



BC FIRE TRAINING OFFICERS
ASSOCIATION

CONFERENCE 2018

MAY 25-31 | SOOKE, BC

PRESTIGE OCEANFRONT RESORT

TECHNICAL RESCUE

COURSE DESCRIPTIONS

AND

FACILITATORS BIOS

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HOT WEEKEND COURSES – MAY 26TH AND 27TH

2601/2701: PLAYBOOK WORKSHOP (one day) – JIBC – Facilitated by TBD

These workshops will provide Fire Department Staff with an overview and working knowledge of the program and administration content of the Exterior, Interior & Full-Service Fire Fighter Programs.

2602: SURFACE WATER RESCUE (two days) – Dynamic Rescue – Facilitated by Steve Hutchinson and John Granander

All students should possess basic swimming abilities

In emergency response, a water rescue is defined as any incident that involves the removal of victim(s) from any body of water other than a swimming pool. This includes rivers, creeks, lakes, washes, storm drains, and any body of water whether still or moving. Surface water rescue involves the use of specially trained personnel, flotation devices and boats that are often much more enduring than those used in standard rescue. The main goal is to use the water's buoyancy to assist in the rescue of the endangered victim(s), as in most situations there is no easy way to overcome the power of the water. All of our training meets or exceeds NFPA Standards and WorkSafeBC Regulations.

Day 1: Introduction to water rescue; drowning profiles and victim types; scene assessment & size up; rescuer safety; PPE; the Ladder approach; risk vs. benefit; low-risk rescues; treatment of different patient types; swimming techniques; water entry options; rescuer defense techniques; contact rescues for different victim profiles (high-risk); handling spinal patients (rollovers); removing spinal patients on spine board; search techniques

Day 2: Introduction to boat rescue; rescuer considerations; boat limitations; boat rescues; removals; practical skills evaluation; written evaluation; and, team scenarios. This course is designed to meet the job performance requirements found in NFPA 1006 chapter 16, 2017 edition.

Required gear: set of shoes, pants and shirt for swimming in (runners, jeans or station pants, cotton shirt) bathing suit.

Preferred gear: neoprene wet suit (full body, shorty or top) or dry suit if weather is colder. DRS has dry suits available for rent.

Steve Hutchinson joined Dynamic in 2012 and brought with him extensive experience and knowledge. He is a highly qualified instructor that specializes in swift water rescue and aquatic emergencies. He has worked and instructed rescue in fast moving rivers, open water, lakes and indoor aquatic facilities for the last 20 years. Steve also specializes in technical rope rescue in both wilderness and industrial settings including tower cranes. Steve has been employed by West Vancouver Fire & Rescue since 2003. He is in an Acting Officer position as well as heavily involved with the Training Division.

John Granander joined Dynamic in 2012 and brought with him extensive experience and knowledge. He is a highly qualified instructor that specializes in swift water rescue. He has been a professional firefighter for the District of North Vancouver since 2002. He is currently an Acting Pool Officer. He is the lead instructor for the Technical Rescue team which combines Swiftwater Rescue with High Angle Rope Rescue in North Vancouver's difficult access canyons. His course background, instruction, and real call volume all add to his experience as a qualified Rescue Instructor for Dynamic Rescue.

2603/2703: LIVE FIRE CURRICULUM UPDATE (one day) – JIBC – Facilitated by TBD

This workshop introduces and reviews the changes to the Live Fire Curriculum for the JIBC. Workshop includes practical, hands on training in the JIBC Fire Safety Division Live Fire Trailer.

2604: TEAM LEADER (two days) – Facilitated by Dean Colthorp

One of the aspects of the Playbook either at the level of Exterior or Interior Operations for departments that don't have members who have a Company Officer level training is that of the Team Leader. The Team Leader program is a two-day program that allows for students to obtain the level of supervision outlined in the Playbook at the specifics of WorkSafe BC. The Team Leader course is designed for individuals who provide supervision or lead a team for which they are assigned responsibility for on the fire ground. The safety of a worker under the Workers Compensation Act (BC) and related regulations is the driving force behind the Team Leaders course. As per the Structure Firefighters Competency and Training Playbook the following competencies will be instructed and assessed during the two-day program.

Participants will be asked to bring their current Operating Guidelines, budgets and procedures and participate in discussions on how their current practices fit with the requirements of the Playbook.

Dean Colthorp is the Assistant Deputy Fire Chief with the City of Spruce Grove, Alberta with the responsibility of Training and Operations. He began his involvement with the Fire Service in 1987 as a Paid-on-Call member and later as a career member with the City of Surrey Fire Services. In 1996, Dean had the responsibility of Assistant Chief in West Kelowna British Columbia with the Westside Fire Rescue in charge of Training and Operations. He has since worked with the Fire and Safety Division of the JIBC as the Fire Fighter Program Coordinator and later the Division's Program Director. He spent time with the Langley City and City of Abbotsford Fire Rescue Services. Dean has a Fire Service Leadership Diploma from the JIBC, a Bachelor of General Studies from Simon Fraser University and an MBA in Public Administration from Columbia Southern University. He also has professional designations of Chartered Manager (CMgr), Chief Training Officer (CTO), and Chief Fire Officer (CFO). Dean is an Emergency Services Advisor with the First Nation's Emergency Services Society of British Columbia and a Past President of the British Columbia Fire Training Officers Association and is a member of the Alberta Fire Chief Association and the Canadian Fire Chief Association. He is also the Executive Director of Champions Fire College, an Executive Board of Director member for the International Fire Service Accreditation Board (IFSAB) and sits on the Board for the Achiever Foundation.

2605: RESCUE OPERATIONS FOR THE FIRST DUE ENGINE (two days) – Nobody Gets Left Behind – Facilitated by Josh Calista, James Johnson, Jake Pelk and Chad Gartrell

There are many challenging issues that face the first due company at the scene of a structural collapse. Cause of the collapse, building construction, fire and Life safety issues, available resources and personal to handle the emergency, and the level of training and expertise of first responders must all be taken into consideration. In this class we will discuss and build FEMA Interior as well as exterior building shores. Size, spacing, and placement will all be discussed. Building, search, and victim markings will also be discussed and utilized during the shoring operations.

Josh Calista has worked for the West Sacramento Fire Department for 15 years. As a Training Officer, and continuous student of the Fire Service, he has been fortunate to exchange information on the topics of Engine and Truck Company Operations, Firefighter Survival, Rapid Intervention, and Thermal Imaging Cameras. Josh participated on the committee to develop a Firefighter Survival and Rapid Intervention curriculum for the State of California. He is an Instructor at the Regional Fire Academy and a member of the Sacramento USAR Team (CA TF-7). Josh received a Bachelor's Degree from the University of San Diego.

James Johnson James Johnson is a firefighter for Vancouver Fire and Rescue Services in Vancouver, British Columbia, Canada. He is assigned to Firehouse 1 and is part of the special operations team. Before becoming a career firefighter, he spent a number of years in the construction industry and completed an apprenticeship and the technical training to become a Red Seal journeyman carpenter.

Chad Gartrell has been a student of the fire service for over 21 years and is currently a Training and Command Officer with West Kelowna Fire Rescue. Chad is a BlueCard Incident Command Instructor, ISFSI Modern Fire Attack Trainer, and has completed the Train the Trainer on fire behavior and tactical ventilation through CFBT-US. Chad is passionate about firefighter education, safety, and survival and has worked over the past decade to ensure he is staying current with the Fire Science and Modern Fire Behavior Research conducted by both UL and NIST. Chad believes that the first step in firefighter safety is understanding today's modern fire environment and applying the correct strategies to ensure incident stability, thus creating a safer environment for all first responders and customers on scene.

Jake Pelk – Bio under 2907/2917: THERMAL IMAGERS

2607: FIRE FIGHTER SURVIVAL (two days) – Nobody Gets Left Behind – Facilitated by Glen McGuire, Jeff Seaton, Darren Lee and Kynan O'Rourke

The Fire Fighter Survival course was developed in the continuing effort to reduce the number of fire fighter injuries and fatalities that occur on an annual basis. This course will supply you with a greater understanding of the need for situational awareness, fire fighter survival skills, and the technical survival skills to help you avoid committing fatal errors on the fire ground. Avoiding situations that could cause you to become lost, trapped, or injured is the best way to prevent tragedies at a fire scene. The Fire Fighter Survival course will aid in preventing fire fighter emergencies by teaching personnel to be resourceful when facing dangerous entrapment situations.

Kynan O'Rourke is the Fire services Manager for the First Nations emergency services society in charge of training for all First Nations Fire Departments in BC. FNESS is a non-profit society that is federally mandated to respond to emergencies of all types on First Nations lands in BC. We service 203 First Nations communities. Kynan has 13 years of experience with West Kelowna Fire Rescue Paid On Call, currently a Captain at Fire House 32, volunteering his time to train in the region at various regional training sessions specifically in forcible entry. The JIBC has recently accepted him as sessional instructor live fire evaluator /instructor. His mandate is to turn young firefighters into old firefighters safely.

Other facilitator bios are featured under other course descriptions:

Glen McGuire – 2906/2916 FORCIBLE ENTRY

Jeff Seaton – 2905/2915: OPS FOR FLOW PATH

Darren Lee – 3002/3102: CLOSING THE TACTICAL GAP

2608: CONFINED SPACE AWARENESS RESC-1165 (one day) – JIBC – Facilitated by TBD

This course will help the learner to be aware of the many dangers and safety issues that surround working in and around confined spaces. The student will gain understanding in what is required before any worker may be allowed to enter a confined space as well as what regulations apply to these spaces. Attention will be paid to controlling access to these spaces, hazards within, as well as ventilating and monitoring the atmosphere. This course meets the training requirements for basic and general entry operations as determined by WorkSafeBC and NFPA 1670 Confined Space Rescue Awareness Level.

2609/2709: BIG RIG EXTRICATION (two days) – Facilitated by Billy Leech Jr. and Rich Meline

You'll learn the *safest* and *most effective* techniques for heavy lifting and stabilization of big rigs involved in collisions with smaller vehicles. Travel if you dare, *Hell's Highway* and practice 'The 5 Step Discipline for Overturns and Underrides'. The program features both classroom and HANDS-ON learning. An extensive handbook is provided for reference by attendees. The intensive classroom session will provide detailed information for 'The 5 Step Discipline for Overturns/Underrides. As you travel Hell's Highway you can anticipate encountering very challenging yet realistic scenarios such as van trailer underride, concrete mixer overturn onto a smaller vehicle, van trailer overturn onto an auto, and MUCH MORE!

Attendees are expected to furnish the following **(without exception)**:

- Helmet to meet NFPA Technical Rescue Standard
 - Full length fire retardant clothing meeting NFPA Standard for Technical Rescue
 - Safety glasses or goggles to meet ANSI Z89.1+S Standard (helmet shields alone are insufficient)
 - Gloves to meet NFPA Cut Resistance and Heat Resistance Standard
 - Protective footwear, including impact resistant toe cap meeting NFPA Standard for Technical Rescue
 - Handheld light
 - Small battery-operated calculator
 - Pen/pencil
-

Anyone wishing to attend must have previous training and considerable experience in vehicle extrication. BRR™ is not an entry level training program. The skills are developed to meet NFPA Standard 1670 Chapter 6, Technician Level. The fundamental goal of BRR™ is stabilizing the larger vehicle to create a safer rescue operation. There will be no opportunities to actually cut/spread/ram the big rigs.

Billy Leech Jr. has been actively involved in Emergency Services since 1976, combining career and volunteer experience. He serves as the Senior Presenter and Planner for BIG RIG RESCUE™. Frequently he conducts training in vehicle rescue and has presented at the International Vehicle Extrication Learning Symposium, Firehouse Expo, Search and Rescue Disaster Response Conference, Fire Department Instructor's Conference, Fire Rescue Magazine's First Due Conference, American Towman Exposition, NC Extrication College, FDNY's Technical Rescue School, and many regional fire/rescue training seminars. Billy has co-authored a book, BIG RIG RESCUE®, on the topic of heavy truck anatomy and extrication.

Rich Meline is recently retired from LA County FD after 35+ years with very impressive credentials. During his tenure Rich served as a paramedic, engineer, and a member of CA TF2. For 20 years he was assigned to a fulltime USAR unit that encompassed 20 different rescue disciplines such as tunnel/mine rescue, heavy vehicle rescue, WMD, trench and structural collapse and responding to all technical rescues and multi-alarm structure fires throughout LA County's 171 districts plus mutual aid requests. During the latter 15 years Rich was assigned to USAR TF 103. The final 8 years of his career was spent assigned to Heavy Rescue 103, a 60-ton rotating wrecker. He is a Wreckmaster 6/7A/R, Crosby Rigging Trainer and lead instructor for LACoFD's Heavy Rescue Operator/Rigger training course.

2708: RAPID INTERVENTION TEAM (RIT) (one day) – JIBC – Facilitated by TBD

In this hand-on course, participants will obtain the knowledge, skills and abilities necessary to operate effectively both as a Rapid Intervention Team as well as an individual team member. Through interactive exercises the course will improve the effectiveness, efficiency and safety of the emergency personnel operating in an unpredictable emergency environment. This course will assist Rapid Intervention Teams, emergency departments and individual personnel in meeting legal and jurisdictional responsibilities.

KEYNOTE & PLENARY SPEAKERS

KEYNOTE SPEAKER – WHERE WE COME FROM: PRESERVING AND INFLUENCING FIRE SERVICE CULTURE – Benjamin Martin

The fire service is currently at a series of crossroads. You can find at any firehouse table people passionately debating the importance of higher education versus trade skills, the Millennial generation who many believe are "ruining" the job, and relevance of SLICERS to the fireground. Leadership has a responsibility to intelligently pass on our culture to our newest members, but with so much change, have we lost sight of what that looks like? While change can invite and usher in innovation it can also create a tension in our organizations, and a space where incumbents fear becoming irrelevant. If this happens we risk losing the common sense, historical perspective and value they offer our organization and teams. Perhaps worse, we are inviting these folks to become toxic and disengage from our progress. In this class, we discuss the importance of understanding culture, and when change, especially from tradition is necessary—and when

it's not. This presentation entertainingly discusses culture's ability to influence our beliefs, values, attitudes, perceptions, traditions, and mission. Leaders at all ranks are welcome for an honest discussion on how to move the fire service we know and love forward without forgetting where we come from.

Benjamin Martin is a Lieutenant with the Henrico County Division of Fire, currently assigned to the training section. He has over fifteen years in public safety and speaks throughout the country on leadership. He has written leadership articles for Fire Engineering, Fire Department Training Network (FDTN), International Society of Fire Service Instructors (ISFSI), Firefighter Toolbox, and Firefighter Wife. He has also worked extensively for years with the Virginia Fire Officer Academy and is also a founding member of the Central Virginia Public Safety Academy. He has a Bachelor's in Fire Science and a Master's in Public Administration. Benjamin is also the owner and operator of the leadership training featured at www.EmbraceTheResistance.com.

PLENARY SPEAKERS –

10 RULES FOR LEADERSHIP SUCCESS – Les Karpluk

Chief Karpluk retired from the Prince Albert Fire Department with over 3 decades of service in February 2014. In 2009 Les was given the honor to be recognized by the Canadian Association of Fire Chiefs as the full time career chief of the year. In January 2018 Les became the Waskesiu Fire Chief for Parks Canada and along with his Chief duties he continues to speak about fire service leadership at conferences across Canada and the U.S including the Smoky Mountain weekend in Tennessee, FDIC Atlantic, and both Firehouse Expo in Nashville and Firehouse World in San Diego. Les currently teaches for the Justice Institute of British Columbia, Dalhousie University and Lakeland College. In April 2014 Les coauthored "Leadership Prescribed: A Handbook for Fire Service Leaders" with Fire Chief Lyle Quan and in January 2018 Leadership Prescribed 2.0 was released. Chief Karpluk is passionate about talking about leadership and working with existing and up and coming fire service leaders so they are able to take their leadership and the profession to the next level.

Dr. Allan Holmes founded Iridia Medical in 1998 under the name Global Medical Services, with a goal of assisting clients to bring AEDs into their workplaces and has led the expansion of our services ever since. As founder, Allan continues to bring his 25 years of experience in the field of emergency and pre-hospital medicine to support all the business lines at Iridia. As an early pioneer in AED program implementation, Allan remains passionate about improving access to these life saving devices. As an accomplished educator and course development expert, he uses his extensive teaching experience to guide the delivery of the highest quality education programs by our Iridia instructors. Allan continues to innovate in the field of remote and rural care delivery as a key member of our Paramedic physician team. As a respected member of the pre-hospital care community, he remains a strong advocate for the improvements in patient care delivered by fire departments and ambulance services alike. Finally, as a leader in the emerging field of physician engagement, he assists Health Authorities and physician leaders in working together toward common goals.

Allan completed his specialty in the field of Emergency Medicine in 1993 and worked for 12 years as an emergency physician at one of BC's busiest tertiary hospitals, Royal Columbian Hospital. In 1999, he led the implementation of one of BC's first workplace AED programs at Harmac Pacific in Nanaimo and now oversees over 450 programs across BC and Canada. Allan was the first physician in BC to develop and implement a direct physician access care model which is the key differentiator of Iridia's Paramedic Program. He provided the physician leadership and engagement skills to the successful opening of the Jim Pattison Outpatient Care and Surgery Centre, the first of its kind in Western Canada.

CONFERENCE COURSES & PRESENTATIONS – MAY 29TH – 31ST

2901: INTOXICATED LEADERSHIP: HOW TO AVOID LEADING UNDER THE INFLUENCE OF YOUR EMOTIONS (one day) – Facilitated by Benjamin Martin

Traditional leadership classes often trick us into thinking that we can resolve conflict in a ten-minute conversation. In reality, leaders may never be able to secure a buy-in from the employee. Intoxicated Leadership illustrates why the body responds to conflict the way it does, be it on the fireground or in the firehouse. Using this information, we will discuss at length how leaders can create favorable circumstances to assist in constructing and having a difficult conversation. Participants will receive an overview of emotional intelligence, and real-world tips that can be applied immediately to assist leaders in having easier and ultimately more productive conversations.

2902/2912: LEADER OR BYSTANDER (½ day) – Facilitated by Les Karpluk

This program is designed to be blunt and honest about taking leadership seriously and impacting the Fire Department for the better.

2903: MANAGING THE FIRE GROUND – A FIRESIDE DISCUSSION (one day) – Facilitated by Wayne Humphries and Randy Hebenton

This Fireside Chat is a highly interactive discussion revolving around the all-important Command Decisions that must be made in the first few minutes on scene of a structure fire. Included are the critical issues of size-up, risk analysis, fire behaviour, smoke conditions, building construction, and strategic & tactical decision making. With an understanding of these critical issues we'll look at the considerations in developing an effective incident action plan that will address firefighter safety as well as achieving effective incident stabilization. These discussions will challenge your assumptions about the role of the IC – what it is, the responsibilities, and how to carry out the function. These interactive discussions will also engage in the misunderstandings around the standards and requirements for a RIT and the associated training required to fulfill that role. Having attended the recent UL PPV study in Chicago, the discussions will also attempt to clear up some of the mystique around the strategic goal of “ventilation”, allowing the participants to gain a better and more thorough understanding of the tactical objective of positive pressure ventilation – PPV, along with an appreciation and understanding of some helpful teaching processes.

Wayne Humphry is a 39-year veteran of the fire service, Wayne retired from the Vancouver Fire & Rescue Services after a 31-year career serving in fire suppression as Lieutenant, Captain and Battalion Chief. He also worked extensively with Vancouver Fire's training division as an Instructor, Training Officer and Division Chief. Based on his work in both roles he has extensive experience in fire rescue emergency operations, specialty teams, training and development, facilitation, and project creation and management. He is passionate about building superior expertise amongst the fire service and fire officers in particular; a hands-on fire and rescue practitioner; an experienced trainer and facilitator, he pursues his goals with energy and determination. Since the introduction of positive pressure ventilation fans to the Vancouver Fire and Rescue Services (approx. 1990), Wayne has been passionately involved with developing an understanding of this new approach to the strategic goal of Ventilation along with the implementation of the tactical techniques of

Positive Pressure Ventilation (PPV); and continues to share these years of expertise with many other fire departments. Wayne has developed in-house Officer Development seminars including ProBoard accredited programs for various career fire departments throughout the province. He is also very active in working with volunteer/POC departments and regional districts, enhancing the skills of officers and firefighters in rural areas with customized, locally delivered training and education. His subject expertise includes Fire Officer Level 1, 2 and 3 programs – Emergency Incident Management (BCERMS/ICS, Command Post operations, fire behaviour, strategies and tactics, communications and personnel accountability); Fire Service Instructor; Incident Safety Officer; Rapid Intervention Teams; and Live Fire Exercises Levels 1, 2 & 3. In addition to many career and paid-on-call departments throughout BC, he has also recently delivered emergency incident management and strategies & tactics training to the Calgary Fire Department in Alberta, and Winnipeg Fire Department in Manitoba. Wayne is a member of the Retired Fire Chiefs Association of BC.

Randy Hebenton is a 39-year veteran of the fire service. Randy retired from the Vancouver Fire and Rescue Services after a 35-year career serving as a Battalion Chief after many years as a Lieutenant, Captain and Training Officer. He has worked extensively with training for the department in the New Recruit program, Company Officer and Battalion Chief training programs as well as other specialty disciplines. Randy is a lead instructor for FireWorks Consulting Inc. and has also been an adjunct instructor with the Justice Institute of BC in their Fire Officer Development, Strategies & Tactics, Live Fire and RIT programs. Randy has instructed for many other fire departments throughout British Columbia, Alberta and Manitoba, along with conducting training for Firefighters & Fire Officers from Saudi Arabia as well as coaching emergency planners from China. He has also served on the VFR&S recruitment panel conducting interviews for career applicants.

2904: TRAINING OFFICER (½ day) – BCFTOA – Facilitated by BCFTOA Executive

This session is being facilitated by the BCFTOA Executive. It is designed to assist new Training Officer's begin their new role.

2914: MAXIMIZE YOUR TRAINING BUDGET (½ day) – JIBC – Facilitated by TBD

Fire Departments training budgets are constantly being fiscally challenged and Fire Chiefs are always looking for innovative ways to cut costs while maximizing their training potential.

This presentation will identify how fire departments commonly deliver their training as well as explore innovative strategies that will enable you to reduce your spending while still being able to deliver regular noncertified training as well as JIBC accredited training.

2905/2915: FIREGROUND OPERATIONS FOR TODAY'S FLOW PATH (½ day) – Facilitated by Jeff Seaton

This class will review and or introduce participants to the latest evidence-based dynamic fireground. This highly based interactive class (if you are shy best not set foot in the class) will include all aspects of a fire incident from Command to Tactical and Task level actions/considerations. From Fire Fighters to Chief Officers, all participants will be informed and educated on working in and around today's fireground. Class

content will include pre-arrival, arrival (on scene reporting) to fire attack, search and rescue of civilians as well as all support functions that must be completed on the fireground. Come prepared to discuss and challenge the instructors beliefs, your beliefs and your peers beliefs about today's fireground.

Jeff Seaton has been a professional member and student of the fire service for over 26 years in the United States and Canada. Jeff is the Assistant Chief of the UC Davis Fire Department, formerly with City of San Jose and District of North Vancouver Fire Departments; in 2016 he received the Ed Bent Award as the Fire Service Instructor of the Year for the state of California. Jeff is a California Certified Fire Officer in California and Fire Officer 2 in British Columbia. He has instructed at multiple Firehouse Shows, FDIC, BCFTOA Symposiums, Fire Nuggets and International training symposiums. In 2008 he traveled to Vietnam to review their current fire ground operations, training, tools and equipment and to make recommendations towards improving their Fire Service. He possesses a B.A. in Physical Education and is a former ISFSI Western Regional Director. The three most precious things in life to him are his wife Jessica, his son Joshua and his daughter Mia.

**2906/2916: RESIDENTIAL SEARCH, Facilitated by Josh Calista
FORCIBLE ENTRY (½ day combined), Facilitated by Glen McGuire**

RESIDENTIAL SEARCH: Life Safety & civilian Rescue are consistently touted as a priority at every fire incident. How often have our Firefighters actually tested their proficiency at searching, locating, and removing occupants from buildings under adverse conditions? The interactive session will encourage discussion on the topics of: Oriented Search and the often misunderstood or mis-applied tactic of VES (Vent, Enter, Search). In the event that a civilian victim is located and must be removed from the building, we will offer techniques to efficiently perform the Rescue operation. This class will challenge participants to match expectations with reality, creating a more efficient and effective search firefighter.

FORCIBLE ENTRY: The ability to gain entry into an emergency scene quickly, in a manner that saves the owner time and money when the incident is over, is a skill that brings Fire Department's a great deal of public favor. Knowing when, where, and how to open a vertical surface is a skill that needs constant honing and attention. This interactive class will discuss the basic concepts of tool safety, tool choice, and entry techniques. Firefighters will have to continue to practice and review the information given to stay on top of this skill.

Josh Calista bio under 2605: RESCUE OPERATIONS FOR THE FIRST DUE ENGINE

Glen McGuire started his career in the fire service back in 1982 with the Half Moon Bay FPD, a small two station paid / volunteer department. His last few years he had promoted to CA and was the assistant T/O for his shift. In 1991 he joined the San Jose FD and in 1996 was promoted to the position of Captain. Since that time, he has been involved in many forms of training. Glen was the departments lead instructor for FF Survival, RIC Operations, and Forcible Entry. He also assisted with Search and Rescue, Hose Ops, and Thermal imaging training. Glen recently retired from the SJFD in Nov. of 2015. Glen is also a founding member of the Nobody Gets Left behind training group (NGLB). NGLB has been providing training classes for the Fire Service throughout the United States and Canada for many years.

2907/2917: THERMAL IMAGING CAMERAS (½ day) – Facilitated by Jake Pelk

Thermal Imaging Cameras (TIC) have been in the Fire Service for over 30 years, yet many in today's fire service have limited exposure to techniques that can be integrated into everyday use at the Firehouse. This awareness course is designed to assist all members of engine and truck companies that may use thermal imagers. The course emphasizes the use of good scanning techniques including the various skills needed for safe operations. We will explore TIC Operations and leave the student with a solid understanding of strengths and weakness of this valuable tool.

Jake Pelk has been in the fire service for over twenty years. Jake started his career as a volunteer in Boulder Creek, CA in 1992 and was promoted to Fire Captain in 2009 at Central County Fire Department in San Mateo County. The Central County Fire Dept. protects the Cities of Burlingame, Milbrae and the Town of Hillsborough. In 2010 Jake was assigned to the Central San Mateo County Training Division on a 40-hour week. The Division serves Foster City, San Mateo, Central County, Millbrae and San Bruno. Jake has been very active in the development and implementation of the San Mateo County RIC policy. He served as a Co-Chair for the RIC/FF Survival subcommittee for the California State Fire Training re-write and is also a LARRO instructor. He began teaching thermal imaging classes in 1998. He co-founded the '*Nobody Gets Left Behind*' Training Group and is currently the Director. In November of 2010, the California Training Officers honoured Jake with the "Ed Bent" Award (California Instructor of the Year). Seeing the need to innovate, Jake started a new venture in 2014 called WolfPack Solutions to assist Fire Service professionals with their tech needs. Jake has served as the 2nd Vice President for the Cal Chiefs Northern California Training Section and currently the Area 7 Director. Jake is also serving as a FEMA Search Team Manager (California Task Force 3), Husband, and most importantly, father of two girls (EvaMarie and Mary Klaire).

2908: CONFINED SPACE RESCUE - OPERATIONS (two days) – Dynamic Rescue – Facilitated by John Kenyon and Colin Anderson

Confined space rescue is a subset of technical rescue operations that involves the rescue and recovery of victims trapped in a confined space or in a place only accessible through confined spaces, such as underground vaults, storage silos, storage tanks, or sewers. Confined space rescues can be technically challenging due to the environment in which they occur. Confined spaces are often narrow and constricting preventing easy access by rescuers. They are usually either unlit or poorly lit so rescuers must provide their own light source. Finally, confined spaces often contain unknown hazardous materials in liquid or gas form which can be harmful or fatal to humans. These hazards can be fatal as they create a limited window in which to perform a rescue. The general rule is that without oxygen, a person in a confined space will likely suffer asphyxia resulting in either brain damage or death. The urgent need to rescue someone from a confined space often leads to ill-prepared rescue attempts. Two-thirds of all of deaths occurring in confined spaces are attributed to persons attempting to rescue someone else.

The Operations level includes team-building working towards a systematic approach to Confined Space Rescue. Participants will gain the skills and knowledge to conduct rope-based rescue operations in a variety of confined space environments. Rope based rescue systems will be utilized emphasizing the selection, construction, and proper use of these systems in the industrial environment. Students will gain practical

experience in the use of communication systems, resource material, patient packaging devices, atmospheric monitoring equipment, air sampling strategies, and strategies/tactics for successful emergency entry operations. Participants will operate as an integral part of a team environment and will be directed and monitored by instructors acting as team leaders. Students are given written, individual proficiency and practical evaluations. This course meets or exceeds NFPA 1006 and 1670 and is in conformance with CSA and WorkSafeBC Standards.

John Kenyon is one of the original founders of Dynamic Rescue Systems with over 40 years in the fire service and more than 20 years in development and instruction in Confined Space Rescue. John has been a member of the Validation Committees for two International Fire Service Training Association (IFSTA) training manuals. He is also a Technical Committee Member of the Canadian Standards Association. He is a highly qualified instructor in numerous disciplines including SCBA, Auto Extrication, Fire Officer, Firefighter Pre-Employment program, Live Fire, Technical High Angle and Technical Confined Space.

Colin Anderson joined Dynamic in 2014 and is a reliable member of the team. He has been a professional firefighter with Victoria Fire Department for 12 years. He has been a part of the High Angle Rope Rescue team with Victoria Fire since 2008. He has also instructed FR3 for 4 years and is currently entering the marine team with Victoria.

3001: FLAT ROOF FIRES (one day) – Facilitated by John MacDonald

The course will include a video presentation based on apartment fires attended by Captain Macdonald. The presentation also highlight building construction, fire behavior in the roof space tactics for fighting apartment fires, reading smoke and limiting water damage. The presentation also includes discussions on:

- Tools required
- Operational Guidelines
- Dimensional lumber vs. engineered joist (TGI); Modern vs. Legacy Structures
- Modern Fire Suppression systems pertaining to NFPA 13 and 13R
- Studies related to this topic
- Review of recent NIST and UL material that supports the information
- Supporting building occupants
- Salvage and overhaul

John Macdonald has been a Coquitlam Firefighter for the past 24 years. He was promoted to Training Captain in 2011 and spent 4 years as a Field Trainer. In 2016 he received the BCFTO “Trainer of the Year” award. He is currently working as a Captain in Suppression. John attended Simon Fraser University obtaining his Bachelor of Arts Degree while playing five seasons of Clansmen Football. In 2011 he obtained his Master’s Degree in Disaster and Emergency Management from Royal Roads University and has recently finished his Fire Officer Certificate (FO 1, 2, 3 and 4). He is also certified to instruct and evaluate Structural Collapse Level 1 and 2, Fire Service Instructor 1 and SPP-WFF 1 (Wild land Firefighting). John has recently written an article for Fire Engineering Magazine (March 2016) titled “Flat Roof Fires in 3-6 Story Apartment Buildings”. His interest in this subject, stems from actual experience gained at several major fires that occurred in the City of Coquitlam over the past several years. Areas of interest include development of High Rise, Auto Extrication, First Responder, Recruit and Auxiliary/Volunteer training programs.

3002/3102: CLOSING THE TACTICAL GAP – The Role of Strike Team/Task Force Leaders and Division Supervisors in the WUI (½ day) – Facilitated by Darren Lee and Chad Gartrell

Incident Commanders cannot safely and effectively manage large dynamic WUI events on their own. In order to maintain command and control they must decentralize their command. How do we organize our resources to best meet the challenges of a WUI event? How do we ensure that those same resources are provided the leadership required to maximize safety and effectiveness?

Informed and empowered subordinate leaders "Tactical Bosses" lead from the front, maintain situational awareness, anticipate operational needs and act decisively. Tactical Bosses lead up and down the chain of command, communicating with other leaders and the Incident Commander. They foster a spirit of cooperation between municipal firefighters and wildland firefighters that brings out the best in all of us.

Based on practical experience that is backed by the latest NWCG S215 Curriculum; Learners will be exposed to best practices for establishing decentralized leadership within a WUI incident. This brief program will utilize case studies, group activities and guest speakers. Learners will develop key takeaways for their own organization. The intent is to stimulate conversation as to how the municipal fire service can better train, prepare and organize for WUI incidents. The following key learning areas will be covered:

- Organization and Deployment
- Incident Action Plans and Operational Briefings
- Triage and Structure Protection
- Strategies and Tactics
- The First Operational Period

Darren Lee has been a student of the fire service for over 24 years. He began his career as a paid-on-call in North Cowichan, worked in Surrey for over 10 years before he moved to assume a training officer role with West Kelowna in 2007. Darren has had a keen interest in WUI operations throughout his career. He has been fortunate enough to be exposed to excellent Wildland training, WUI training and operational experiences throughout Canada and the United States. As a command officer with West Kelowna Fire Rescue, Darren continued to gain operational experience in the Wildland and WUI disciplines. Working in the Okanagan provided him the opportunity to work on several notable WUI incidents and serve with amazing firefighters from the municipal and wildland communities. Darren has recently joined the Oak Bay Fire Department as the Assistant Chief responsible for training. He is a BlueCard Incident Command Instructor and works as an Adjunct Instructor for the COTR and JIBC.

Chad Gartrell – Bio under 2605: RESCUE OPERATIONS FOR THE FIRST DUE ENGINE – NGLB

3012/3101: ELEVATOR RESCUE (½ day) ESI Elevator Solutions Inc. – Facilitated by Glenn Zolnierczyk

The elevator rescue course material presented in these seminars will be based on the ASME A17.4-2015 – Guide for Emergency Personnel which has been endorsed by Technical Safety BC (formally BC Safety Authority).

A summary agenda is provided below:

- Emergency Evacuation - Background
- Elevator Basics
- Rescue Procedure Steps
- Firefighters Operation Phase I & II

Each seminar will cover areas on:

- How to recognize hazards and mitigate those risks when operating around elevator equipment.
- Procedural steps for the safe removal of people that are trapped in elevators as outlined in ASME A17.4-2015
- Elevator Basics, Types of Elevators and Terminology
- Elevator Firefighter's Operation Phase I & II

With the use of elevator props, we will assist with applying the techniques learnt during the class including for the safe unlocking of elevator doors, elevator rescue training and understanding Firefighters Operation.

Glenn Zolnierczyk CEI, PMP® is the President & CEO of ESI Elevator Solution Inc. and ESI Elevator Rescue. He has over 35 years of industry experience and is currently a member of the North American Elevator Safety Authority (NAESAI) as a Certified Elevator Inspector. Glenn is also a Project Management Professional with the Project Management Institute. ESI Elevator Solutions Inc., is an independent elevator consulting company that provides professional services and first responder training to a variety of industries and trade organizations throughout Western Canada. ESI Elevator Rescue's mission is to give first responders the knowledge and skills they need to rescue people who are involved in elevator emergencies. We accomplish this goal through customized, hands-on training sessions in the classroom and on-site. Glenn is also a current member of the BC Fire Training Officers Association (BCFTO) and the Canadian Elevator Contractors Association (CECA). Over the past 18 months, Glenn has conducted more than 50 sessions and trained over 500 first responders in elevator rescue and firefighter operation. Glenn loves training elevator rescue and is excited to bring his experience to all members of the Firefighting industry.

3003: ELECTRICAL SAFETY (½ day) – BC Hydro – Facilitated by Paul Williams

What you'll learn: As a first responder, you often find yourself facing electrical hazards in emergency situations. Our free online electrical safety training will help you evaluate risks and make decisions to keep yourself and the public safe.

- The basics of how electricity behaves
- How to spot overhead and underground hazards
- Safe distances and the risks of stepping and touching
- What to do if equipment has contacted a power line
- What to do if there is a downed power line
- How to move people out of areas energized by a downed power line
- Additional [electrical safety training](#) to address electrical hazards faced when using equipment

What you'll receive: Certificate of completion for BC Hydro's electrical safety training for first responders. An additional certificate for taking the supplemental BC Hydro's electrical safety training for fire fighters.

3013: RESPONDING TO NATURAL GAS EMERGENCIES (½ day) – Fortis BC – Facilitated by Ian Banfield

These programs meet the requirements outlined in the [British Columbia Fire Service Minimum Training Standards – Structure Firefighters Competency and Training Playbook](#). The programs include videos and discussion guides that support facilitators teaching first responders about the basic properties of electricity and natural gas, and how to approach emergency situations safely. *Responding to Natural Gas Emergencies* is a course we created in partnership with the Canadian Gas Association and Canadian Association of Fire Chiefs, to provide safety information for first responders. This course will be provided to all fire training officers upon request. It includes a discussion of the properties and behavior of natural gas and how it's distributed, as well as interactive sessions using video scenarios of emergency response situations and procedures.

Ian Banfield has been with FortisBC for 20 plus years. Currently, in his role as a Crew Leader/Trades Trainer Ian divides his time between working on the high-pressure mains and training FortisBC employees across the province in various competencies. Ian teaches gas awareness to a number of fire departments throughout the CRD and to various stakeholders on Southern Vancouver Island. Ian is a Captain with the Central Saanich Volunteer Fire Department where he has served his community for the past 9 years. He is part of their Critical Incident Stress Management Team and is a Technician on the CRD Hazardous Materials Team. During Ian's free time you will find him coaching soccer and riding his trials bike on which, he competed nationally.

3004/3014: SCBA AIR MANAGEMENT (½ day) – Facilitated by Chris Geiger

This ½ day introductory program will discuss factors that affect air management, the Rule of Air Management (ROAM), Work/Rest cycles, emergency air conservation, and air management for RIT. It will conclude with a discussion on training priorities and implementation techniques for Training Officers.

Chris Geiger has more than 10 years in the Fire Service and currently serves as Captain with Ladysmith Fire/Rescue, a Paid-on-Call department on Vancouver Island.

3005: AIR MONITORING & DETECTION (one day) – Facilitated by Scott Philp

The course will focus on monitoring and detection and the importance of truly understanding how detectors (primarily the 4 gas and PID) function, determining correction factors based on the calibration gases that are being used, and when and how to apply them to your response. The goal is to increase understanding across fire services and industry, when it comes to this field as there is a great deal of crossover between Hazmat and confined space rescue with respect to air monitoring.

Scott Philp is a retired Acting Battalion/Captain from Delta Fire Rescue Services after 33+ years of service. Being an Acting Training Officer in the department, he was seconded from the floor to oversee the development of Delta's Hazardous Materials Response Team in 2004. He functioned in a lead role in this specialty, until retirement. During this time, as requested by Delta Fire, he also became an instructor with the JIBC, focusing on NFPA 472 delivery of Awareness, Operations, and primarily Technician, so as to aid in the delivery of these courses "in House". He is also an instructor with the Fire Officer program, instructing 'Emergency Scene Management', as well as, 'Strategies and Tactics'. He currently travels coast to coast delivering Hazmat courses, with a focus on monitoring and detection.

3006: INCIDENT SAFETY OFFICER – TECHNICAL RESCUE NFPA 1521 (two days) – VIERA – Facilitated by Dan Murphy

The fire service has evolved from a service that responds only to fires to a service that provides rescue and resources for just about every crisis imaginable. If we're going to provide technical rescue services in our communities, we must first provide our safety and chief officers with the proper training and resources to successfully mitigate any safety issues on these calls.

Prerequisite: NFPA 1021 Fire Officer 1 (to receive certification and to be registered on the National Pro Board Registry)

Objectives: By the end of this session, the learners will be able to understand:

- Contributing factors to early injury and death
 - Hazard identification
 - Manage the transfer of ISO duties
 - ICS
 - Monitor the IAP, conditions and operations
 - Monitor the accountability system
 - Critical decision-making
 - Determine the need for technical rescue ISO
 - Identify technical rescue resources needed
 - Risk management principles
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3103: TOO HOT FOR TOTS! (½ day) – Facilitated by Frances MacDougall

Too Hot for Tots! is an evidence based, early childhood injury prevention program. This workshop is geared to Early Childhood Educators who work with families with children aged 0-6. During this 3-hour workshop front-line educators will:

- Learn about the common cause of burns and scalds in the home.
- Receive a Too Hot For Tots! Tool kit containing educator and caregiver resources for their centre.
- Receive instruction on how to implement Too Hot for Tots! Program in their community setting.
- Receive a professional development certificate upon course completion.

Frances MacDougall is a registered nurse and mother. After working on the Burn Unit at BC Children's Hospital for over 18 years and hearing parents and caregivers say they were not aware of the burn hazards in their home or how seriously their child could be injured, Frances developed the Too Hot for Tots! Program. Over the past two decades, Frances has presented at local, national and international conferences sharing her unique knowledge and understanding of this issue with parents, educators and special interest groups.

**3104: NALOXONE TRAIN THE TRAINER (½ day) – BC Emergency Health Services (BCEHS) –
Facilitated by Anna Chayba**

To provide guidance and direction for firefighter first responder trainers on the delivery and administration of Naloxone to patients with suspected or confirmed opioid overdose. Discussion will also include updates to BCEHS Spinal Guidelines.

Anna Chayba is an Education Officer/Advanced Care Paramedic with BCEHS