

2019 COLORADO SEARCH AND RESCUE CONFERENCE



TITLE OF PRESENTATION/TOPIC	DAY	PRESENTER	AGENCY OR RESCUE TEAM AFFILIATION	PRESENTATION DESCRIPTION
Evacuation techniques for small rescue teams – PikeNPivot with litters	Friday	Martin Barnett, Matt Giasson & Brian Taylor		Edge negotiations with a litter are not easy. Learn new skills and techniques of how to pivot your litter with a clean movement and have your mission ready to continue.
Avalanche Transceivers: How to Be Better with Your Device	Friday	Dale Atkins/ Scott Messina	Alpine Rescue Team/ Mountain Rescue Aspen	Avalanche transceivers are the best tool to find your friend quickly. Are you good enough? Whether novice or advanced, join us for hands-on learning to improve your knowledge, skills, and abilities.
The Future of SAR in Colorado (CSAR)	Saturday Keynote	Jeff Sparhawk	Colorado Search and Rescue, Front Range Rescue Dogs, Inc., Rocky Mountain Rescue Group, Inc.	Is the current SAR model in Colorado sustainable? Do you understand the structure of SAR in Colorado? Do you want to be part of the future of SAR in Colorado? CSAR has chosen to proactively engineer our future. Many within CSAR are tackling the most important questions that must be answered to develop goals and plans for the future of SAR in Colorado. This discussion will cover from the foundations to the aspirations of SAR. Your understanding of these issues and your opinions are vital to all of us.
The Historic Avalanche Cycle of March 2019	Saturday Keynote	Ethan Greene	Colorado Avalanche Information Center	Events of the 2018-2019 avalanche season led to a historic cycle in early March. The cycle was unusual in that it produced very large avalanches over a large portion of the Colorado mountains. There were many events with a 30-50 year return, some in the 70-100 year return, and several estimated to have a 100-300 year return. This presentation will review the cause of the cycle and some of the most significant activity
“I’ve fallen & I can’t get up”: Flying Severe Pelvic & Abdominal Injuries	Saturday Breakout Session A	Chelsea Hetzel	FFL	Flying severe pelvic and abdominal injuries, and what FFL has to offer: blood, critical care training and speciality skill sets, to the back country, field and scene calls. What SAR can expect and prepare, pre-flight, to contribute to positive outcomes.
Colorado SAR Communications	Saturday Breakout Session A	Scott Whitehead	CSAR Communications Committee	SAR in Colorado often involves both conventional VHF FM communications and 800 MHz digital radio including the more complex CCNC digital trunking system which covers Colorado. We will cover the use of both radio bands for SAR use and interoperability with other public safety disciplines. Time will also be allotted for questions and answers.
Hoist Rescue – Tier 1 Review	Saturday Breakout Session A		Colorado Hoist Rescue Team	A high level review of the Colorado National Guard hoist rescue program, and what you need to know if you participate in it.
Pediatric Cardiac Arrest: Understanding a Thing or Two	Saturday Breakout Session A	Gina Scarbrough	FFL	Getting a call for an injured or ill pediatric patient can be challenging in itself, but more concerning when you hear “CPR in Progress”. This is a case review presentation of critically ill pediatric patients in remote and urban areas. Discussion will include basic management of the pediatric cardiac arrest patient.
ROV (underwater UAV) Talk	Saturday Breakout Session B	Mark Watson	Summit County Sheriff’s Office	The Summit County Sheriff’s Office and the Summit County Water Rescue Team have developed and implemented a 4 phase water search system using dogs, Underwater ROV, Sonar and divers. Having an understanding of the resources available and how an underwater ROV and Sonar play a part of the intergal underwater search, will assist with your SAR Team or Sheriff’s Office decision making when dealing with Lake Drownings.

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Helicopter Risk Management Made Easy	Saturday Breakout Session B	FFL Pilot (pilot perspective), Chad Miller (FFL medic perspective), Charley Shimanski (rescuer perspective)	Flight For Life/ Rescue Team	A discussion of key helicopter risk management components, including: 1) Decision-making in the use of helicopters in SAR 2) Green Amber Red – Risk Management for knowing when I REALLY should call a helicopter and 3) Briefing by a pilot on what he looks for in an LZ, approaches, helicopter ops in general
The Hemorrhaging Patient who requires Prolonged Field Care: Crystalloid, Colloid, Blood or ?	Saturday Breakout Session B	Dr. Mike Brunko	FFL	We have been aware of treatment experiences and evidence from the military in regards to the hemorrhagic trauma patient, dating back to WWI. Unfortunately, we have been slow to apply the benefits to injured civilian patients, despite the evidence available. We will discuss why this has occurred and recent evidence and options that we have available, and consider how past “standards of care” may have been harmful.
Airway Lab (hands on lab)	Saturday Breakout Session B	FFL Crew	FFL	Come learn how to use multiple airway devices and techniques to care for your patients!
Improving Avalanche Rescue: Extreme Teaming – Ski Patrol and SAR working together	Saturday Breakout Session C	Dale Atkins	Alpine Rescue Team	Ski patrolling and mountain rescue are two different cultures, yet efficient avalanche rescues require collaboration. Learn four new leadership functions to bring rescuers with different backgrounds and organizations together to practice “extreme teaming” to solve complex problems as a high performing, albeit temporary, team.
Navigation with GPS – Things you should do before going into the field	Saturday Breakout Session C	Bruce Beckman	Alpine Rescue Team	This 50 min session will address frequent points of confusion when using GPS. Will cover: 10 must do things, impact of datum shifts, use of tracks, track back and route planner. Will also discuss various things that can affect reliable GPS reception.
Junctional Packing	Saturday Breakout Session C	Dave Nixon	FFL	With preventable deaths from extremity hemorrhage greatly reduced by tourniquet use, junctional hemorrhage has surpassed extremity hemorrhage as the leading cause of death from external hemorrhage. Junctional hemorrhage control stops bleeding from sites where regular tourniquets cannot be applied such as the groin, pelvis, buttock, shoulder or neck. The added benefits are being small, low profile and low cost.
Humblers – Medical Rescue	Saturday Breakout Session C	TBD – Joint session 30 minutes accidents, 15 Q&A	Flight for Life and Pikes Peak Medical Task Force	Action-packed discussions of unexpected events in patient care that have humbled experienced EMS providers, and what we learned from it.
Breaking into tight lines/ belayer, adding ropes and lowering subject	Saturday Breakout Session D	Martin Barnett, Matt Giasson	Martin Barnett (Alpine Rescue Team & PMI/VRS), Matt Giasson (PMI/VRS)	When you come across a belayer with a hurt climber who can't be lowered down, the first step is to remove the belayer and secure the rope. This session will teach you how to complete the task in a simple, safe and efficient manner.
Humblers – Aviation (calls when something went wrong)	Saturday Breakout Session D	TBD – Joint session 30 minutes accidents, 15 Q&A		Accidents and Near Misses – A profile of numerous helicopter rescue accidents, and lessons taught by the event.

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Out of the Fire: Hands on for practicing burn care, CO poisoning, and respiratory emergencies from smoke exposure (CLASSROOM)	Saturday Breakout Session D	Kat Pedersen (Cripple Creek Fire Department) with Jeremy DeWall	CCFD, FFL, PPMTF	Learn how to interact, support and be safe in a wildland fire or campfire gone wrong scenario. This training will also prepare you for care of patients with burns, carbon monoxide poisoning, and respiratory emergencies in the austere environment.
Pelvic Hemorrhage Control Skills hands on	Saturday Breakout Sessions D and E	FFL Crew	FFL	Hands on skills
Off-Road, Rescue, Recovery Emergency Support	Saturday Breakout Session E	Matt Radder	Colorado 4x4 Rescue and Recovery	Colorado 4X4 Rescue and Recovery specializes in vehicle recoveries on Forest Service roads and 4x4 trails throughout Colorado. Its SAR Emergency Support Team can assist SAR teams and state emergency managers. This session presents the organization's capabilities including vehicle-based large-area searches, transport of SAR personnel and communications support.
Technology in SAR (mapping, comms, FFRS, APS, MLA, Gaia)	Saturday Breakout Session E	Discussion panel – FFRS, Lifeseeker (Shimanski), etc.	Alpine Rescue Team/ Rocky Mountain Rescue Group	This session will include short presentations about new technology tools that are currently being used by some of the SAR Teams across the state.
Out of the Fire: Hands on for practicing burn care, CO poisoning, and respiratory emergencies from smoke exposure (FIELD)	Saturday Breakout Session E	Kat Pedersen (Cripple Creek Fire Department) with Jeremy DeWall	CCFD, FFL, PPMTF	Learn how to interact, support and be safe in a wildland fire or campfire gone wrong scenario. This training will also prepare you for care of patients with burns, carbon monoxide poisoning, and respiratory emergencies in the austere environment.
Lift Ticket Lecture	Saturday Breakout Session F	Chad Miller	FFL	We will complete the hands on portion and new LT cards for the 2019-2020 season will be distributed.
Intro to ManTracking	Saturday Breakout Session F	Dan Remsberg	Rocky Mountain Trackers	This class will introduce the student to the benefits of using mantrackers during a SAR event. It is not a certification class. The class will consist of classroom presentation with a limited exposure to sign outdoors, as time permits.
UAV – Advanced Techniques and Software	Saturday Breakout Session F	Morris Hanson	Douglas County SAR	Use of UAVs in SAR takes much more than just a drone in the air. This session will focus on bringing all the elements together to maximize the effectiveness of this technology. Learn how to leverage the aircraft, cameras, maps, and various software to increase your chances of finding what you are searching for. After the session, we will step outside and show the complete system in action.
Snake Bite Smarts: Truths and Myths	Saturday Breakout Session F	Kristin Lodmill	FFL	This presentation will provide general information about the types of snakes in Colorado, which ones are venomous, and how to manage a bite.

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Mock Rescue Technical Scenario	Sunday	Martin Barnett, Matt Giasson & Brian Taylor	Martin Barnett (Alpine Rescue Team & PMI/VRS), Matt Giasson (PMI/VRS)	As with many missions, you will find yourself having to deal with a situation that you have not encountered before. The mock mission is a great opportunity to work with different agencies, equipment and put yourself to the test. Don't worry though, this is the perfect time to practice what you have learned over the weekend with less stress than in a real mission.
Medical Care in an Austere Environment – Field/Scenario	Sunday	Dr. Jeremy DeWall, Chad Miller, Candice Horgan, Kat Pedersen, Brian Hendrix	Jeremy, Chad, Brian, Sarah, Tim (FFL), Kat Cripple Creek Fire Department and Pikes Peak Medical Task Force, Candice NSP	During this mock medical mission, you will have the opportunity to triage, treat, package, and extricate patients to an awaiting helicopter. These scenarios will help tie together the knowledge gained throughout the weekend, and do not require any level of medical experience. Come play together and learn to care for patients or hone your skills!
Mental Health – Community Crisis Support Team	Sunday	Laura McGladrey	Responders Strong	<p>Stress Injuries and Innovations in Rescue Culture Rescuers are often exposed to emotionally difficult rescues and recoveries, such as suicides, injuries to fellow climbers, pediatric calls and contact with grieving family members. There is growing recognition of the impact of traumatic stress and wear and tear on the rescuer and the family of the rescuer. Many Rescue teams nationally are taking steps to recognize, support and mitigate the effect of this type of exposure and the resulting injuries such as PTSD, often referred to as operational stress injuries. This workshop will highlight the national conversation, nomenclature, understanding of stress formation and innovations and best practices to support traumatic stress in rescue as it occurs.</p> <p>Psychological First Aid and Critical Incident Support in SAR Psychological first aid is a modular, tool based approach to support those who experience the psychological trauma of events such as being lost, avalanche, falls, or watching significant injury occur or almost occur to loved ones. While physical injuries have been traditionally recognized and supported on scene, psychological injuries are often deferred to experts. This workshop presents a look at how traumatic stress causes injury, and how it can be mitigated by rescuer interventions on scene and throughout the rescue. Finally, best practice in psychological first aid will be applied to critical incident and near-miss support for the rescuer and the rescue team following impactful events.</p>
Lift Ticket hands on	Sunday	Chad Miller	FFL	Lift Ticket training for currently affiliated agencies The Lift Ticket Lecture will be for agencies already involved in the LT program. This will be a short lecture about the program standards, expectations and a review of the helicopter.