If you have any questions, contact the Office of Fire Prevention and Control by email at techrescueconference@dhses.ny.gov or calling 518-474-6746
2019 Technical Rescue Conference

Open to all First Responders

The Technical Rescue Conference will include workshops on the following Technical Rescue Topics:

- Swiftwater-Flood Rescue / Water Rescue
- Rope Rescue / Confined Space
- Structural Collapse Rescue / Trench Rescue
- Vehicle / Machinery Rescue
- General Rescue / Incident Management

Conference Costs:
There is NO FEE for this course. Lunch will be provided. Travel and all other meals are the responsibility of the course participant.

Pre-Conference Hands-on Training courses

- Advanced Vehicle Rescue In-Service
- Advanced Metal Cutting In-Service
- Rope Rescue In-Service Training
- Advanced Swiftwater/Flood In-Service Training
- Collapse & Trench Rescue In-Service Training
- ATV/UTV Operations

Please see the following pages for information about the pre-conference hands-on training courses.

Pre-Conference Costs:
There is NO FEE for this course. Lunch will be provided. Travel and all other meals are the responsibility of the course participant.

Location:
State Preparedness Training Center
5900 Airport Road, Oriskany, NY 13424

Registration Process:
All student registrations will be reviewed by the SPTC with approvals sent to students NO LATER THAN 2 weeks prior to the start of the class. Registration does not guarantee a seat in the class. If you are accepted into this course, you will receive a confirmation email from the Center. Attached to the email will be a Training Authorization Letter (EOSB-1654) which you must complete, sign, and return.

DO NOT REGISTER WITH THE NYS ACADEMY OF FIRE SCIENCE

Please use the following link to register online:
http://www.dhses.ny.gov/training/snap/sptc_tc_registration.htm

Lodging:
Lodging will be provided the night prior to the first day of class for all offerings that start at 8:00am and continue through the night prior to the last day of class. You are eligible for lodging if your residence and official work station are more than 50 miles from the SPTC and you are public sector personnel. Lodging is not available for federal employees or private industry participants. You must be enrolled in the course and have received lodging confirmation from the SPTC before arriving at the Center, or your lodging will not be covered and you will not be allowed in the class. If you have any questions, please contact the SPTC at 315-768-5689 or SPTC.INFO@dhses.ny.gov
Preconference HOT Sessions

Advanced Vehicle Rescue In-Service
The Advanced Vehicle Rescue course is 16 hours in length and consists of hands on skill stations and training scenarios involving rescue from vehicles. Scenarios will include recreations of some high profile vehicle accidents that have received media attention.

Pre-requisite: Accident Victim Extrication Training, Vehicle Rescue Operations Level or equivalent

Advanced Metal Cutting In-Service
The Advanced Metal Cutting course is an intensive 16-hour course for rescue personnel. The course will include metal cutting techniques using the Petrogen torch (multi-fuel/oxygen) and Oxy/Acetylene torch. These techniques are designed for rescue/recovery operations. The instructors for this course are technicians from Petrogen Inc; the lead instructor will be CEO Brian Heft.

Pre-requisite: Rescue Technician: Basic, and Medium Structural Collapse Operations: Tools or equivalent

Rope Rescue In-Service Training
The Rope Rescue course is an intensive 16-hour course for rope rescue personnel. The course will include refreshing the skills learned in Rope Rescue Operations/Technician level training and introduce new advanced level skills. This course involves extensive time on rope.

Pre-requisite: Rope Rescue: Technician Level 1 or equivalent

Advanced Swiftwater/Flood In-Service Training
The Advanced Swiftwater/Flood course will feature advanced level swiftwater/flood rescue skill training and rescue practice scenarios. This course will take place in the newly built Swift Water Training Facility on site at the State Preparedness Training Center.

Pre-requisite: Swiftwater/Flood Rescue Technician or equivalent

Collapse & Trench Rescue In-Service Training
This 16-hour in-service training will focus on skills taught in the NYS OFPC Collapse Series and Trench Rescue programs. This will be an intense hands-on class designed to challenge the students and use all the skills they have been taught. This scenario based in-service will help the students refresh their skills from OFPC classes as well as learn some new advanced skills. The instructors will lead the students through unique problems and provide them new techniques as needed. There will also be live exercises in which the students will extricate a trapped victim from an open trench scenario.

Pre-requisite: Structural Collapse Series (MSCO, Tools, Interior & Exterior Shoring, Void Search & Rescue) and Trench Rescue Operations or equivalent

UTV Operations
This 16 Hour in-service training will include the proper use of UTV’s in the technical rescue setting. Instructors will show students various techniques that can be used to safety operate these vehicles in complex settings. Students must bring agency owned UTV’s with them to this class, OFPC will not supply one.

Pre-requisite: Familiarity and comfort with ATV/UTV operations

Banquet/Networking Session
There will be a Banquet/Networking Session offered this year at no cost to registered program participants. The dinner will be at the Doubletree Hotel in Utica NY on Saturday June 1st at 6:00pm. The Keynote speaker will be Firefighter Paul Hashagan, Rescue Company 1, Fire Department City of New York (ret). Paul will discuss the 100+ year history of Rescue 1 and the many challenging rescues that the unit has faced over the years in New York City. Please indicate if you plan on attending when registering.
Presentations

First On-Scene for Water Rescues
Josh Pearcy, Lieutenant Oklahoma City Fire Department, Oklahoma Task Force 1 (OK-TF1)
This presentation is an instructor led power point and interactive class on the First on-scene actions for Water rescue events. This class will teach the attendees to utilize scene size-up techniques to make safe and effective decisions. Stresses the importance of pre-planning, training, and gathering efficient on scene information. For many depts water related calls can quickly become a low-occurrence/ high risk situation. Course covers a set of skills that all first responders should be able to perform quickly and correctly when lives depend on it. Course also covers information learned over time on interviewing witnesses for the best information possible to utilize on scene. Class includes high def photos and videos taken from actual responses and training events from around the country.

Flood Rescue Incident Safety Officer
Ben Selleck, Captain Bedford New Hampshire Fire Dept.
The swift water/flood rescue incident safety officer must be knowledgeable in operations and what can go wrong. Injuries in the technical rescue realm rarely happen out of the blue. We read smoke to tell us what is going on with a fire. What can we read at a Swiftwater/flood rescue incident? In order to prevent an injury the safety officer must know what can go wrong, why it goes wrong and how to stop it. We will look at a lot of warning signs so the officer is able to prevent an injury. If an injury does occur, what is your back up plan? Was there an emergency action plan in place? Lets discuss case studies, hazards, and common pathways to injury so we can make sure everyone goes home to their families the same way they left them.

Making sense of the numbers: MBS, Safety Factors, SWL, etc.
Clifford Freer, Fire Department City of New York
There are a lot of numbers thrown around in the rope world and often these numbers are used as sales gimmicks to promote one product over another. Spend some time diving deep into the numbers, what they mean and how you can use them to get a better understanding in the equipment we purchase and more importantly, to make your operations safer.

Specification of the Swiftwater/Flood Rescue Boat
Ben Selleck, Captain Bedford New Hampshire Fire Dept.
If you don’t plan and spec out your rescue boat the same way you spec out your fire apparatus don’t be surprised when it lets you down. Where do we start when looking at a Swiftwater/flood rescue boat? How do I assess my needs and what is right for us? Lets how you can find out what is right for your agency. Lets take a look at common boat types and how they are made. Then we can look at outboard engines and why it is critical to get the right match for our boat. Lastly lets make sure we set our boat up for success. What are other things we need to think about when planning to get a Swiftwater/flood rescue boat. Once you make a decision your stuck with it. Lets make sure its an informed decision.

Poughkeepsie NY Building Collapse Case Study
William Childs, Deputy Chief New York State Office Of Fire Prevention & Control, New York Task Force 2
Case review of operations during a building collapse incident and extrication of a patient in Poughkeepsie, NY.

Body Entrapments & Rescue/ Recovery Operations
Aaron Peeler, Outdoor School Manager, US National Whitewater Center
Body Entrapments can be a very dangerous recovery/rescue mission. We will look at ways to identify if the incident will be a rescue or recovery. We will then dive into recovery/ rescue operations. We will complete the lecture by going outside and looking at the various rescue applications including various cinch techniques.
Heavy Rescue Essential Size-Up
Josh Pearcy, Lieutenant Oklahoma City Fire Department, Oklahoma Task Force 1 (OK-TF1)

This presentation is an instructor led power point and interactive class on the essentials of sizing-up Heavy Rescue situations. This course will give the students a process for sizing-up incidents involving over the road trucks “Big Rigs” involved in accidents in their response areas. Will address common scenarios like rear under rides, side under rides, rollovers, pin-ins, and Over rides. Goal of the presentation is to build upon the students knowledge level and develop more insight on when and how to lift, stabilize, and extricate in these situations.

Technical Rescue Accreditation Program
George Bassler, Deputy Chief, New York State Office of Fire Prevention & Control

An introduction to the new NYS Technical Rescue Team Accreditation program. Participants will learn how the accreditation process works and the steps to become an accredited Technical Rescue Team in New York State. The team self-assessment tools will be available to participants and explained in detail. Any technical Rescue team interested in the accreditation process should attend this workshop.

Hybrid & Electric Plug-in Vehicle Fire Service Challenges 2019
Ron Moore, Training Officer, Prosper Texas Fire Rescue, Firehouse Magazine contributor.

This unique 90-minute workshop presents state-of-the-art information on the many new challenges that are confronting fire, medical, and rescue responders arriving at incidents involving the latest model hybrid and electric vehicles from the LEAF to Tesla and beyond. Ron utilizes a series of case study reviews of crashes and fires involving these floorpan-mounted lithium-ion battery vehicles to give you the latest recommended protocols for safely and efficiently dealing with these vehicles.

Introduction to Collapse from a Structural Engineer’s Perspective
Andrew Schrader, Structural Engineer, Structures Specialist Florida State USAR

This course focuses less on theoretical information and more on rules of thumb, and hard-won knowledge that isn’t really covered in the books or the FEMA presentations. So, instead of showing you how to build another shoring tower, we focus more on where we might want to shore, how much load we should be thinking about, and whether we even want shoring. My goal is to get the FF’s and tech rescue crews thinking about higher-level concepts of buildings, about what is less hazardous and what types of buildings are more hazardous based on the initial cause of collapse.

It also discusses load-path concepts, about the difference in potential and kinetic energy and why we may be more concerned about buildings with more potential energy left. Also, why we should think long and hard before we even start shoring. We will learn about the types of construction we are likely to encounter during a fire or after a natural or man made disaster. Discuss types of events which can make buildings fall (fire, high wind, explosion, etc.). Discuss the varying effects which those events will have on buildings based on the type of construction. Discuss strategy for evaluating buildings during a large-scale event including Rapid Structural Triage. Review specific structural hazards based on type of construction and red flag “warning signs” to be aware of that may single impending collapse. Discuss ways to monitor and evaluate damaged structures, in order to assess their risk and where to start searching in the event of a collapse, including common collapse patterns. Briefly review types of shoring, but discuss in more detail whether or not we need shoring, the concept behind what it’s doing, and where we would want to place the shoring. Also, how much load should we anticipate the shoring will take, and quick review of available printed resources i.e. Corps of Engineers Field Operations Guide.

Man vs Machinery - Are You Prepared?
Mark Gregory, Captain Ladder Company 176, Fire Department City of New York.

Man vs Machine incidents occur all across the country. They may involve a person stuck in a piece of machinery or be as routine as a ring stuck on a victim’s finger. One must ask themselves, “are we as a department prepared to handle these incidents”? This program will introduce students to tools and methods that have been proven to be effective in rescuing victims. Case studies will be reviewed as well as the pros and cons of various tactics. Medical issues will be addressed and the importance of a strong command structure and inter-agency operations will be stressed.
Vertical Pin Rescue

**Bradley Vrooman, Fire Instructor, New York State Office of Fire Prevention & Control**

This is a hands-on Scenario Based training program for swift water rescue team personnel who may be called to extricate a whitewater kayaker trapped in a Vertical Pin Scenario. A vertical pin scenario occurs when a kayaker attempts to run a waterfall and the kayaker’s bow becomes pinned in the rocks at the base of the waterfall and with the heavy water pressure falling on them the kayaker is unable to rescue themselves or their kayak. Various shore-based techniques of getting the victim and craft on to shore will be discussed. In addition, a variety of cinching techniques will be discussed.

*Students will be operating near moving, swift water. Proper Swift Water PPE will be required.*

NIMS/ ICS for Technical Rescue Incidents

**Chuck Wehrli, Captain Naperville IL Fire Department (ret), Illinois Task Force 1 (IL-TF1)**

This class offers a review of NIMS / ICS then the class is broken down into groups to organize a TRT incident. The final incident is a multi- operational period incident expanding the ICS system.

Car in Water Rescues

**Aaron Peeler, Outdoor School Manager, US National Whitewater Center**

An in depth look at making the rescue. Stranded vehicles in water has become a common rescue scene. We are going to look at the fundamentals of car in water rescue situations. We will review scenarios, safety needs and making the rescue happen. We will watch videos of past incidents to better prepare ourselves for when it happens again.

NYS Forest Rangers Airboat Swiftwater Operations

**Art Perryman & Jay Scott, New York State Forest Rangers**

This interactive program will cover NYS Forest Rangers involvement in swift water search and rescue as well as utilizing Airboats, IRB’s, and small paddle craft in swift water environments. Presentation will include photos, videos and drone footage of swift water operation capabilities.

Rope Rescue- Back to Basics

**Tony Remming & Ryan McNaught, Quinta Ontario Fire Dept.**

This program will cover rope rescue skills taken from industrial rope access knowledge and skills. Rescue back to basics helps us to understand simple means to get a suspended patient “customer” back on the ground quickly and efficiently.

Hazmat Problems at the Building Collapse

**Joseph Gribbins, New Jersey Task Force 1 (NJ-TF1)**

A building collapse is a dynamic rescue scene that involves a variety of disciplines working together. The Hazmat Incident norm of evacuating the building and slowly figuring out the problem is not an option. While the goals are obvious, a rescuer who is thrust into the role of safety and hazmat recognition may become distracted or overwhelmed. The potential harm to rescuers from hazardous materials abound. The problem of rescuer produced CO is a large theme in this presentation and simple solutions that mitigate the problem and allow the rescuers to do their work without interruption. Simple solutions and avoidance techniques for recognized hazards are discussed and shown for the students to take back to their AHJs. Rescuers, Hazmat Techs, managers and anyone who might be told, “here, hold this meter” will benefit from this session.

Urban Flood Response

**Joseph Gribbins, New Jersey Task Force 1 (NJ-TF1)**

Flood response to urban areas can challenging to the most practiced rescue team. The physics of moving water are the same as any other environment but in town there are added pollutants, odd currents, and common infrastructures to increase the dangers. Many companies find themselves called to assist in urban areas simply because they have swift water training and a boat. This seminar will help teams anticipate some hidden hazards and provide hints on how to adjust their training to safeguard themselves.
Technical Rescue for Small & Rural Departments  
**Dr. Stephen Solomon, Owego NY Fire Department.**  
This presentation focuses on technical rescue responses for small and rural departments from the perspective of how small agencies can respond to complex technical rescues. The presenter is from a small agency and has first-hand experience in performing technical rescues utilizing the information contained in the program. Incorporated into the classroom program will be: defining Technical Rescue for differing communities, categories of Technical Rescue, equipment needs for the categories discussed and examples of rescues and problem solving for the categories.

University of Extrication “Skills Update 2019” Program  
**Ron Moore, Training Officer, Prosper Texas Fire Rescue, Firehouse Magazine contributor.**  
Ron Moore’s 90-minute University of Extrication Skills Update workshop serves as update or refresher training for fire/rescue personnel, company officers, and vehicle rescue instructors. The state-of-the-art program covers familiar vehicle rescue tasks and rescue techniques that we currently use that have to be changed or be revised due to new vehicle technology, new vehicle designs, and new vehicle features. Run-flat tires, laminated door window glass, and anti-ejection roof-mounted airbags are just a few of the many items covered in this workshop.

Participants take-away a list of these older and familiar rescue skills as well as the new technologies that are out there and learn how our extrication skills can be practiced back at their department to better prepare responders for today’s Real World challenges.

Minimal Equipment Rope Rescue  
**Bradley Vrooman, Fire Instructor, New York State Office of Fire Prevention & Control**  
Minimal Equipment Rope Rescue hearkens back to a time when rope rescues were performed using only a length of goldline rope and steel non-locking carabiners. A variety of techniques originating from military rope rescue operations will be presented, including field expedient litter evacuations, victim piggyback carries, swiss seats, carabiner brakes and rappels, super-munter hitches, releasable rappel lines, self-equalizing portugese bowlines, directional figure eights, and bowline on a coil.

Torch Operations and Maintenance  
**Brain Heft, CEO Petrogen**  
This presentation will discuss and demonstrate the use and care of the Petrogen Gasoline Cutting Torch technology and its role as a USAR Tool. Hands on demonstrations will be conducted to offer students a feel for the tool and its proper use.

High Water Rescue Vehicles  
**Joseph Gribbins, New Jersey Task Force 1 (NJ-TF1)**  
High Water Rescue Vehicles are a useful tool that are becoming very popular for flood operations. Teams are using them for transport, rescues and evacuations. These trucks come in a variety of types and just as many sources; ie: FDs, National Guard, Private companies and more. Many times, these trucks are driven by operators who are unfamiliar with the moving water environment. The weight and power of moving water can undermine roadways, open holes, create ditches and move objects unexpectedly all the while obscuring its effects.

The beginning of this seminar will show how hydrology acts on road surfaces and can destroy them. This first 20-minute section can stand alone and can be shown just before an operation. It will hopefully provide clues that the operator can use to anticipate problems. The class will then cover typical HWRV types and uses. Some problems that have plagued them will be shown and identified. It will end with a variety of “Good Ideas and Best Practices”. It is the intent of this program for the students to take it and use it to educate the operators of these HWRVs about the flood environment.
Cell Tower Rescue
Bradley Vrooman, Fire Instructor, New York State Office of Fire Prevention & Control
Cell Tower Rescue is a hands-on workshop designed to highlight the techniques utilized in “ground-up” cell tower rescues, offering various methods of establishing a high point to effect a rescue by climbing up past the victim from the ground, with no aerial assistance. Methods presented include lead climbing, double lanyard, and buck hook methods of protecting the climbing/advancing rescuer. Also addressed will be various skate block techniques designed to lower the victim diagonally away from the structure, including mid-air application of spinal immobilization devices and Arizona Tri-Bridle litter rigging techniques.

Art of the Downstream Safety
Josh Pearcy, Lieutenant Oklahoma City Fire Department, Oklahoma Task Force 1 (OK-TF1)
This hands on class looks at the skills associated with the downstream safety for a water rescue. The downstream safety needs to be more than just “a guy with a throw bag”. This class will go over sizing up the water conditions to best support operations. students will perform skills such as Rope curtain, Catch basket, throw bag techniques, and go swimming rescues for the downstream safety. This course is designed to give the student more deployable options and confidence in water rescue skills.
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**Workshop Matrix**

*All workshops subject to change.*
2019 Technical Rescue SHIRT!

**FRONT** *(LEFT CHEST)*

- White Ink on Navy Blue
- Tees, Longsleeves, and Tek Quarter Zips available
- Sizes available up to 3XL

**BACK**

ORDER ONLINE NOW!


Password: NYSTech2019

The online store will remain open until Sunday, May 12th @ 11:59pm; expected delivery May 27th.

**QUESTIONS?** Contact Jake Oreshan at bfd034@boghtfire.org

***DISCLAIMER: Wicked Smart is not responsible for back order items that are unable to be fulfilled by the expected delivery date. We will do our best to fulfill the back order in a timely fashion once it arrives to us for decoration. Items may be “in stock” at the time the store opens, but “out of stock” once the store closes. We will keep you updated on delivery status.***

**Please Note:** All sales are final. Orders are made custom per order, we cannot accept returns or exchanges.

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