command Officer School will occur twice this spring to help lower the waiting list number of students eager to participate in this program. Class starts April 30 with a second class beginning May 21. Take an opportunity to challenge

yourself and sign up for Fireground Officer School. It may be the best experience to help you excel as a street smart officer and Incident Commander.

Take a look at the website for the many NFA classes that are taking place statewide. These classes offer everything from Leadership to Safety Officer to All Hazards.

Congratulations to Commissioner Bob Hoff of the Chicago Fire Department for tremendous career. Chief Hoff has impacted hundreds, if not thousands, of officers that have come through our programs over his many years of mentoring and leading. Teaching all of us the importance of the "Roll Call" and maintaining a state of readiness: impressing upon us never to lose sight of an officers core values and priorities – Firefighters, Fire Apparatus, the Firehouse.

Thank you Chief.

# From the Campus: Program Reports

During the spring of 2012, the Illinois Fire Service Institute Research Program will be collecting data for two separate studies in which we will be looking to recruit up to 30 firefighters for each. In support of our Department of Homeland Security (DHS) sponsored research project on Firefighter Escape Rope Systems, we will plan to measure the effort required to payout rope from several commercially available escape systems. A controlled laboratory study has shown that certain escape systems may require significant effort to operate while crawling under the smoke layer in order to reach a window. If a firefighter anchors the system inside the room, the 10 to 20 feet of crawling against this force can cause significant fatigue and difficulty in deploying the system. For this study, we will ask firefighters to crawl through a 20 foot tunnel with and without the escape systems to determine the additional time necessary to move across a room as well as measure the maximum force and total work required during the payout scenario.

We will also begin recruiting for our most recent DHS grant to study slips, trips and falls in the Fire Service, with a focus on the effects of self contained breathing apparatus (SCBA) design and fatigue from

## Research

fire fighting activities. For this study, we will ask firefighters to navigate an obstacle course that will require moving over, under and through various obstacles before and immediately after a 16-minute bout of fire fighting activities. The differences in time and errors encountered before and after fire fighting will allow determination of the effects of fatigue generated by these activities. These scenarios will be repeated multiple times with different SCBA cylinder volumes (30-minute, 45 minute, and 60-minute), various SCBA design (traditional and some prototype systems), as well as the effect of extended duration activities (multiple 30-minute cylinders versus longer activity with a 45-minute cylinder)

Each study has some limitations on participation, which we would be happy to discuss on the phone or in person, but they are both available to male and female firefighters between the ages of 18 and 60. If you are interested, please get in touch with the Research Program either by e-mail ([ghorn@illinois.edu](mailto:ghorn@illinois.edu)) or phone 217-265-6563.

Gavin Horn  
Research  
Program  
Manager



*Here's an opportunity to  
invest in the  
Learning Resource and  
Research Center*

**Simply visit the IFSI web site, click on the IFSI Memorial Plaza Paving Bricks link under Quick Links at the bottom of the home page. Information is also available from Harry Clore at [hclore@illinois.edu](mailto:hclore@illinois.edu)**

## **Upcoming Officer Classes**

**Fireground Company Officer School**; 40 hours; week of November 14, Champaign; Tuition: \$675  
limited seats available

**Tactics and Strategy II**; 40 hours; week of November 28, Geneva; Tuition: \$250 limited seats available

**Management I**, 40 hours; week of December 5, Champaign; Tuition: \$250

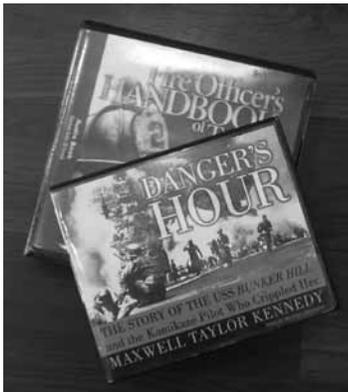
**Management III**, 40 hours; week of December 5, Geneva; Tuition: \$250

# Library Updates & Highlights

Dr. Lian Ruan  
Head Librarian

One of the most popular collections in the IFSI Library is the audiobook collection. Library users who spend extensive time in their vehicles can take advantage of audiobooks to study or to just enjoy a good “read” as they drive. To find any of dozens of audiobook titles available through the IFSI Library’s online catalog (<http://www.fsi.illinois.edu/content/library/search/>), type “audio” in the “Any Keyword” field and choose “Compact Disc” as the format. Some popular titles in this collection include:

- *Band of Brothers: E Company, 506<sup>th</sup> Regiment, 101<sup>st</sup> Airborne from Normandy to Hitler’s Eagle’s Nest*
- *The Big Burn: Teddy Roosevelt and the Fire that Saved America*
- *Fire Officer’s Handbook of Tactics*
- *Fire Season: Field Notes from a Wilderness Lookout*
- *From Buddy to Boss: Effective Fire Service Leadership*
- *Good to Great*
- *In the Garden of Beasts: Love, Terror, and an American Family in Hitler’s Berlin*
- *Lone Survivor: The Eyewitness Account of Operation Redwing and the Lost Heroes of SEAL Team 10*
- *Mastering the Fire Service Assessment Center*



- *On China* by Henry Kissinger
- *Outliers: The Story of Success*
- *Report from Engine Co. 82*
- *Report from Ground Zero*
- *Steve Jobs*
- *Sway: The Irresistible Pull of Irrational Behavior*
- *Unbroken: a World War II Airman’s Story of Survival, Resilience, and Redemption*
- *Young Men & Fire*

Audiobooks may be borrowed in person at the IFSI Library or sent via interlibrary loan to a patron’s local public library. To

borrow one of these items or other materials from the IFSI Library, please contact the library at (800) 437-5819, (217) 333-8925, or [fsi@library.illinois.edu](mailto:fsi@library.illinois.edu).

The IFSI Library recently worked with the University of Illinois Library and the University of Chicago Library to digitize a key piece of IFSI history. The *Proceedings of the First Short Course on Fire Prevention, Control and Extinguishment* (1925) represents the written record of the first event that would become the Illinois Fire College. Until recently, the IFSI Library did not have access to a complete copy of this document. After an extensive search, the library was able to locate a complete copy at the University of Chicago Library.

Through cooperation with staff at the Digital Content Creation Department at the University of Illinois Library, the Illinois Digital Environment for Access to Learning and Scholarship (IDEALS), and the University of Chicago Library, the IFSI Library now has a complete digital copy of this important work. The *Proceedings of the First Short Course on Fire Prevention, Control and Extinguishment* can be viewed in its entirety at the Internet Archive website at: <http://www.archive.org/details/proceedingsoffir00univ>.

In November, the IFSI Library also created and displayed a memorial to longtime fire service advocate Hal Bruno in the Firefighter Memorial Hall of the LRRC. Bruno died November 8, 2011, at the age of 83. He was Chairman Emeritus of the National Fallen Firefighters Foundation, a firefighter and a nationally-known journalist. A member of the fire service for over 60 years and a Chicago native, Bruno was one of the first journalists on the scene of the Our Lady of the Angels School Fire in Chicago on December 1, 1958 where 92 students and three nuns died. Bruno’s report on the causes of the fire led to significant changes in fire safety and building standards and codes.

# *IFSI International Program*

During her November 2011 trip, Lian Ruan met library directors and partners in Beijing, Dalian, Nanjing, Suzhou, Shenzhen, Hong Kong, Ningbo, and Shanghai to promote IFSI international programs on library and information science and on fire and emergency management. Ruan delivered a speech on “Leadership in Library Management” at the East China Normal University Library, Shanghai. In January 2012, a delegation led by Vice President Chengyu Que visited IFSI and the College of Business at the University of Illinois.

In early February, Director Richard Jaehne, Program Director Raymond Palczynski, and Lian Ruan attended the Fire Asia 2012 Conference (<http://www.fireasia2012.org>), hosted by the Hong Kong Fire Services Department. The conference theme was “New Horizons for a Safer Society.” Among speakers and attendees from Hong Kong and other countries, Director Jaehne presented a key note speech titled, “Leadership and Training for Special Operations Response to Multi-Hazard Disasters.”

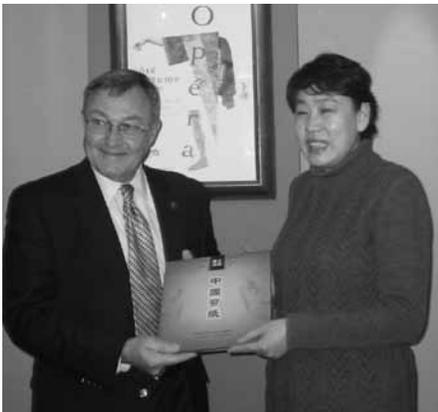
*Dr. Lian Ruan  
International  
Program  
Director*



*Director Jaehne delivers the keynote speech at Fire Asia 2012.*



*Ray Palczynski and Lian Ruan visited the HazMat training center at Sheung Wan Fire Station of the Hong Kong Fire Services Department. During their visit, they took a look at the training equipment and had discussions with their HazMat officers.*



*On February 11, Jaehne, Palczynski and Ruan visited Guangdong Fire Protection Association in Guangzhou and met Secretary General Xiaoning Gui.*

# From the Campus: Program Reports

Rich Valenta  
E-Learning  
Program  
Director

## Online Classes

### **Just the Right Blend**

With the economic demands that have been placed on the Illinois Fire Service, IFSI is always looking at how we can deliver quality training with the least amount of impact on our students and departments. Economics are not the only limiting factor for fire departments and students when trying to further their fire training. With our fast paced lifestyles, time available to attend training, either locally or at the IFSI training campus is becoming more limited.

This is where Distance Learning is becoming a viable alternative to the traditional classroom course delivery. Our challenge is creating courses with “Just the Right Blend” of online instructional delivery while not sacrificing the “hands on” component that is so important. Online blended learning has become an increasingly popular format for delivering courses.

The most recent example of IFSI’s Blended Distance Learning Programs is Fire Apparatus Engineer Online (FAE). This course has gone through several evolutions since its inception 18 months ago. When we piloted the course, we provided 13 weeks of instruction followed with a two-day practical weekend. This format reduced the time spent at the IFSI campus by six days.

This helped us dramatically reduce the total course cost for students and departments by eliminating lodging, travel expenses, and by reducing the amount of staff to deliver the course. We achieved a primary goal: reduce economic and time impact. A review of course evaluations from our pilot students and the course instructors revealed that while the course provided

good training, we needed a mechanism to insure pump operators completing the course had the necessary skills to perform the tasks required of the position. IFSI has had a long-standing practice that we will not sacrifice the quality of training, so we saw the need to modify the blend of the course, and to provide more hands-on time.

With the review of the pilot course in hand, a decision was made to create and add ten “Practical Practice Skills Sheets” where a student would mentor with a seasoned pump operator at their local fire department to become proficient in the skills of an apparatus operator. We continue to offer the course with 13 weeks online and the final weekend at the IFSI campus for the practical portion. The mentoring program met with great success. Students gained valuable experience operating their own department apparatus and showed increased proficiency when attending the practical day.

### **Finding the Right Blend**

After several deliveries of the course and after listening to our student CEQ feedback, we made one final change. Future delivery of the FAE Online course will continue to use the mentoring aspect. In addition, we changed the delivery to where the students will attend the first three weeks of the class online. Weeks four and eight will have a practical day at the IFSI campus. These days will be used for classroom review of hydraulic calculations along with hands on practical evolutions. Students will continue to complete online studies during the remaining weeks with a final two-day practical session at the IFSI campus. This two-day session includes the state examination and practical evaluation.

**So what is the overall benefit of this course?** We have been able to reduce the online tuition cost of the course in comparison to the traditional course tuition. With the addition of two practical days, we have increased the level of hands-on training while reducing the overall days on campus by five from the traditional course delivery. This is a substantial savings to the student and fire department. Finally, the most important benefit is that we have found a way to deliver training that meets the standards of IFSI, students and fire departments. Listening to the feedback of our students and instructors has allowed us to provide “Just the Right Blend” for online training.

**The most important benefit is that we have found a way to deliver training that meets the standards of IFSI, students and fire departments.**

# *Make the Most of the IFSI Website and the Student Resource Center: Website Primer*

**First-time login is for anyone who has previously registered to take a course at IFSI.**

- Your driver's license number is your login and password.
- A password change form will open.
- Complete this fully (password requirements: upper case, lower case, at least one number, and the password must be between 6 – 12 characters).

**Registering for access is for anyone who has never previously registered for an IFSI course OR the IFSI website.**

- Click on the word Register in the upper right hand corner of the Home Page.
- Complete this form fully.
- Upon completion of this information, you will receive an email.
- You will then log in using the first-time log in steps above.

**All other logins.**

- Enter your driver's license number.
- Select your issuing state.
- Enter your password.
- Click the login button to proceed into the Resource Center.
- At any point if you press Reset you will clear the data entered on the form.

**Student password reset.**

- Click the "Reset Password" text on the login page to go to the password reset page.
- On this page it will ask you for your driver's license number, the state you are licensed in and your date of birth. Input your driver's license number without any dashes or spaces, the state you are licensed in, and your date of birth in the format shown on the web page.
- Click submit to proceed.
- This will take you to a screen where you can enter a new password. Password requirements: upper case, lower case, at least one number, and the password must be between 6 – 12 characters).
- You will enter the new password on the first line.
- Confirm the new password on the second line.
- At this point if you have entered a valid password the "SUBMIT" button will become clickable.
- Click submit.
- If the submit button does not become available to click, make sure your new password meets all the requirements. (upper case, lower case, at least one number, and the password must be between 6 – 12 characters).
- This will take you to a page that says "Password updated successfully."
- Under that you will see there is a link to return to the IFSI login page. Click that link and use your driver's license as the username and your new updated password to log in.



***Be sure to look for us on Facebook  
under Illinois Fire Service Institute***

# IFSI honors its supporters.

## Titanium Level for five years of continuous support



**AEC and Holmatro.** Shown at the award presentation are: (L to R) Dennis Spice, IFSI Director of Corporate Relations; John Archer, President, AEC; Joe Drennan, IFSI Program Director of Vehicle/Machinery Rescue and Mark Nixon, AEC Sales Manager, Fire Apparatus.



**AMKUS.** Shown at the award presentation are: (L to R) Joe Drennan, IFSI Program Director of Vehicle/Machinery Rescue; Judy Weigand, Vice President, AMKUS; and Dennis Spice, IFSI Director of Corporate Relations.



**Illinois Propane Education Research Council (IPERC).** Shown accepting the award on behalf of Council is Mike Faivre, Chairman of IPERC along with Harry Clore, IFSI Director of Finance and Administration.



**EMC and Genesis Rescue Systems.** Shown at the left at the award presentation are: (L to R) Dennis Spice, IFSI Director of Corporate Relations; Joe Simon, EMC President and Joe Drennan, IFSI Program Director of Vehicle/Machinery Rescue.

## Gold Level



**Air One Equipment, Inc.** (L to R) Dennis Spice, IFSI Director of Corporate Relations; Sandra Frey, President, Air One; David Frey, Vice President, Air One; and Joe Drennan, IFSI Program Director of Vehicle/Machinery Rescue.



**Caterpillar, Inc.** Shown at the award presentation (L to R): Harry Clore, IFSI Director of Finance and Administration; Robin Smith, Caterpillar Security Risk & Analysis Service and Manager Global Security; Brian Lewallen, Caterpillar Global Director of Environment, Health & Safety; and Dennis Spice, IFSI Director of Corporate Relations.



**MSA.** Shown at the award presentation are: (L to R) Dennis Spice, IFSI Director of Corporate Relations, John Ricciardi, MSA Strategic Account Manager and Dr. Gavin Horn, IFSI Director of Research.



**Hurst.** Shown receiving the award at FDIC in Indianapolis (L to R) are: Kevin Halstead, Director of Rescue Sales; Larry Anderson, Training and Product Application Specialist; Richard Jaehne, Director of IFSI; Bill Simmons, Vice President and General Manager; and Bruce Johnston, Director of Marketing and Product Management.

**A complete current list of partners for the Illinois Fire Service Institute can be found at [www.fsi.illinois.edu](http://www.fsi.illinois.edu) and click on PARTNERS.**

## Gold Level



**Brock Grain Systems** Shown at the award presentation are: (L to R) Darren Zink, Brock Strategic Accounts Manager; Scott Thompson, Brock Sales Manager; Dave Newcomb, IFSI Ag Safety Program Manager; Mark Dingeldein, Brock Engineering Manager Grain Storage; Dennis Spice, IFSI Director of Corporate Relations; and Dan Wuthrich, Brock Specialist-Storage.



**FE Moran Fire Protection.** Shown at the award presentation are: (L to R) Brad Bone, IFSI Fire Fighting Program Director; Craig Arbuckle, FE Moran Inspector; John Bridgman, FE Moran Service Manager; Jeremy James, FE Moran Designer; and Jim Heinold, President FE Moran Fire Protection.



**Draeger Safety.** Brian Brauer, IFSI Associate Executive Director (left), is shown presenting the award at FDIC in Indianapolis to Ralf Drews, President and CEO of Draeger Safety.



**University of Illinois Employees Credit Union.** Shown at the award presentation (L to R): Mr. E.J. Donaghey, President and CEO of the Credit Union; Ms. Sharon Allen, Chairperson of the Credit Union Board of Directors; and, Mr. Dennis Spice, IFSI Director of Corporate Relations.



**FE Moran Alarm.** Shown (L to R) Harry Clore, IFSI Director of Finance and Administration; Dennis Spice, IFSI Director of Corporate Relations; Brett Bean, President, FE Moran Alarm; Mike Bunch, General Manager, FE Moran Alarm; Sean Campbell, Journeyman Technician FE Moran Alarm.



**Paratech.** Shown at the award presentation are: (L to R) Dennis Spice, IFSI Director of Corporate Relations; Hans Frank Normolle, Paratech Chief Sales Officer; and Harry Clore, IFSI Director of Finance and Administration.



**Akron Brass.** Shown receiving the award at FDIC in Indianapolis are: (L to R): Richard Singer, Vice President, North American Sales; Richard Jaehne, Director of IFSI; Thomas H. Hudak, President, Akron Brass and Kent Clasen, Sales Representative.



**Honeywell Life Safety.** Shown receiving the award at the St. Charles, Illinois System Sensor facility are: (L to R); Michael Schubert, Engineering R&D Technology Leader, Honeywell First Responder Products, Safety Services Group, Dayton, Ohio; Dennis Spice, IFSI Director of Corporate Relations; Isaac Papier, Vice President Industry Relations, St. Charles, Illinois; John Chetelat, Vice President, Operations Honeywell Fire Systems, Northford, Connecticut; Tom Potosnak, Vice President and General Manager US, System Sensors, St. Charles, Illinois.



**Motorola Foundation.** Shown receiving the award at the St. Charles, Illinois award presentation are: (L to R) Dennis Spice, IFSI Director of Corporate Relations; Cynthia L. Leighton, Motorola Director; Public Safety Markets; Matthew J. Blakely, Director Motorola Solutions Foundation; and Harry Clore, IFSI Director of Finance and Administration.



**Scott Safety.** Shown receiving the award at FDIC in Indianapolis is Mike Ryan, General Manager, Scott Safety (on left) from Dennis Spice, IFSI Director of Corporate Relations.

### Other Partners

Bill Smith Auto Parts, Tatman's Towing; Globe Manufacturing Company, LCC; GROWMARK; Illini Contractors Supply, Illinois Fertilizer and Chemical Association; Lemme Group; Midlands State Bank; WS Darley & Co.; Ajax Toois, Inc.; Flex-N-Gate; Illinois Farm Bureau; LKQ U-PULL-IT NORTH; Pekin Insurance; Streamlight; Bryant Industries, Commerce Bank; First State Bank; Hobbico; Liberty Rescue Systems, LLC; Niemeyer Repair Service, Inc.

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Mark your calendars, schedule the car washes, pancake breakfasts, spaghetti dinners or any of the other fundraising possibilities and get ready to come to the Illinois Fire Service Institute in Champaign, IL for the 10th Annual Explorer – Cadet “Hands On Training” (HOT) Live Fire School. As always, HOT Training starts at 1 pm on Thursday and continues through lunch time on Sunday. The very reasonable cost of \$350 for youth and \$275 for adults covers the training, all meals starting Thursday evening, dormitory lodging and a souvenir package that includes a commemorative t-shirt and certificate.

First-time participants begin with two days of Firefighting Core Competencies, so youth with little or no experience can still participate and be successful. The instruction staff is extremely helpful in mentoring firefighters of all ages. The remainder of their experience will be in live-fire scenarios in a controlled and safe scenario-based training experience. Past participating youth will begin their training with Coordinated Fire Ground Operations and finish with Engine Company Operations in a live fire and smoke environment. Evening classes include Auto Extrication or Vehicle Rescue Techniques and a new class room session called Fire Fighter, Fire Truck, Fire House.

As in the past, weather/heat index concerns may require postponing the afternoon activities to the evening. Should that occur participants will be encouraged to find cooler indoor activities until the evening. Although the training can be compared in terms of physical exertion to “two-a-day” football practice, the Illinois



## Explorer-Cadet Fire School June 28 - July 1, 2012 Champaign, Illinois

Fire Service Institute is dedicated to providing realistic “hands-on training.” The safety and well-being of the students is the greatest priority.

*Greg Fisher  
Explorer-Cadet  
Fire School  
Manager*

Due to recent national events all adult chaperones, volunteers and staff over the age of 18 need to document a law enforcement background check. Advisors with Learning for Life Organizations typically go through it annually. If your group is NOT affiliated with the national Learning For Life Program (Explorers & Venturers), contact with the regional office of the Boy Scouts of America regarding youth safety policies and documentation for adult leaders may be helpful.

For the folks who plan a year in advance, make a note for 2013 through 2015. The dates will change for those three years to the second to last weekend in June due to a three year commitment for the national Corvette show here in Champaign.

Be safe and we'll see you in June!

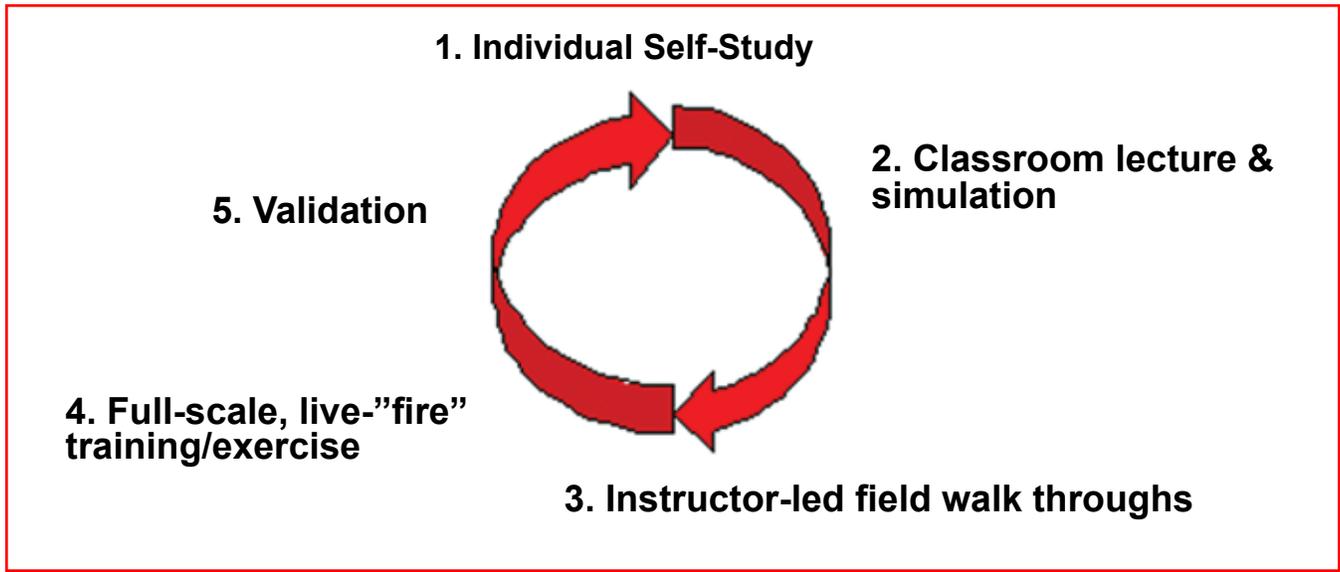
### **How to request a Cornerstone Class and where to find the CORNERSTONE REQUEST FOR TRAINING form.**

1. [www.fsi.illinois.edu](http://www.fsi.illinois.edu)
2. Click on COURSE INFORMATION (upper left on maroon bar)
3. Click on COURSE RELATED FORMS (4th bullet down under Courses)
4. Click on CORNERSTONE REQUEST FOR TRAINING
5. Print and fill out the form for each class requested and submit to your Regional Representative.



# How do you get more from IFSI courses?

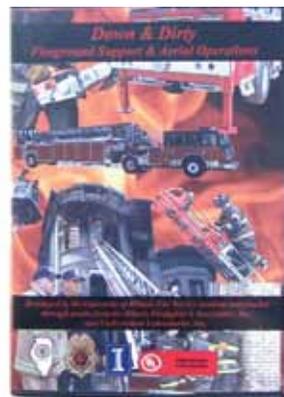
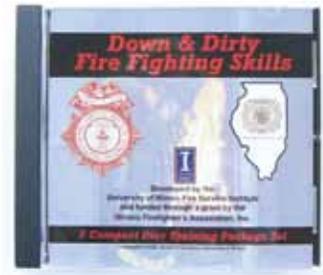
IFSI employs a 5-step training model that is based upon national best-practices. The first step is to use the many tools we have made available for you to do your own self-study ahead of the class and prepare yourself to get the most from the instructor-led training.



**Step 1 Pre-Class Self Study.** This is what you and your department can do ahead of a class to prepare for the class. Some of the pre-class materials available to you at little or no cost include:

**Review the Down and Dirty Training programs.** From a grant provided by the Illinois Firefighter's Association, IFSI has produced and distributed at no cost to each Illinois fire department and district a series of five CD/DVD training programs, which include how-to training videos and instructor guides. An updated version of the Basic Firefighter Skills CD, plus a new Fires on the Farm and Fire Attack DVDs will be released this year. If you cannot find your department copy you can download one from:

<http://fsi.illinois.edu/content/courses/programs/down%20and%20dirty/>



**IFSI Library.** The IFSI Library has an online card catalogue from which you can select from a wide variety of printed and electronic media-based training materials and have them delivered at no cost to you through your local state library branch. If you have a specific question or want a case study ahead of a class, our library research team is there to help.

**Online Courses.** IFSI has a dozen online courses that you can use to prepare for a course or use as a course. There are some costs for the courses, but they are available 24/7 when you can train and some qualify you to test for OSFM State Certification. For more info visit: <http://fsi.illinois.edu/content/distance%20learning/courses/>

**Step 2 Classroom Presentation, Discussion and Simulation.** This brings the instructor to you in an environment supportive of lecture and tabletop simulations. You will be introduced to new skills and ideas through an instructor-led process. This process will provide the opportunity for objective based discussion and practice thru tabletop exercises, reading smoke classes, NIST live burn study CDs or other simulations and is available through Cornerstone-funded classes.

**Step 3 Walk-through and Field Simulation.** In this step you go out to actual locations or the training field to conduct full-scale walk throughs with the instructor leading a discussion/demonstration of the concepts discussed in the classroom and simulated thru tabletop exercises. This step builds upon the instructor-led classroom/simulation but moves away from the traditional classroom lecture and tabletop exercises to the training ground. Building upon your abilities and confidence, the training environment adds the many influences of the real world response (team work, strategic, tactical or task level thinking, time restraints, physical limitations and "what if" scenarios). This step asks you to role-play fire ground decision making positions, while the instructor shadows and provides direct support to you. An example is walking through the steps of a first arriving engine at a working fire, the use of theatrical smoke to reduce visibility yet

maintaining the direct interaction between you and the instructor. Another example would be a vehicle stabilization technique under the direct supervision and direction of the instructor. These classes are available through Cornerstone-funded classes, at Fire College and as part of longer IFSI courses such as Smoke Divers, RIT Under Fire and First In Officer.

**Step 4 Live-Fire Training.** Now you are ready to take full advantage of a live-fire training exercise, whether in a burn building or acquired structure. You should be saying that "I am ready," if not - repeat steps 1, 2 and 3. The instructor(s) has/have told you what you need to know and do. The instructor has led you through a discussion of the theory of a live fire response and walked through simulations of a live-fire response, to include "what if" drills when all does not go as expected. You have developed a picture in your head of what the response should look like and practiced it without fire. You are confident and have demonstrated your ability to fight a fire, under close supervision and controlled training environments. Now you are ready to "burn," but not without the sustained watchful eyes and ears of the instructor. Live-fire training is inherently dangerous and must be done with respect for the real world risks and challenges it presents. You will be demonstrating and exercising structural firefighting and rescue techniques under real fire, heat and smoke conditions. Live-fire activities are available through Cornerstone Funded classes, at Fire College and as the exercise part of part of longer IFSI courses such as Smoke Divers, RIT Under Fire and First In Officer.

**Step 5 Validation.** This happens when the bell strikes and you are called to respond. It removes the instructor-led training environment. You will be observed by a third party - either a citizen-in-need at a real emergency or your Chief as he reviews a drill. You will be expected to perform at full speed under high risk conditions. An After-Action review should follow every validation event, real or drill. This review should identify what you and your department do well and identify weaknesses to plan for correction...leading back to Step 1.



**Illinois Fire Service Institute**  
11 Gerty Drive  
Champaign, IL 61820



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**88th Annual Fire College**  
June 7-10, 2012  
Champaign-Urbana, Illinois

New this year:  
**Five new classes**  
**Group class photo**  
**New student orientation**  
*See box on back cover*

Registration begins April 9.  
No early registrations.

University of Illinois  
Illinois Fire Service Institute

**Register now for the best value for hands-on training in the Midwest**

**Important Fire College Dates:**

**May 21: Last day to cancel without penalty**

**May 28: Last day to advance register**

**June 3: Onsite registration and check in.**

See page 5 for more information.

Parking information:

