



## *From the Director's Desk*

As the new director of IFSI, I want to take this opportunity to introduce myself and share a few thoughts. Before I do that I want to say congratulations to Director Jaehne on his 15 years of dedicated service to this Institute and the fire service. His leadership contributed immeasurably to the world-class reputation IFSI enjoys today.

I come to you and the Institute after more than 29 years of service in the USMC as an infantry officer. I recently (July) retired as a Colonel. I believe my experiences in leadership during peace and conflict, in preparing men and women for success in dangerous environments through safe and effective training and education (T&E), and in bringing others together for a common goal, will help me lead IFSI and serve the Illinois fire service. While not a firefighter, I have had a relationship with IFSI for six years as a guest instructor during the annual Fire College, co-teaching leadership with great firefighters like Chief John Norman (FDNY) and Chief Eddie Enright (CFD). It has been through those experiences that I have come to know what IFSI does. I have also come to admire and appreciate the dedication of IFSI instructors and Illinois firefighters from around the state. It was those modest insights that led me to want to be part of what IFSI does and to serve Illinois firefighters and first responders.

As you look to the future and I begin what I hope is a long tenure at IFSI and relationship with the fire service, I want to let you know my first priority will be to continue the IFSI principal mission of delivering high quality, affordable, standards-based, safe and effective, live hands-on training to firefighters on the IFSI grounds and in local departments across the state. This is

our primary mission and as your State Fire Academy it is my first priority. Additionally, I initially intend to focus on what I believe is an excellent way ahead laid out by the IFSI Vision 2020 process as it relates to incident management training for local/city government officials, a "cradle to grave" continuum of T&E for fire service officers, expanding and leveraging the contribution of applied research driven by the needs of and problems facing firefighters, and ensuring Illinois firefighters have the best training facilities in the nation and the world well into the 21st century.

As I listen, learn and get better at leading your state fire academy, it will be critical that I get your input and ideas. I intend to visit and meet with as many of you as possible at every opportunity. I welcome your thoughts, concerns, and ideas as we continue to make our fire service and this academy the envy of the country and the world.

Finally, despite nearly 30 years of living all over this country and the world, Illinois and the Midwest are familiar to me. I was born outside Chicago in Oak Park and I lived there for the first 13 years of my life. I have family in northern Illinois and Wisconsin, as does my wife. In a sense, my wife and I are coming home.

I look forward to working with all of you.

Thank you and Semper Fidelis.

Royal P. Mortenson  
Director

*Royal P. Mortenson*  
Director

---

Director  
Royal P. Mortenson

Deputy Director  
Roger Lunt

Associate Director  
John McCastland

Associate Director  
Brian R. Brauer

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.

Materials in this newsletter may be reproduced or republished provided credit is given to source and author.

The University of Illinois is an affirmative action, equal opportunity institution.



The most up-to-date schedule of classes can be found online at

**[www.fsi.illinois.edu](http://www.fsi.illinois.edu)**

## Table of Contents

|                                     |    |
|-------------------------------------|----|
| From the Director                   | 1  |
| News & Notes                        | 3  |
| Table Talk                          | 4  |
| Associate Director Update           | 5  |
| Fire Program Update                 | 6  |
| Pro-Board Accredited Classes        | 7  |
| From the Field: Cornerstone Reports | 8  |
| From the Campus: Program Reports    | 13 |
| International Program               | 18 |
| Library Updates                     | 19 |
| Online Program Report               | 20 |
| IFSI Website Primer                 | 21 |
| Corporate Programs                  | 22 |
| September China Trip                | 23 |
| Contacts                            | 24 |
| IFSI in China                       | 25 |
| More from IFSI courses              | 26 |

***Want your own copy of the IFSI newsletter?***

***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.***

Once in a while I'm asked "Why the focus on international partnerships?" and "Are we shorting the Illinois fire service because of these activities?" The second question is easily answered with a "no." The Fire Service Institute does not pursue international relations and partnerships with funding or time dedicated to the Illinois fire service.

This past July, I took my first international trip to the Peoples Republic of China as a representative of the University of Illinois Fire Service Institute. It was a personally rewarding experience that cannot be fully described here. However, I hope my words provide some insight into the initial question presented above.

We must never forget that IFSI is part of the University of Illinois. With this relationship we support the Illinois Strategic International Partnership Vision Statement: "We will advance the global standing of the University of Illinois as a preeminent public research university, by creating a truly 'transnational' institution, where innovative knowledge, research, education, faculty, and students move freely across borders—whether geopolitical, cultural, disciplinary, or academic."

The strategy is to leverage existing relationships when possible—and cultivate new relationships when necessary—with a small, highly select group of true peer institutions around the world to form institutional partnerships that are both broadly and deeply impactful—crossing departments, colleges, centers and institutes to inform and enhance all of our core mission activities: research, education, public service, and economic development.

Our support of University of Illinois international relationship goals is well recognized through IFSI international endeavors as well in the IFSI brief for the Vision 2020 process:

- Continue to expand our interdisciplinary cross-campus, national and international research collaborations to create the nation's premier Firefighter Life Safety Research Center.
- Continue to develop international partnerships for training and research on fire service-related subjects.

Lian Ruan, IFSI Director of International Programs, and I traveled to China on July 6. This trip was not the first or the last trip an IFSI representative will make to China. Associate Director Brauer and SOTP Director Palczynski traveled to China in September. I encourage you to visit our web site to view the international trips and visitors we have hosted at IFSI. As you do, it is important to understand that these documented international endeavors build partnerships of mutual benefit.

# News Notes

*Roger Lunt  
Deputy Director*

The July trip was distinctive for me because it was my first trip to China. The agenda was very full; supporting the goals listed above and carried out over lengthy business days.

**First business day, Dalian, China.** We had a meeting followed by lunch with Dalian Mayor and his staff, and Dalian Administrative College President. I signed an agreement that fosters collaborative relationships between the University of Illinois, on behalf of IFSI, and Dalian Administrative College (DAC). Either institution may offer to the other opportunities for activities and programs, such as teaching, research, exchange of faculty and students, and staff development. That evening we toured both the Dalian Administrative College campuses, as well as the construction site for their future Emergency Operation Center. This was followed by dinner with College President (Headmaster Wang) and his staff.

**Our second business day** took us to Dalian Changxing Island and the Xizhong Island Petrochemical Park. After receiving a brief on operations and developmental plans for the petrochemical park, we were provided a tour of the site. There was considerable conversation surrounding interest in our view of training opportunities specific to their facility. We had an opportunity to briefly outline our Hazardous Materials program and provide them the value of our 5-Step Learning Model.

Dalian Mayor WIAO, Shegfeng, requested that we fill the rest of the late afternoon by visiting two U.S. companies — Intel and Borg Warner. We had dinner with friends, who were professors from the University of Finance and Economics and Liaoning Normal University.

**On the third day** we visited Dalian Administrative College (DAC). Here we delivered three briefs. With the much needed and appreciated translation help of Lian Ruan, we provided two primary briefs captured under the umbrella heading of Visionary Leadership in the Post 9-11 World, "Paradigms of U.S. Emergency Response" and "High-rise case study". Our third brief was an introduction to IFSI's 5-Step Learning Model and our Hazardous Material Team Training. Those attending

*continued on the next page*

# Table Talk

Mac  
McCastland  
Associate  
Director

The changing of the Guard – we’re getting a new CO!!! We’ve all been through this numerous times – in the military, at the firehouse, even the side job. What is it going to be like? Where has he/she been? What does he/she know about us? Will I need to change my act? And the list goes on. My experience is that when we get a new CO, half the troops are happy, the other half – not so much!

A good handful of years ago IFSI was in need of a new CO. Jerry Monigold had passed away and the chair was vacant. So the fire service buzz was about name dropping on who it was going to be – who had the inside track – who had the clout?

And then the unthinkable – “Did you hear what the University did?” They hired a Marine! Yup, a United States Marine, a full bird. What the heck does this guy know about us? What the heck is that place coming to? I’ll tell you what “There ain’t no Marine going to tell me squat”!

Well that was then and this is now. When Col. “J” was named Director, IFSI was going through extremely difficult times. It was close

to being done away with by the U of I. Col. “J” did not know squat about fire behavior, but he did know quite a bit about financial behavior! Remember some of the early word on the street: “Is this guy nuts, we used to pay \$50 bucks for a class and now he wants \$250 – NO WAY! And the rest as they say is history. When Col. “J” was ready to hand the reins over to a new CO, the University did it again! Another United States Marine – yup a full bird at that.

Col. Mortenson takes command of a much different place, a place that has become one of the “top gun” fire fighting institutions in the United States – a place that is building international relationships – a place looking out the windshield, but keenly aware of the rear view mirror! Col. “M” does not have a grasp on fire behavior, but does real good on human behavior, and he will lead us, YES HE WILL LEAD US!

Sir, welcome aboard.

With that being said, the season is starting, the car is off the line, tach is reaching 6500, time to pull a gear, and take it home!

Stay safe!  
MAC

## News and Notes

(continued from page 3)

See photos of the trip on page 25.

represented emergency managers from across China, City of Dalian, and University Professors.

**On our fourth and final business day** we visited Tsinghua University where we received a brief from their research professors on emergency management research. The research project focused on tracking the exact real time location of citizens in high-rise structures during an emergency event.

Following lunch I was provided the good news/bad news statement. Good News: We now have time for a tour of Beijing China. Bad News: We only have 2.5 hours. My request was to see China’s equivalency to the U.S. White House and our U.S. Congressional Building, and also Tiananmen Square and the Forbidden City. The tour request was granted.

For me, the very full trip had a perfect finale – dinner with very special guests. During our final evening in China we had the privilege of having dinner with almost 20 fire service representatives of the Peoples Republic of China. I was very comfortable with this group. I recognized the body language. I could see something recognizable in their eyes and a familiarity of the tone, even though the words were foreign to me. We shared career experiences, and raised training and service-

oriented questions. And true to form of my U.S. brothers and sisters, we joked, laughed, and would lift our glasses in a toast respectful of each other. A great evening made possible by Allen Yang and his wife.

**My lasting memories of this trip.** The Chinese are a friendly and genuine host; they are professionals, holding similar interests as ours in the areas of training, research, and service to private citizens. And last, but certainly not least, is the lasting admiration and respect that I developed in the professional and personal commitment that Lian demonstrated as she watched over me and represented the Illinois Fire Service Institute. Thank you Lian.

Our international relationships are important to the University of Illinois. Through our international pursuits we continue to demonstrate that we are good stewards and loyal partners of the University of Illinois. While we clearly add value to the University of Illinois, it is important for us to note that it is through this relationship that we are able to do all that we do for the Illinois fire service. It is also significant to remind ourselves that through our international endeavors we are learning and becoming even better at what we do. This will always be the outcome when we do not restrict ourselves to just what we bring to the table.

# *The Incident Management Training Center - A New Connection to the University of Illinois*

As part of the new IFSI Learning Resource and Research Center (LRRC), the planning team designed the building to have not only day-to-day uses to meet IFSI's growing needs, but also gave the building the capabilities to provide support to the University in the event of an emergency or large event on campus.

In the basement of the LRRC, the Incident Management Training Center doubles as the Campus Incident Command Post. On short notice, the secure classrooms can be reconfigured and set up to provide space for the different incident management teams that will be staffing the planning, logistics, finance, operations, and PIO positions. The room is equipped with banks of phones, radio systems, and AV technology that allows the users to leverage tremendous resources to prepare for, respond to, and recover from an emergency on campus. The basement of the building was built to withstand a direct hit from an F4 tornado, and has redundant internet and power systems.

On the first floor, the computer classroom has been prepared to double as the intelligence division. This area can be used to monitor camera feeds, news outlets, and websites as well as social media to generate information for the command staff to utilize when making decisions. The Paratech Conference Room can be used as the gathering place for campus policy makers, affording them privacy and security while providing the direction that the responders and campus officials will need to be able to manage the response functions. Adjacent to the Paratech room, the 109-seat auditorium can be utilized for media briefings and other information sharing needs.

All of these spaces are linked by technology. Video cameras with audio capabilities are in each space, and can be used in a variety of ways. The rooms can be connected in a closed-circuit system, allowing policy makers to observe the CICP without being intrusive. Presentations and briefings in the auditorium

can be recorded and then posted to the internet, either in the speaker's original language, or it can be simultaneously interpreted into other languages and saved with a variety of audio tracks for the video. Media briefings can be held, as well as panel discussions to connect experts with those needing information in the emergency.

All of these capabilities help to build a stronger connection between IFSI and the larger University of Illinois campus. These strong ties to the campus help IFSI to remain relevant to campus, as well as to foster additional collaborations between researchers, responders, and IFSI.

*Brian R. Brauer*  
Associate  
Director



# *Fire Fighting Programs*

*Brad Bone  
Fire Fighting  
Program  
Director*

I am writing this article in August as we prepare for the fall burn season to begin in September. While preparations are underway for our fall classes, we are at the same time evaluating this year's Fire College and Explorer Conference. Both were successful events despite the extreme heat that we experienced this summer. We will begin planning for both of those events in November. Along with those events, we are also planning the 2013 fire fighting program calendar. Here is a little more detail on each of those topics.

## **2013 Calendar**

The proposed calendar for 2013 will include a spring and fall Academy, Engine Company Ops, Truck Company Ops, FAST, Smoke Divers, and RIT Under Fire. Along with those classes, we will also offer three spring and three fall Light and Fight classes. When you add in Fire College, Explorer's Conference, and Industrial Burns the 2013 calendar is filling up pretty quick. Please keep in mind that the cutoff date or go-no-go date for classes is 30 days prior to the class, so if you plan on attending any of these courses, register early.

## **Fire College**

From our perspective, the 88<sup>th</sup> annual Fire College was very successful. This was the second year that we hosted the entire event on site and we continue to work the bugs out. Thanks to all of you who showed up for the opening ceremony and stayed for the photo. This was Director Jaehne's last Fire College before his retirement in August and we wanted to have a photo to record the occasion. Once registration opens for next year's Fire College, you will be able to view course specific instructions on our website. It would be helpful if you print the information and bring it with you to check in.

## **Explorer's Conference**

While the heat was extreme during Fire College, those who attended the Explorer's Conference endured the most extreme heat conditions I have ever seen during a summer in Champaign. Temperatures on Thursday exceeded 110 degree heat index

before ten that morning and remained high the entire four days of the conference. More noteworthy is the retirement of Greg Fisher after a lifetime of service to IFSI. His many years of dedication to the Explorer program are remarkable and an example to all when it comes to giving of your time and talent to others. Thanks Greg!

Both of our annual events included new courses related to fire dynamics in modern construction. As we look to the future of the fire service, this topic should be in the forefront of every training program. Building construction materials, open floor plans, vaulted ceilings, and the increasing amount of plastics in occupancy loads are changing fire behavior. The time to flashover is reduced and some models put flashover time ahead of the fire departments arrival on scene. Firefighters of today and tomorrow must be able to read the building, the fire, and the smoke and take the appropriate action now more than ever. A coordinated attack with proper ventilation is critical.

Although some of the information related to fire dynamics is based on current or recent research, if you have been around awhile you have probably heard some of the information before. Regardless of whether this is old or new news to you, we need to ensure that we are addressing it in training. In order to do that, our training methods need to change along with changes in the industry standards and practices. For example, we need to be prepared to search single family residences with open floor plans and fewer interior walls to follow. In addition, most of our live-burn training will take place in fixed facilities or older acquired structures without many of the characteristics of modern construction. Instructors and training officers need to note the differences and make sure that students and trainees understand the context of what they are experiencing. Our former Deputy Director Dave Clark used to always advise that building construction, fire behavior, and ventilation were three of the most important areas in which a firefighter must be well trained and current. That advice is just as true now as it was when he first told me over twenty years ago. Keep training and stay current.

# Pro-Board Accreditation

IFSI offers ProBoard certificates for all IFSI courses that are accredited by the National Board on Fire Service Professional Qualifications. The certificates are nationally recognized and allow for standardization of responder training across the country; simply put, the ProBoard is the fire fighting equivalent of the National Registry for EMTs and Paramedics.

IFSI is accredited for various lev-

els, to view a complete list, click on the following link: <http://www.theproboard.org/Agencies/Illinois.htm>

For these various courses, the ProBoard Seal and number will be on the downloadable IFSI certificate of completion when it becomes available following the class - no additional forms or payment is necessary. IFSI is paying the certificate fee on the student's behalf.

## 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, I/II; Trench Rescue I, II, I/II; Vehicle & Machinery I, II, 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, Technician   |
| FD Safety Officer | 1521 | Incident Safety Officer   |

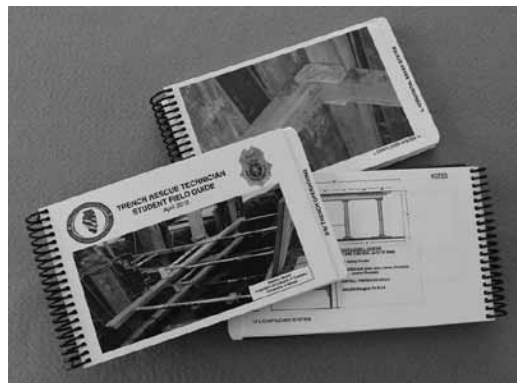
## IFSI Introduces New Field Guide

IFSI has introduced a new book – “Trench Rescue Technician Student Field Guide.” The handy pocket-size guide (TFOG) was developed by IFSI Instructor Heather Moore. The TFOG features Incident Command and Technical Rescue Ops check list, step-by-step intersecting trench shoring diagrams, manufacturer’s tabulated data, OSHA interpretation reference material and also serves as a guide for first responders.

The book is used as part of IFSI Special Operations Training Program’s Trench Rescue Technician classes. The book includes fully illustrated with easy-to-follow photographs and diagrams of shoring systems critical to successful rescue operations including: “T” Wale System, “L”

Cantilever System, “L” Horizontal Raker System, and the “L” Cantilever with Corner Strut System.

The book may be ordered for \$75 from IFSI’s web site at [http://www.fsi.illinois.edu/content/giving/Trench\\_FOG/order\\_form.cfm](http://www.fsi.illinois.edu/content/giving/Trench_FOG/order_form.cfm)



# From the Field: Cornerstone Reports

## Northeast Region

Randy  
Schlichter  
Cornerstone  
Northeast  
Region

### Greetings from the land up north.

Watch for my monthly regional training activities 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 De Kalb 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 e-mail list, drop me a line at [schlicht@illinois.edu](mailto:schlicht@illinois.edu).

The Northeast Region has a Regional Training Center (RTC) at the Cherry Valley Fire Station #3, 4919 Blackhawk Road in Rockford. Cherry Valley 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.



Cherry Valley live-fire training tower

The "Light & Fight" dates are:

**October 20**  
**December 1**  
**March 23**  
**May 4**

To register call Sue at the Cherry Valley FPD (815/332-5382).

The 2012 Emergency Response Guide books (ERGs) are available free of charge at the following locations:

|                   |                   |
|-------------------|-------------------|
| DeKalb FD         | Cherry Valley FPD |
| 700 Pine St.      | 120 E. State St.  |
| DeKalb            | Cherry Valley     |
| B/C Jeff McMaster | Sue 815/332-5382  |
| 815/748-8460      |                   |

Wauconda FPD  
109 W. Liberty  
Wauconda  
D/C Al Schick  
847/526-2821

If you have questions on anything for the Northeast Region, don't hesitate to contact me at 217/300-1813.

Stay Safe, Randy

## East Central Region

Tim Meister  
Cornerstone  
East Central  
Region

My name is Tim Meister and I am your new East Central Illinois Regional Representative for IFSI. I have been with IFSI since 2002 as an instructor and I currently serve as a Captain on the Charleston Fire Department in Charleston, Illinois. I have had the honor of following in the footsteps of Greg Fisher, who retired as your East Central Illinois Regional Representative in June.

I am excited about the upcoming training events that I already have planned with many of you, and look forward to the opportunity to work with more of you in the near future. I have taken on the responsibility of planning all of the Explorer Cadet Field Trainings throughout the state of Illinois. There will be a total of four

training sessions. November 3, 2012 is the first available Explorer Cadet Field Training. It will be held in Frankfort, Illinois from 8am to 5pm. Enrollment will be limited, so it is in your best interest to register as soon as possible. Visit the IFSI web site for registration information. Please be advised, other dates and locations of additional Explorer Cadet Field Trainings will be available and will be posted as details are finalized.

In the meantime, I look forward to meeting many more of you and working closely with each and every one of you. If you have any additional questions, please do not hesitate to contact me at [tameiste@illinois.edu](mailto:tameiste@illinois.edu).



# From the Field: Cornerstone Reports

Greetings from the Northwest Territory! The end of summer into early fall finds the Northwest Territory steadily busy. Class requests continue to come in. Geographic representation of classes is adequate; however, there are many counties who do not have any requests in at all. I try to distribute the funds allotted to my region as evenly as possible; however, if no one in a given county or counties ask for classes then I honor the requests where the students tend to show up. Just in case anyone needs an update on what it takes to host a cornerstone class here is the basic information:

A Request for Training form must be submitted for **each** training topic.

1. Please note the listing of classes on the back side or second sheet of the request for training. Most topics may be requested in a 4- to 16-hour format.
2. All students must be able to show official active affiliation with a recognized fire department or first responder organization, which provides proper insurance coverage for the student. Students must either pre-register or register the day of the class. **The registration form has to be signed by the student and a representative from their fire department such as the chief or the training officer.**

## Northwest Region

3. Only students 18 years old and older may participate in Cornerstone classes.
4. You **must** have a **minimum of 15 students from at least two different fire departments** attend Cornerstone-funded classes.
5. If the minimum number of students does not show for the class and the instructor has traveled to get to the class site, the class can be delivered and the balance of student seats will be billed to the host department.

*Ray Palczynski  
Cornerstone  
Northwest  
Region*

If you are not currently receiving my monthly "Northwest Territory Training Updates" please email me your email contact information at [rpalczyn@illinois.edu](mailto:rpalczyn@illinois.edu) and ask me to add your email address to my list.

The 2012 ERG books are now available. If you haven't received yours from the designated regional distribution point then contact your regional representative and he can make a delivery. Distribution points in the Northwest Territory are: the Quincy FD, Beardstown FD, Galesburg FD and Pekin FD (next to my region).

**Northwest**  
Ray Palczynski  
217/300-1805  
[rpalczyn@illinois.edu](mailto:rpalczyn@illinois.edu)

**Northeast** Randy Schlichter  
217/300-1813  
[schlicht@illinois.edu](mailto:schlicht@illinois.edu)

**Chicago Metro**  
Richard Stack  
217/300-1814  
[rstack@illinois.edu](mailto:rstack@illinois.edu)

**Central**  
Jim Vaughn  
217/300-1809  
[jrvaugh1@illinois.edu](mailto:jrvaugh1@illinois.edu)

**Southwest**  
John Nichols  
217/300-1812  
[jocfd201@illinois.edu](mailto:jocfd201@illinois.edu)

**East Central**  
Tim Meister  
217/202-4760  
[tameiste@illinois.edu](mailto:tameiste@illinois.edu)

**Southern**  
Tim Bragg  
217/300-1817  
[wtbragg@illinois.edu](mailto:wtbragg@illinois.edu)

## Cornerstone Regions



# From the Field: Cornerstone Reports

## Southwest Region

*John Nichols  
Southwest  
Regional  
Representative*

Hello from the Southwest Region of Illinois. As the summer ends and we have survived the worst drought in recent years and the hottest temperatures in years, it is time to reflect on the changes that have occurred since the last newsletter. For one, we have a new Director at IFSI. Also, Cornerstone classes continued on with no interruption in funding with many classes being held throughout the state.

I would also like to wish the best of luck to Colonel Jaehne on his retirement from IFSI. We are sure to miss his leadership and friendship very much. It would be very hard to list all he has accomplished in his fifteen years with IFSI.

At the same time I would like to welcome Colonel Mortenson to the Director's position. I am looking forward to working with him and continuing to represent IFSI in the Southwest Region under his leadership.

Requests for Cornerstone classes continue to come in. There are several classes already set up for the coming months. There is still time and funding available to host the classes you want.

As always, if you need any help with setting up a Cornerstone class for your department or have any questions about classes do not hesitate to call me at 618-973-2059.

IFSI took part in the 9/11 Ceremony held at Holiday Shores Fire Department with Roger Lunt speaking to more than 200 attendees.



*Deputy Director Roger Lunt took part in a 9/11 ceremony at the Holiday Shores Fire Department. Roger is pictured (upper right) with Holiday Shores FD Chief Steve Cooper. The honor guard is from the Staunton Fire Department, pictured at top left with Roger Lunt and below left with Chief Cooper.*

# *From the Field: Cornerstone Reports*

## **Keep Goin' South**

By the time of this writing almost all of the fire departments in the IFSI Southern Region have heard from me in one way or another. If by some chance your fire department in the IFSI South Region hasn't heard from me – then we need to meet, talk and get to know one another.

If you are not receiving Southern IL Training Opportunities updates please email me at [wtbragg@illinois.edu](mailto:wtbragg@illinois.edu).

Training is in full swing in the southern part of the state with Cornerstone classes and Fire Officer classes filling our schedules. South Region Cornerstone classes and fire officer classes are requesting dates and IFSI Staff is working hard to fill those requests. Classes are already being requested as far off as February 2013. With that being said, many South Region instructors are already committed for many different classes.

The IFSI Staff and especially Lew Lake, Jim Vaughn and I are working hard to put Fire Officer I and Fire Officer II classes in southern Illinois. As of this writing, there are many Fire Officer I & II classes scheduled in southern Illinois. As we all know, this is

## **Southern Region**

a very important program for Fire Officers. I would like to thank many others in the Southern Region including IFSI Field Staff instructors and South Region Fire Chiefs for their help in promoting the IFSI Fire Officer Programs.

If there is a training class/program that your fire department needs, please submit an IFSI Request for Training as soon as you can. Remember to invite your neighboring fire departments to train with you. Also, please check the IFSI web site for classes already scheduled in your area that will fill your training needs.

My job is to help and support the fire departments of southern Illinois. I plan on doing just that!

Please email me at [wtbragg@illinois.edu](mailto:wtbragg@illinois.edu) or call me at 217-962-1597 with your questions, comments or concerns. As always, I am looking forward to working with you in the near future.

A good friend of mine always ends a conversation or email with the statement – “Stay Safe.”

*Tim Bragg  
Cornerstone  
Southern  
Region*

## **Greetings from the Central Region**

As your new IFSI Central Region Representative I have had a very busy six months. I have been trying to get around and meet as many people as possible and plan to stop by every Fire Department in the region within the next year. Please feel free to contact me if you have any needs or questions. I would be more than happy to come and visit your MABAS, County or Chiefs meetings. In addition, please feel free to let me know if you would like me to stop by any Training Meetings to discuss IFSI support.

We have a lot of exciting classes coming up this year. We have a Light & Fight scheduled in Beardstown on January 19. This will be a fantastic winter training opportunity that will emphasize working in cooler conditions and we will have something to offer for all department personnel who attend.

## **Central Region**

Also keep your calendar open for the MABAS 42 Fire School (Tazewell County) on May 4 and 5, 2013. We will be offering several IFSI Cornerstone Classes at this Regional School.

The Cornerstone Program offers a very extensive list of classes that are available free of charge to Fire Departments. Please take an opportunity to look over our Course Catalog on the web site and see what classes would be of benefit to your fire department.

If you would like to keep up to date on the classes being offered in the IFSI Central Region, send me an email and I will add you to my mailing list. Also, you can follow what's happening on our Facebook page, “IFSI Central Region Training”.

*Jim Vaughn  
Cornerstone  
Central  
Region*

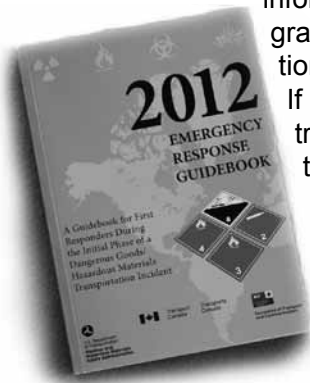
# From the Field: Cornerstone Reports

## Chicago Metro Region

*Rich Stack  
Chicago Metro  
Regional  
Representative*

Hello from the Chicagoland area. The new fiscal year started on July 1st and the requests are coming in. If you are thinking about requesting a class please do so. Even if you are planning on having the class in the spring, put the request in now. The budget starts to run short come springtime, so request the class now and get it on the books.

If I have not made it to your department in a while, shoot me an email so we can meet up. Maybe your MABAS or Division are meeting for training and would like more information about the Cornerstone Program. I will come out and give a presentation and information about Cornerstone. If you would like to receive the regional training flyer for the area, email me at the address below to get added to the email list. The 2012 ERG books are now available; I will have them with me if you need them, as will all regional representatives.



Remember the Cornerstone Program is here for you and your members so please take advantage of it. It is a good idea to go the IFSI web site [www.fsi.illinois.edu](http://www.fsi.illinois.edu) and see what classes are going on in your area as well as the other regions. Even if the class is not in your region you can still attend. But for all Cornerstone classes go to the web site to register online. To register, go to the web site, click on the Programs tab then click on Cornerstone. Scroll down find the class you are interested in and click on the specific class and location and then register online.

But if you are really interested in hosting classes contact me and we will get together. You can reach me at 217/300-1814 or email me [rstack@illinois.edu](mailto:rstack@illinois.edu).

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

---

## **Winter Fire School** **Saturday January 26, 2013 8am – 5pm** **Sunday January 27, 2013 8am – noon**

*Eddie Bain  
Winter  
Fire School  
Director*

Save the date for Winter Fire School 2013. This 12-hour focused educational experience returns in January with a popular past program and new class topics. The “Firefighter, Fire Engine & Fire House” class will again be presented with time tested foundational wisdom and new innovative topics. Come prepared to ask questions and share your fire service experiences.

Other classes that are under consideration are: “Fire Photography,” “Public

Information Officer,” “Highway Incident Management,” “Leading the Transition in Volunteer & Combination Departments” and “Modern Building Construction and the Fire Service.”

Winter Fire School is an opportunity to network with firefighters and officers from around the state and to learn from some of the Fire Service Institute’s top instructors.

Watch for details on the IFSI web site beginning in October.

# From the Campus: Program Reports

## **Hello Everyone**

First, I want to extend my condolences and thanks to the Simon family. Joe Simon, President of EMC, unfortunately passed away this past summer. Joe was a tremendous supporter of the fire service and IFSI's Vehicle Machinery Extrication Program. Although he is gone and is sadly missed, I know he is still keeping a watchful eye over us.

Second, congratulations to Colonel Jaehne on his retirement from the institute. Under his direction, the institute became both nationally and internationally known. Thank you for being a friend and mentor. Semper Fi.

Third, a big thank you to all of the corporate partners that assist the Vehicle/Machinery Extrication Program. Your support touches over 500 firefighters each year in this program alone. It is an honor working with all of you.

## **Vehicle/Machinery**

Lastly, welcome aboard Colonel Mortenson.

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

Joe

*Joe Drennan  
Vehicle/  
Machinery  
Rescue  
Program*

## **Upcoming Vehicle/Machinery Classes**

To meet the needs of volunteer departments, Vehicle/Machinery Operations is being offered over two weekends. The class meets Saturday and Sunday at the Champaign campus on October 27-28 and November 3-4. The tuition is \$400. Sandwiched in between the weekends is a five-day class, also on IFSI's Champaign campus.

Vehicle/Machinery Technician is being offered for 40 hours during the week of November 12. Tuition for this class is \$525.

## **Agricultural Rescue**

Greetings brothers and sisters. We have had another successful summer. Class requests are coming in, but there are still plenty of dates available for this fall. We have been able to place rollover protection on the tractor we are using in the Ag Rescue class; hopefully this will extend the life of the tractor for many years. The Ag Rescue Program also received a running gear to mount the anhydrous tank on to complete another training prop.

Fall is approaching. The drought this summer has made the probability of field fires a major concern. In the southern part of the state, tractor fires are being reported due to the leaves and stalks getting around the exhaust systems. This is due to the crop not being harvested which requires field work to be done in standing crops. Prevention is the key, having an extra fire extinguisher on the tractor and

combine is paramount this year. Another action that could make a difference is to use a leaf blower before starting each day and removing dust and debris that collects on the machinery. If a field fire occurs don't delay the 911 call and if farm machinery is used to make a fire break allow extra space as the fire may travel faster than expected.

Bill Fulton, IFSI field instructor, wrote an article that was published in the June issue of *Fire Engineering* the subject was methane fires and explosions in livestock facilities.

Harvest is coming and long days and short nights will be happening. As I have said many times - be careful, watch out for one another, and I look forward to seeing you as we travel the state.

*Dave Newcomb  
Ag Rescue  
Program  
Manager*

# *From the Campus: Program Reports*

## **Homeland Security**

*Joe Gasparich  
National  
Incident  
Management  
System (NIMS)  
Program  
Director*

There has been a lot of discussion about leadership in the past few months. As IFSI says farewell to Director Jaehne, we recognize his leadership of the past 15 years. We look forward to Colonel Mortenson's leadership.

There has been literally hours of discussion as to who is best to lead our country in the upcoming elections and we ask ourselves about leadership in our own departments. There is a statement that great leaders are mad, not born, and this is true; however, having some God-given talent never hurts. The truth is that leaders need to recognize their assets in manpower, tools and training and that is where we at the Illinois Fire Service Institute come in. IFSI gives leaders training and tools.

In the Homeland Security Program we strive to train potential incident commanders how to accomplish their mission using a structured, trusted and time-honored system. I have often heard it said that all emergencies and disasters are different and this is true, but by training and practicing the use of the incident command system we can face each new challenge with a tool that

we control and therefore we can control the way we respond to the disaster. I have mentioned this before and it bears repeating that in many cases a standard set of objectives developed by the incident commander carries over to many varied types of events. For example, perimeter establishment may apply to a hazardous material situation, a civil disturbance, or even a tornado.

Of course, it takes skill and some expertise to apply the ICS system to disaster and emergency response and that is where IFSI is able to assist as well. Through practice, the incident commander becomes proficient in the application of the ICS system and CONFIDENT in their ability to use it. In scenarios designed to mimic local events, students can apply their new-found skills to a simulated event in their local jurisdictions.

If this sounds like something that could benefit you, please contact the IFSI homeland security staff.

I want to wish Director Jaehne the best in his retirement and I hope you join me in welcoming Colonel Royal Mortenson!

Joe



***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)***

# *From the Campus: Program Reports*

## **Officer Program**

As I write this column I look back at the last 15 years of IFSI under the leadership of Director Jaehne. Under Jaehne's leadership, our Fire Officer program made vast improvements and many changes that have helped hundreds if not thousands of Fire Officers in Illinois. An example is the 5-step teaching model that has been used in the program at all levels. This change has taken us to a program that is built upon core values and leading by example. Student self study, instructor lectures, instructor-led scenarios, student-led

scenarios, and finally, validation. All parts being equal, the validation is what we see on the street every day, in street proven tactics and decision making. When this all comes together it's what we do in combat and it keeps firefighters alive.

Come check out the Officer program throughout the state. If you're up to the challenge to become a better officer, sign up for Fireground Officer or Command School. This 28-year-old program will make you the type of Officer you want responding to your house.

*Lew Lake  
Officer  
Program  
Director*



### ***Upcoming Officer Classes***

**Instructor I:** over two weekends in West Frankfort - November 17-18 and 24-25. Tuition \$250

**Instructor II:** over two weekends in Sauget - November 2-4 and 9-11. Tuition \$250

**Management I:** over two weekends in West Frankfort - December 1-2 and 8-9. Tuition \$250

**Management II:** 40 hours in Champaign - December 3-7. Tuition \$250

**Management III:** 40 hours in Carol Stream - November 12-16. Tuition \$250

# *From the Campus: Program Reports*

## **Research**

Gavin Horn, PhD  
Research  
Program  
Manager

### ***Are you prepared to help your fellow firefighters by participating in an important research project?***

A study is being conducted by IFSI and the University of Illinois. It will investigate how the design of your SCBA impacts changes in biomechanics variables and accumulation of fatigue while fire fighting.

#### ***Research participants needed***

A leading cause of firefighter injuries is due to slips, trips and falls. This research project, "Effect of SCBA Design and Live Fire Fighting on Firefighter Balance, Gait and Safety of Movement" will study how your SCBA affects your movements during fire fighting activities and examines how the SCBA might contribute to fatigue during fire fighting.

#### ***Who is eligible to participate?***

- Any firefighter between the ages of 18 and 60, cleared to participate in live fire activity by their home department.
- Any firefighter who is free from permanent or temporary gait or postural disorders.
- Available to participate in up to 10 test sessions at IFSI's Champaign campus with each session lasting approximately 1-1/2 hours. Each session includes fire fighting activities, either in live fire or a warm room, plus pre- and post-fire fighting data collection.
- Agree to sign an informed consent form.
- Willing to accept \$60 per session for your participation, up to \$600.

Complete details are available from Gavin Horn, Director of Research at 217/265-6563 or by email at [gorn@illinois.edu](mailto:gorn@illinois.edu).

## ***New Researcher Joins IFSI***

Dr. Terry von Thaden has joined IFSI as a Human Factors Research Scientist. Dr. von Thaden will be responsible for providing support for IFSI research and educational programs for IFSI's Firefighter Life Safety and Research Center. Her role is to focus on identifying and incorporating human factors research into current and new research activities.

Dr. von Thaden comes to the institute with an impressive background in scientific research. Her research involves distributed information practice in safety and time critical environments, including first response, aviation, medical, security, and transportation systems. Her work

investigates human factors affecting risk assessment; individual and group decision processes; information exchange and crisis management, among other areas.

Dr. von Thaden holds affiliate appointments in the University of Illinois Graduate School of Library and Information Science, Human Factors Division, Industrial and Enterprise Systems Engineering, and Psychology. She currently serves on numerous Government-Industry working groups. She is a licensed pilot and motorcyclist. Dr. von Thaden earned her Ph.D. in Information Science from the University of Illinois.



# From the Campus: Program Reports

## A High Profile Topic

Wildland fire seems to be a very high profile topic as of late, which puts you front and center as well! When the news reels rolled in Colorado Springs early this summer and now throughout the remainder of the country including northern, central and southern Illinois it begs the question - how well prepared are we to deal with a "Wildland Urban Interface" event? Have we preplanned our access and egress routes, rural water sources; how about your urban interface structural triage skills (saveable, saveable with assistance, non-defensible)? Have you worked out or identified which properties have the most defensible space? Do you or your fellow firefighters know all the Urban Interface Situations that shout Watch Out? If the answers to these questions are "maybe" or "not really," then we can help. The wildland firefighting program has a class that covers these and other wildland (ground cover) fire topics, from basic principles and initial attack operations to the use of fire as a suppression tool to complex urban interface management. Let us help prepare you for your next wildland response.

Speaking of your next wildland response, a word of caution: this is no normal fire year, the drought has severely affected the fuels all over the state. Whether grasses, row crops or shrubs and

## Wildland

timber models, fire behavior is going to be more severe than normal. Faster rates of spread, greater flame lengths and more intense burning should be anticipated and planned for. Please base all actions on current and expected fire behavior, order additional resources early and please utilize lookouts, communicate clearly, identify escape routes and know where your safety zones are at all times. (LCES)

On behalf of myself and the rest of the "Wild Bunch" we wish you a safe fall fire season and remember to "Attack From The Black."

*Tom Richter  
Program  
Manager*



---

## Upcoming Wildland Classes

**NWCG G-130/G-190 Basic Wildland Firefighter Training** (20 hours over a weekend)

Lexington: November 9-11

Brimfield: April 12-14

Sherrard: April 19-21

Wildland Fire Fighting classes are funded by the Illinois Department of Natural Resources to acquaint firefighters with skills needed to contain and extinguish a wildfire in rural or urban/rural interface settings. G-130 and G-190 are designed to provide basic training to the entry-level firefighter who may respond to a wildland or urban interface fire. G-130 provides instruction in LCES, fireline methods, extinguishment, and factors impacting firefighter safety at a wildland incident. G-190 instructs the firefighter in the primary factors affecting the start and spread of wildfire and recognition of potentially hazardous situations, including the fire triangle, weather, and topography and fire behavior factors that may compromise firefighter safety. This 20-hour class also introduces the firefighter to the wildland incident management systems.

# *IFSI International Program*

*Dr. Lian Ruan  
International  
Program  
Director*

During the Vision 2020 planning, Director Jaehne asked me to draft the *Standard Operating Guidelines (SOG) for IFSI International Programs*. The programs work closely with the IFSI Director and personnel and play an important role in both furthering IFSI's international goals and supporting broader campus goals for globalization. The Programs will help facilitate mutual learning, information exchange, knowledge sharing, and collaborative development between IFSI and organizations around the world with a focus on China in the related subject areas of emergency management, fire fighting, library and information science, etc. The Programs will help enhance IFSI's world-class expertise and premier institute status in emergency management and firefighting fields. The Programs will maintain and develop a self-sustaining program that will make important contributions to IFSI's overall mission and finance development. The Programs will support IFSI as a world-class institute in fire service.

The 2012 Chinese Librarians Summer Program (6/22-7/20) was held successfully with 27 participants along with visiting scholars. The participants celebrated the eight years of the program. They attended the U of I campus residential

training with speakers from the Graduate School of Library and Information Science, University of Illinois Library, Illinois State Library, and the Illinois State University Library. They also had a webinar session with the digital asset manager from Yale University. They made site library visits to Columbia University, Princeton University, Library of Congress, Stanford University, and University of California at Berkeley. Du, Jin, Library of University of Science & Technology of China, Department of Reference, and Cui, Haiyuan, Head of Peking University Library System Department, are winners of the 2012 China Endowment Fund Scholarship (see photo below).

The 2012 Dalian-IFSI Emergency Management Training Program (6/23-7/13) was successfully conducted with 19 participants from Dalian city government. The participants learned emergency management from IFSI, Chicago Emergency Operation Center, Illinois State Emergency Operations Center, the Los Angeles County Fire Department, Los Angeles City Emergency Operation Center, and New York City Fire Department (see photo next page).

*Participants in the  
8th Annual Chinese  
Librarians Summer  
2012 Program.*



# Library Updates & Highlights

The IFSI Library has added to its webpage a bibliography of publications written, produced, or recorded by IFSI staff members. The bibliography, titled IFSI Authors, is accessible through the library's dropdown menu at the IFSI home page, from the library's homepage at <http://fsi.illinois.edu/content/library/>, or by going to [http://fsi.illinois.edu/content/library/ifsi\\_authors.cfm](http://fsi.illinois.edu/content/library/ifsi_authors.cfm). If you are an IFSI staff member who has published but do not find your publication listed in the bibliography, please contact the library.

A majority of the items listed in the bibliography are available for loan from the IFSI Library. The library can provide full-text access at a password-protected online reserve site for most of the periodical articles cited. Other materials, such as books, CDs, DVDs, and videos, may be borrowed in person at the IFSI Library or through interlibrary loan to an Illinois public or academic library. To borrow materials from the IFSI Authors bibliography, please place a web request by going to <http://fsi.illinois.edu/content/>

[library/search/](#), or contact the library at 217/333-8925 or 800/437-5819, or by email at [fsi@library.illinois.edu](mailto:fsi@library.illinois.edu).

Representative samples of IFSI Authors published articles are also on display in the IFSI Library.

**Recent travel to collect information for IFLODD:** The Illinois Firefighter Line of Duty Deaths Digital Image Collection Database has resulted in complete firefighter records for all line of duty deaths at the Oak Park Fire Department. Images of the memorials to the fallen firefighters and the Oak Park apparatus dedicated to their memory were among the pieces of information that were added to the records. To see these newly added records or any of the records for the 860 Illinois firefighters currently listed in the database, visit <http://www.fsi.illinois.edu/content/library/IFLODD/>. To contribute information about a fallen firefighter or learn more about the database, please contact David Ehrenhart at [ehrenha1@illinois.edu](mailto:ehrenha1@illinois.edu) or 217/244-0783.

*Dr. Lian Ruan  
Head Librarian*



*Nineteen students completed the first Dalian-IFSI Emergency Management Training Program in the summer of 2012.*

# From the Campus: Program Reports

Rich Valenta  
E-Learning  
Program  
Director

## Online Classes

### **Fires on the Farm**

The IFSI Distance Learning Program has recently completed the development of two new training opportunities for firefighters.

Previously the *Fires on the Farm* course was only available through direct delivery in the traditional classroom setting. We are happy to introduce *Fires on the Farm* online and *Fires on the Farm Down & Dirty CD Training Package*. While the content is the same for each, the delivery format is different.

*Fires on the Farm* provides the fire department and fire fighter with unique challenges. They include, but are not limited to, initial response considerations, tactical and command considerations, special fire fighting challenges such as ag chemical, LP tanks fires, cop and field fires, rural water situations and pre-planning difficulties, just to name a few.

The *Fires on the Farm* online course is a self-directed/self-paced course. While the online course is formatted for individual use, fire departments can have members register individually, then

access the course online for their regular training sessions in a classroom setting for group training. Once the 16 modules are completed firefighters can return to the course, take the final quiz, and print their certificates. This course is provided at no cost to the fire department or firefighter.

The *Fires on the Farm Down & Dirty CD Training Package* will be mailed to each Illinois Fire Department. While the content is the same as the online course, the CD training package delivery format allows fire departments and firefighters a chance to assess their fire operations and concentrate on specific training needs in a large, small group or individual setting without the need for internet access. IFSI would like to recognize the Illinois Firefighter's Association for their generous donation and continued support that makes the development and distribution of *Down & Dirty Training Packages* possible.

We are confident that you find these training opportunities very worthwhile.

As always take care and be safe,  
Rich Valenta

Registration is available by selecting this link.

<http://www.fsi.illinois.edu/content/courses/register/step1.cfm?activity=201300179&session=31527>

---

### **Training and education available 24/7 with online classes:**

Continuous classes beginning January 1 and June 1:

*Autism Spectrum & Similar Disorders in Emergency Situations*

*Fires on the Farm*

*Enhancing Grant Writing Skills*

*Ethanol Awareness*

### **Also offered online, check the web site for beginning dates:**

*Technical Rescue Awareness* - needed for Basic Operations Firefighter certification.

Classes start every two months beginning November 1.

*SWMD: HazMat Awareness* - needed for Basic Operations Firefighter certification.

Classes start every two months beginning November 1.

*Basic Firefighter/NFPA Firefighter 1* (blended course combining practical with online learning)

*Emergency Response to Terrorism: Basic Concepts*

*Fire Apparatus Engineer*

*Fire Service Vehicle Operator*

*Fire Origin and Cause Awareness*

# *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 Working to Grow Programs*

*Dennis Spice  
Director of  
Corporate  
Relations*

The Illinois Fire Service Institute has established the *Ag Rescue Training Fund* to support the Ag Rescue Program.

With support from individuals, businesses, organizations and corporations, the Ag Rescue Program can be sustained and expanded to meet the growing needs from training in rural areas and farming communities.

Access to more training on modern equipment and new information on farm hazard issues will assure that firefighters are better prepared.

For more information on the Ag Rescue Training Fund and how to become a Partner in this extremely important training program, contact Dennis Spice, Director of Corporate Relations at 217/898-6507 or by email at [dspice@illinois.edu](mailto:dspice@illinois.edu).



*IFSI's Ag Rescue Program Manager, David Newcomb, is interviewed by Illinois Farm Bureau's RFD radio on August 30. He is pictured with Dennis Spice, IFSI's Director of Corporate Relations. David and Dennis discussed the new Ag Rescue Training Fund to support expanded agricultural training.*



*Midland States Bank receives an Appreciation Award for their financial support of IFSI Research during 2011.*

*Pictured left to right are: Mr. Richard Jaehne, IFSI Director; Ms. Becky Von Holten, Market Director and Dr. Gavin Horn, IFSI Director of Research.*

**A complete 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.**

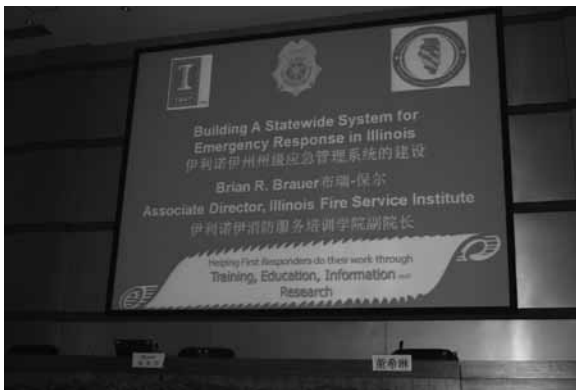
## ***Associate Director Brian Brauer, along with Ray Palczynski and Lian Ruan traveled to China in September***



*Lian, Brian, General and Vice President Gao, Taicun and Ray.*



*Brian Brauer with Professor Yuan, Diping.*



*Brian Brauer made a presentation on hazardous materials*



*Brian Brauer with staff from Chinese People's Armed Police Forces Academy*



*A group picture with the leaders and staff from the Chinese People's Armed Police Forces Academy*

**ADMINISTRATION**

Royal P. Mortenson, *Director*  
217/300-0229  
rpmort@illinois.edu

Roger Lunt, *Deputy Director*  
217/244-9674  
r-lunt1@illinois.edu

John (Mac) McCastland, *Associate Director*  
217/333-5018  
jmccastl@illinois.edu

Brian R. Brauer, *Associate Director*  
217/333-9027  
brbrauer@illinois.edu

Harry Clore  
*Director of Budget & Resource Planning*  
217/244-6359  
hclore@illinois.edu

**AGRICULTURE PROGRAM**

Dave Newcomb, *Program Manager*  
217/300-1811  
newcomb@illinois.edu

**REGIONAL/CORNERSTONE REPS**

Tim Meister, *East Central Illinois*  
217/202-4760  
tameiste@illinois.edu

Tim Bragg, *Southern Illinois*  
217/300-1817  
wtbragg@illinois.edu

John Nichols, *Southwest Illinois*  
217/300-1812  
jocfd201@illinois.edu

Raymond Palczynski, Jr.  
*Northwest Illinois*  
217/300-1805  
rpalczyn@illinois.edu

Jim Vaughn, *Central Illinois*  
217/300-1809  
jrvaugh1@illinois.edu

Randy Schlichter, *Northeast Illinois*  
217/300-1813  
schlicht@illinois.edu

Richard Stack, *Chicago Metro*  
217/300-1814  
rstack@illinois.edu

**ONLINE LEARNING PROGRAM**

Richard Valenta, *Program Director*  
217/300-1815  
rvalenta@illinois.edu

**FIRE FIGHTING PROGRAM**

Brad Bone, *Program Director*  
217/265-9438  
bgbone@illinois.edu

Tad Schroeder  
*Assistant Program Director*  
217/333-8927  
tjschroe@illinois.edu

**LP, OIL AND GAS PROGRAM**

Mark Clapp, *Program Manager*  
217/244-7134  
clapp@illinois.edu

**FIRE INVESTIGATION PROGRAM**

**FIRE PREVENTION PROGRAM**  
Eddie Bain, *Program Director*  
217/333-9014  
edbain@illinois.edu

**WILDLAND FIRE FIGHTING PROGRAM**

Tom Richter, *Program Manager*  
217/300-5407  
trichter@illinois.edu

**HOMELAND SECURITY PROGRAM**

**ICS/NIMS/UNIFIED COMMAND/IMT**  
Joe Gasparich, *NIMS Program Director*  
217/244-4487  
jgaspari@illinois.edu

Bill Farnum, *Incident Command / ICS*  
217/333-0660  
wfarnum@illinois.edu

**OFFICER PROGRAM**

Lew Lake, *Program Director*  
217/300-1808  
llake@illinois.edu

**INDUSTRY PROGRAM**

John (Mac) McCastland, *Chicago Metro Coordinator*  
217/333-5018  
jmccastl@illinois.edu

Brian R. Brauer, *All other areas*  
217/333-9027  
brbrauer@illinois.edu

**SPECIAL OPERATIONS TRAINING PROGRAM**

Ray Palczynski, *Program Director*  
217/300-1805  
rpalczyn@illinois.edu

Chris Downey, *HazMat Program Manager*  
217/244-4451  
cjdowney@illinois.edu

Ryan Reynolds, *Confined Space Prog. Mgr.*  
217/300-1806  
rreynlds@illinois.edu

Mike Woodard, *Rope Rescue Prog. Mgr.*  
217/300-1816  
mwoodard@illinois.edu

Mike McCastland, *Structural Collapse Program Manager*  
217/300-1810  
mccastla@illinois.edu

Heather Moore, *Trench Rescue Prog. Mgr.*  
217/244-4168  
hmoore@illinois.edu

**VEHICLE/MACHINERY RESCUE PROGRAM**

Joe Drennan, *Program Manager*  
217/300-1807  
jdrennan@illinois.edu

**CURRICULUM**

Kurt Glosner, *Associate Fire Service Education Specialist*  
217/265-0582  
kglosner@illinois.edu

Jason Griest, *Testing Specialist*  
217/244-8340  
jgriest@illinois.edu

Josh Zimmerman, *Curriculum Specialist*  
217/244-3154  
jzimm@illinois.edu

**LIBRARY**

Lian Ruan, *Head Librarian*  
217/265-6107  
lruan@illinois.edu

Diane Richardson, *Reference*  
217/333-8925  
dlrichar@illinois.edu

David Ehrenhart,  
*Archivist/Metadata Librarian*  
217/244-0783  
ehrenha1@illinois.edu

**MARKETING**

Mary Auth, *Director of Marketing*  
217/351-6373  
maryauth@illinois.edu

**CORPORATE RELATIONS**

Dennis Spice, *Director of Corporate Relations*  
217/898-6507  
dspice@illinois.edu

**RESEARCH PROGRAM**

Dr. Gavin Horn, *Research Scientist*  
217/265-6563  
ghorn@illinois.edu

Dr. Terry von Thaden, *Research Scientist*  
217/244-8667  
vonthade@illinois.edu

Dr. Steve Petruzzello, *Associate Professor*  
217/244-7325  
petruzz@illinois.edu

Dr. Denise Smith, *Health and Safety Research*  
217/333-4215  
dsmith@illinois.edu

Dan Martin, *Research Specialist*  
217/244-1002  
dmarti34@illinois.edu

Sue Blevins, *Support*  
217/265-6564  
sblevins@illinois.edu

**CAMPUS SUPPORT**

Bob Foster, *Facilities Manager*  
217/333-9015  
rfoster@illinois.edu

Mark Berg, *Operations Specialist*  
217/333-2905  
markberg@illinois.edu

**BUSINESS, INSTRUCTIONAL & STUDENT SUPPORT STAFF**

Eric Barnes, *Fire Service Support Specialist*  
217/265-0830  
ebarnes@illinois.edu

Jodi Beccue, *Program Secretary*  
217/244-6674  
jbeccue@illinois.edu

Kristy Berbaum, *Program Secretary*  
217/244-6185  
kberbaum@illinois.edu

Char Carlier, *Financial Coordinator*  
217/333-6284  
ckmitche@illinois.edu

Terri Hopper, *Chief Registrar*  
217/244-7131  
hopper@illinois.edu

Ann Jack Haluzak, *HazMat Program Operations Specialist*  
217/244-6228  
jackhal@illinois.edu

Beth Niswonger, *Business Operations*  
217/244-6004  
niswonge@illinois.edu

Collin Roloff, *Business Operations*  
217/244-2149  
croloff@illinois.edu

Josh Schwenk, *Business Operations*  
217/300-6692  
schwenk1@illinois.edu

**INFORMATION TECHNOLOGY**

Tim Lash, *Manager of System Services*  
217/244-6910  
timlash@illinois.edu

John Boyd  
217/333-2163  
jgboyd@illinois.edu

Kevin Kessler  
217/265-9890  
kkessler@illinois.edu

Roger Eveland  
217/265-0547  
reveland@illinois.edu



## Deputy Director Roger Lunt traveled to Dalian and Beijing China



Roger Lunt and the Dalian Administrative College President Wang, Yuanxin sign an agreement between the University of Illinois (on behalf of the Illinois Fire Service Institute) and Dalian Administrative College. Pictured in the back are left to right: DAC Administrator Song, Haisong; IFSI International Program Director, Lian Ruan; Deputy Mayor and First President of DAC, Xiao, Shenfeng and District Party General Yu, Dequan.



Roger presents a briefing on HazMat Courses from IFSI, while Lian Ruan translated for him. The briefing was one of three presentations made during their trip to Dalian, China.



Roger is pictured with Janet Liu, the NFPA Chief Representative in China.



Roger Lunt and Lian Ruan had an opportunity to visit the Forbidden City and the Tiananmen Square while in Beijing. They are pictured with their host, Allen Yang, who is Chairman of the Beijing Hang Tian Chang Xing Technology Company.



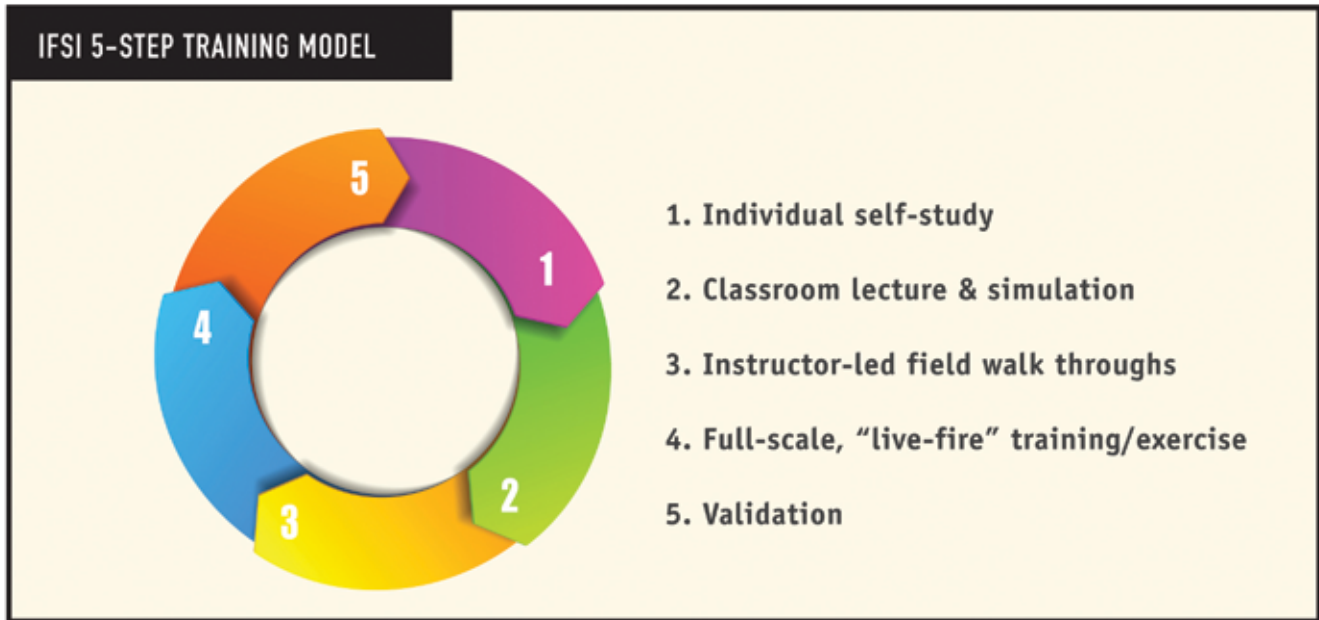
Roger and Lian attended a dinner hosted by DAC President Wang, Yuanxin and accompanied by Dr. Zhang, Yingju (far left). Dr. Zhang currently serves on DAC faculty and was a visiting doctoral student to Illinois Fire Service Institute.



Roger Lunt and Lian Ruan pose with Deputy Mayor and First President of DAC, Xiao Shenfeng; DAC President Wang, Yuanxin, District Party General Gu, Dequan; DAC Administrator Song, Haisong and Director of DAC Foreign Affairs SuiTao.

# 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 information visit: <http://fsi.illinois.edu/content/distance%20learning/courses/>

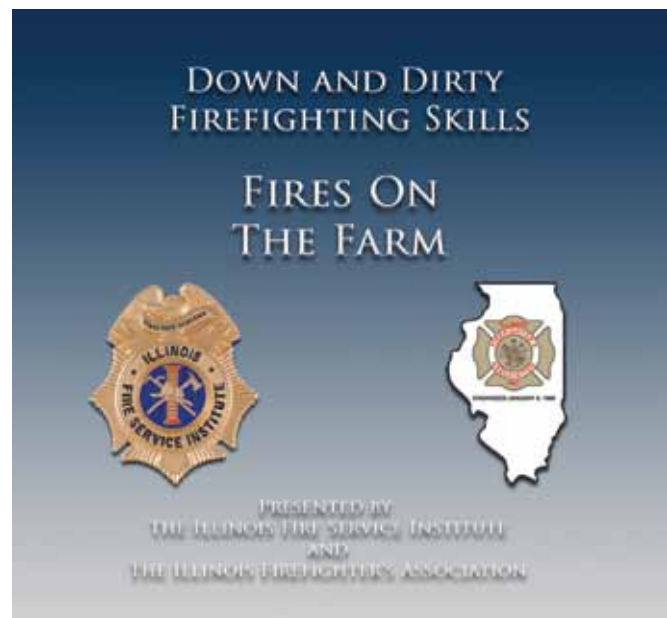
**Step 2 Classroom Presentation, Discussion and Simulation.** This brings the instructor to you in an environment supportive of lecture and tabletop simulations. You will be introduced to new skills and ideas through an instructor-led process. This process will provide the opportunity for objective based discussion and practice through table top 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 through tabletop exercises. This step builds upon the instructor-led classroom/simulation but moves away from the traditional classroom lecture and table top 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 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.



*The new Fires on the Farm CD training package will be mailed to all Illinois fire departments in fall 2012.*



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



Non-Profit Organization  
U.S. Postage Paid  
Champaign, IL.  
Permit No. 499



***Plan your 2013 training schedule now.  
The 2013 printed calendar will be in the  
mail by mid-November.***

## ***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.

