



2023 PUBLIC SAFETY AVIATION CONFERENCE
ECHO SAN DIEGO

CONFERENCE GUIDE

www.echoflightcrew.org





WE ARE THE VOICE OF PUBLIC SAFETY AVIATION

OUR MISSION

ECHO provides free to low-cost education, high-quality training programs, crew member and program support, and networking opportunities to public safety aviation members around the world.

OUR VISION

ECHO will be leaders in improving the global public safety aviation industry through premier training opportunities, advocating for cutting-edge safety practices, and supporting the health and wellness of program personnel.

Every Coast Helicopter Operations, a volunteer-run 501(c)(3) nonprofit organization, was re-branded in 2018 due to a growing interest from flight crew members and public safety aviation organizations around the world. Originating on the east coast, ECHO membership and conference attendees now represent all parts of the United States, as well as countries from Europe and the Caribbean Islands, respectively. True to our organization's values, our mission to improve the quality of service and safety of programs around the world is accomplished through the alliance of our corporate sponsors and industry partners. Join us in 2023 for our largest events yet!

For more information, visit our website: www.echoflightcrew.org



CONTENTS

04 2023 Annual Conference

06 GET REAL Sim Challenge

07 Conference Agenda

12 Presenters

15 Workshops

17 ECHO San Diego Gear

19 ECHO Programs

20 Paradise Point

MADE POSSIBLE BY:





ECHO San Diego

October 1-4, 2023



Workshops - October 1 & 2

General Sessions - October 3

General Sessions - October 4



ASTNA and ECHO will provide CEHs for all providers.



Hangar Z Podcast is the official podcast host and will be broadcasting live from the exhibitor floor.



Enjoy daily refreshments from Heroes Rise Coffee Company who donates coffee to first responders nationally. HeroesRiseCoffee.com



Vertical VALOR is the official media sponsor.



ECHO SAN DIEGO

REGISTER EARLY!

ONLY \$150 THROUGH APRIL 30, 2023

PROGRAM DISCOUNT

**10% OFF FOR THREE OR MORE
FROM YOUR PROGRAM**

REGISTRATION INCLUDES

EXHIBITOR & VENDOR HALL

FULL SELECTION OF WORKSHOPS* & PRESENTATIONS

DAILY MEALS, BEVERAGES, SOCIAL HOUR, & MORE

CEU HOURS FOR PARAMEDICS & NURSES

ECHO BLOCK RATE AT THE PARADISE **

FOR ALL CONFERENCE ATTENDEES



INCLUDED
WORKSHOPS
DEMOS
PRESENTATIONS!



ECHO GET REAL Simulation Challenge 2023
brings a team of flight clinicians together to test their clinical knowledge, critical thinking, communication skills, safety, and situational awareness.

POWERED BY:  **iSimulate**
CLINICAL EDUCATION TECHNOLOGY

GRAND PRIZE
10.2" iPad
for both
team members +
FREE Registration
for ECHO 2024

Runner Up
Beats Studio Buds
for each
team member +
FREE Registration
for ECHO 2024

2nd Runner Up
FREE Registration
for ECHO 2024 +
ECHO merchandise
item of choice

All participants will receive FREE CEU hours! Simulation Challenge will take place in a closed environment.



Conference Agenda

Sunday, October 1, 2023

8:00 AM - 4:00 PM
Advanced Procedures Cadaver Lab
The Rescue Company 1

Monday, October 2, 2023

7:00 AM **Registration opens & Breakfast**

8:00 AM - 12:00 PM
Pediatric Procedures & Pathophysiology: From the Inside Out
Scott and Lisa DeBoer, Pedi-Ed-Trics

8:00 AM - 12:00 PM
Anatomical Dissection Lab
The Rescue Company 1

9:00 AM - 12:00 PM
Helicopter Underwater Egress Training
The Rescue Company 1

9:00 AM - 12:00 PM
Critical Care Rescue Medicine
Stef Maier, SR3 Rescue Concepts

9:00 AM - 12:00 PM
Train the Trainer: Enhancing Your Simulation Game
iSimulate

1:30 PM - 4:30 PM
Overwater Egress
Stef Maier, SR3 Rescue Concepts

1:30 PM - 4:30 PM
High Risk, High Reward: Neonatal/HROB Transport Skills
Traci Clark, Dee Harman, Christina Shelton, Duke Life Flight

1:30 PM - 4:30 PM
Training for Tragedy: Helicopter Emergency Access Training
Chelsea Sibold & Miranda Landrum, Carilion Clinic Life-Guard

Details on pages 15-16



HELICOPTER

happy hour





Conference Agenda

Tuesday, October 3, 2023

7:30 AM Breakfast and Heroes Rise Coffee

8:30 AM Welcome to ECHO San Diego!
Honor Guard

8:45 AM-9:45 AM Aviation Leadership - Needs, Wants, and Frustrations
Terry Miyauchi

9:45 AM-10:15 AM Break - Vendor/Exhibitor Hall Open- Heroes Rise Coffee

10:15 AM-10:45 AM Sim Center Taste on a DIY Budget
Major Justin Soulier

Your Airway isn't Anterior, your Airway Skills are Inferior
James Boomhower

Water, Water, Everywhere: Pulmonary Edema From Crackles to Crashing
Michael Frakes

What's next? How meditation can make you a better clinician (and person)!
Nate Van Heel

Building Canada's Only Wilderness HEMS Program
Miles Randell

10:45 AM-11:30 AM Break - Vendor/Exhibitor Hall Open

11:30 AM-12:00 PM Optimizing Performance during Medical Emergencies
Adam Street

MCS Showdown: IABP vs Impella
Brian Cress

When You're the One Left Behind - Mental Health Awareness in Our Industry
Jessica Johnson

IIMC: Inadvertent Instrument Meteorological Conditions or...Incompetent Intentional Mission Completion
Roman Barker

We've Been Trying To Reach You About Your Car's Extended Warranty
Daniel Gillis



Lunch
12:00-1:15pm

1:00 PM-
2:15 PM

Critical Care Panel

2:15 PM-
2:45 PM

Break - Vendor/Exhibitor Hall Open

2:45 PM-
3:45 PM

Radar Contact Lost: Post-Accident Incident Plan & Accident Recovery

Dr. Michael O'Brien

Unknown Medical: Assessing Differentials in Critically Ill Patients

Jefferson Freed & Logan Parker

Game to Reality

The Rescue Company 1

Don't Make it Awkward: Providing Culturally Competent Healthcare

Scott Davis & LeRon Lewis

**Helicopter Hoist
Emergency Procedures**

Dave Callen & Rob Munday

3:45 PM-
4:15 PM

Break - Vendor/Exhibitor Hall Open

4:15 PM-
5:15 PM

SALAD - Suction Assisted Laringscopy Technique.

James Short

Pink or Blue? No, This Isn't a Gender Reveal Party

Nicole King

The Practice of Safety

Dave Callen & Steph Maier

Cognitive Bias in Medical Decision Making

Dr. Kayla Long

Implementing Instrument Flight Rules (IFR) Infrastructure and Training to HEMS Programs

**Scott Davis
Sid Bingley
Wade Dunford
Tyson Leroy**

down for
weather bash





Conference Agenda

Wednesday, October 4, 2023

8:00 AM Breakfast and Heroes Rise Coffee

9:00 AM ECHO Awards Ceremony

9:15 AM- Aviation Safety Panel
10:15 AM

10:15 AM- Break - Vendor/Exhibitor Hall Open
11:00 AM

11:00 AM- Helicopter Wire Strike
12:00 AM Avoidance
Dave Callen & Rob Munday

Getting in the Chest: Bringing
Finger Thoracostomies to the Field
Dr. Bryce Taylor & Shannan Paitsel

Beyond the Abstract:
Understanding Medical
Research 101
Kelly Edwards

Is Retention as Simple as Child's Play?
Healing our Organizations using the
Simplest of Building Blocks
Kayla Long & Dusty Ross

LF 3: Honora Parate:
Reflections on the Loss of
the Life Flight Three
Christina Shelton

Lunch
12:00-1:00pm

1:00 PM- Leadership Panel
2:00 PM

2:00 PM- Break
2:15 PM



2:15 PM-
3:15 PM

Resisting Traumatic Arrest
Dr. Amanda Humphries

Guided Debriefing
Steph Maier

**Helicopter Aerodynamics
for Crew Members**
Dave Callen

**Scalpels, Survival Vest, and Suicide
Prevention Programs.**
Things you don't need until s*** hits the fan
James Boomhower

Papers to Pay Attention To:
What was Published Last Year That Should
Catch our Eye
Kayla Long

3:15 PM-
3:30 PM

Break

3:30 PM-
4:30 PM

Fit for Flight
Michelle Kline

Spinning blades, pumps, and tires;
eCPR and ECMO management in the air or on
the ground.
Kevin Rixmann & Sara Wallentine

**Helicopter Aerial Firefighting
Operations**
Tony Webber

Creating the Culture-
Surviving Toxicity and Growing a Positive
Culture from the Inside Out.
Rebecca Charczenko

**Do you have a Training
Blueprint?**
Building a better HEMS education
program.
Jeremy Norman

closing party





Presenters

Adam Street, Flight Nurse, LifeLink III

Amanda Humphries, Assistant Professor of Emergency Medicine, UT Houston

Brian Cress, Perfusion Student/Flight Paramedic, Texas Heart Institute

Bryce Taylor, Emergency Medicine Resident, Carilion Clinic Life-Guard

Carlos Tavarez, Owner, Rescue Co 1

Chelsea Sibold, Flight Nurse, Carilion Clinic Life-Guard

Christina Shelton, Education/Outreach, Duke Like Flight

Dan Gillis, SAR Pilot, US Coast Guard

Dave Callen, Flight Instructor, SR3 Rescue Concepts

Dee Harmon, Asst. Nurse Manager, Duke Like Flight

Dusty Ross, Flight Paramedic, Air Methods

James Boomhower, Critical Care Transport Specialist-Paramedic, Boston MedFlight

James Short, Paramedic Instructor, Glasgow Caledonian University

Jefferson Freed, Flight Paramedic, Carilion Clinic Life-Guard

Jeremy Norman, Director of Clinical Research, Air Methods

Jessica Johnson, Flight Paramedic, Guardian Flight - Aerocare

Justin Soulier, CCATT RN, US Air Force Reserve

Kayla Long, Emergency / EMS Physician, Centra Health

Kelly Edwards, Clinical Operations Manager, Haiti Air Ambulance

Kevin Rixmann, Flight Nurse/Lead, Life Link III

LeRon Lewis, Adjunct Faculty / Assistant Professor, Virginia Peninsula Community College

Lisa DeBoer, President, Pedi-Ed-Trics

Logan Parker, Flight Paramedic, Carilion Clinic Life-Guard



Presenters

Michael Frakes, Director of Clinical Care, Boston MedFlight

Michael O'Brien, Clinical Assistant Professor, UBMD Emergency Medicine

Michelle Kline, Flight Nurse, Ochsner Flight Care

Miles Randell, President and Founder, TEAAM Aeromedical

Miranda Landrum, Operations Manager, Carilion Clinic Life-Guard

Nate Van Heel, Flight Paramedic, LifeLink III

Nikole King, Critical Care Transport Nurse, Boston MedFlight

Rebecca Charczenko, Flight Paramedic, TGH-Aeromed

Rob Munday, Rescue Instructor, SR3 Rescue Concepts

Roman Barker, Flight Nurse, MedCenter Air

Sara Wallentine, Flight Nurse/Lead, Life Link III

Scott Davis, Flight Paramedic, Carilion Clinic Life-Guard

Scott DeBoer, Founder, Pedi-Ed-Trics

Shannan Paitsel, Flight Nurse, Carilion Clinic Life-Guard

Sid Bingley, Flight Nurse, Carilion Clinic Life-Guard

Stef Maier, Hoist Instructor, SR3 Rescue Concepts

Terry Miyauchi, Public Safety Segment Manager, Bell Helicopter

Tony Webber, Flight Instructor, SR3 Rescue Concepts

Traci Clark, Neo/Peds Education, Duke Like Flight

Ty Leroy, Pilot, Carilion Clinic Life-Guard

Wade Dunford, Pilot, Carilion Clinic Life-Guard



 **E.C.H.O.**
SAN DIEGO
 2023 PUBLIC SAFETY AVIATION CONFERENCE

OCTOBER 2-4, 2023
 PARADISE POINT RESORT
 SAN DIEGO, CA

EDUCATION TRACKS

CRITICAL CARE, SEARCH & RESCUE,
 AIRBORNE LAW ENFORCEMENT,
 LEADERSHIP, SAFETY, & MENTAL HEALTH

WHAT'S INCLUDED

WORKSHOPS, DISCUSSION PANELS,
 BREAKOUT SESSIONS, VENDORS,
 SOCIAL EVENTS, NETWORKING, & MORE!



EVERY COAST HELICOPTER OPERATIONS
ECHOFLIGHTCREW.ORG

SCAN THE QR FOR
 CONFERENCE DETAILS
 AND REGISTRATION





Workshops

Sunday, October 1, 2023

Monday, October 2, 2023



ADVANCED SKILLS CADAVER LAB

CARLOS TAVAREZ
The Rescue Company 1

This fully interactive course prepares you with the knowledge, critical thinking, skills, and hands-on training needed to provide high quality trauma care. Practice assessments and invasive skills on donated cadaver tissue.



Helicopter Underwater Egress Training

CARLOS TAVAREZ
The Rescue Company 1

This workshop takes attendees through the process and understanding of the importance of "Advanced Water Survival Skills". Flight Crews will learn more advanced skills necessary to assist them with survival in an offshore environment should an incident occur.



ANATOMICAL DISSECTION LAB

The Rescue Company 1

Using cadaveric tissue, attendees will be guided through a thorough dissection of the brain, heart, and lungs.



PEDIATRIC PROCEDURES & PATHOPHYSIOLOGY: FROM THE INSIDE OUT

Pedi-Ed-Trics

You asked... We delivered! Scalpels and scenarios, paired with step-by-step videos and instructor-guided dissections, allow attendees to experience an unforgettable view of medical & traumatic cardiac pulmonary emergencies with a special pediatric focus.



CRITICAL CARE RESCUE MEDICINE

SR3 Rescue Concepts

This workshop will cover adapting critical care medicine to the hoist rescue environment. Attendees will go over the HOVER method, fitness for duty, and have hands-on scenarios.



TRAIN THE TRAINER: ENHANCE YOUR SIMULATION GAME

iSimulate

Want to up your clinical simulation game? Join us for a "train the trainer" simulation lab where students will learn how to effectively conduct simulations for their programs.



Workshops

Monday, August 15, 2022



OVERWATER EGRESS

STEPHEN MAIER
SR3 Rescue Concepts

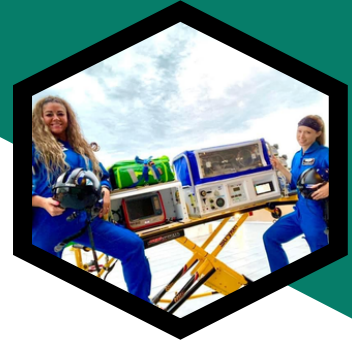
A hands on workshop that covers a variety of skills needed to survive an unexpected ditching in water. The workshop will cover a variety of topics used in Helicopter Underwater Egress.



TRAINING FOR TRAGEDY: HELICOPTER EMERGENCY ACCIDENT TRAINING FOR FIRST RESPONDERS

Chelsea Sibold & Miranda Landrum

Carilion Clinic Life-Guard developed a new training program geared toward first responders that will help the flight crew in the case of an aircraft emergency. First responders have always been close partners with the flight crew in safety, but they often lack hands-on training with aircraft-related emergencies and how to assist the flight crew in the event of a crash. Thus, HEAT training was born. HEAT stands for Helicopter Emergency Accident Training.



HIGH RISK, HIGH REWARD: NEONATAL/HROB TRANSPORT SKILLS

Dee Harman, Traci Clark,
& Christina Shelton

Deep dive and learn the skills necessary to polish your high-risk OB and neonatal transport game.



Pre-Order ECHO San Diego Merchandise

limited quantities will be available onsite

\$20



\$45



\$15





\$35



\$40



\$40



\$30



\$45





Future Flight Crew®

Start from dreams; grow with passion

The Future Flight Crew Program has grown by leaps and bounds since inception in 2016. FFC has grown to meet the demands of an ever-changing air medical industry, preparing qualified nurses and paramedics to be knowledgeable in the field of critical care transport. The Future Flight Crew program has prepared its students to be successful in rigorous program orientation and onboarding programs. Our current 2022 cohort is in the process of learning, and will conclude their training at ECHO Austin! Students will follow a success driven curriculum developed by current flight nurses and paramedics that will include guided learning activities, clinical ride along experiences, mentoring, and in-person group learning activities at ECHO Austin. Learn more at www.echoflightcrew.org/ffc



ECHO F.A.S.T.

Flight Crew Assistance & Support Team

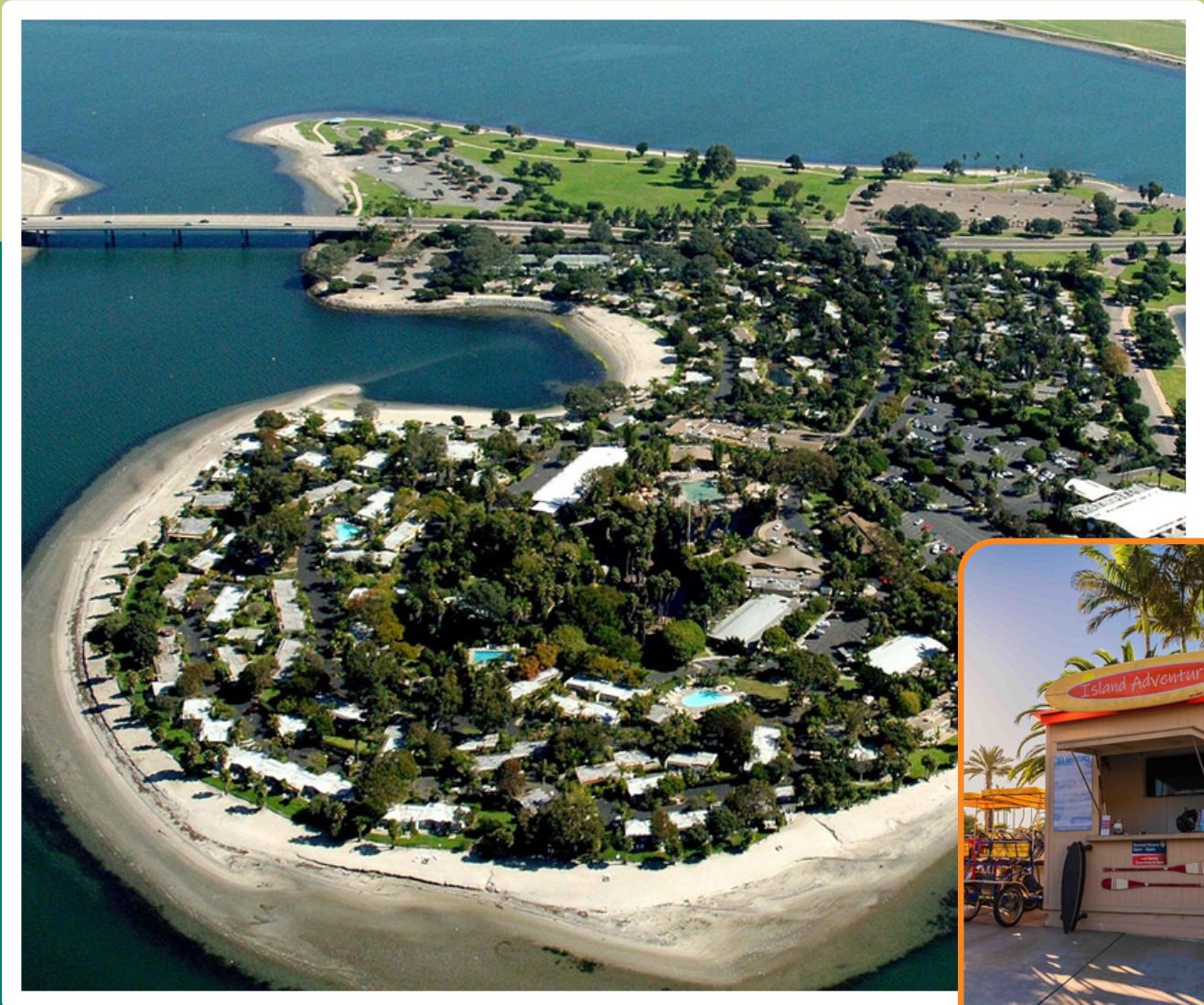
FAST was created out of necessity for a dedicated team of peer support providers to respond to public safety aviation accidents and high-stress incidents throughout the country. As a 100% free and deployable asset to aviation programs, FAST has responded to support affected program's team members, families, and leadership following catastrophe. FAST also offers a free 24/7 hotline for public safety aviation personnel, which has been utilized by people throughout the country following high-stress calls, grief from co-worker loss, and need for support services. As a completely voluntary team, FAST's team members deploy within 24 hours notice to support those needing assistance. Learn more at www.echoflightcrew.org/fast



ECHO Safety Team

Everyone Comes Home.

ECHO Safety Team was created to enhance safety and best practices across all aspects of public safety aviation. We welcome flight paramedics and nurses, law enforcement, search and rescue, communication specialists, management, pilots, mechanics, and other industry experts who are involved in ensuring the safety of flight programs. The ECHO Safety Team will share important information, advocate for best practices in our industry, and provide seminars as well as in-person and virtual trainings with an emphasis on safety culture. The ECHO Safety team's first mission was to assist a flight program in 2020, looking at their safety practices and provide methods to improve their safety management system. Furthermore, we look forward to being a resource to programs and crew around the world. Learn more at www.echoflightcrew.org/safety



Paradise Point Resort & Spa

START YOUR DAY

Heroes Rise Coffee Company will be serving coffee daily.

STAY ACTIVE

During ECHO San Diego attendees can enjoy full access to 9-hole putting golf course, tennis courts, basketball court and the 24 hour fitness center - all free of charge!

RELAX AND UNWIND

In room spa options. There's no better way to lay back and unwind.

DAILY OUTDOOR SOCIALS

Unwind each day outside at the pool or walk the beach for a morning hike. Enjoy live bands, food, beverage, and more!



FACILITIES

- 1 Lobby
- 2 Spa & Salon
- 3 Fitness Center
- 4 Island Adventure Hut
- 5 Island Market & Island Grinds Coffee
- 6 Observation Tower
- 7 Golf Putting Course
- 8 Tennis & Basketball Courts
- 9 Vacation Isle Kids Club
- 10 Marina & Boat Rentals
- 11 Tidal Beach
- 12 Laundry Room

POOLS

- 13 Lagoon Pool
- 14 Adult Pool
- 15 Meadow Pool
- 16 Waterfall Pool
- 17 Main Pool

RESTAURANTS & BARS

- 18 Tidal
- 19 Barefoot Bar & Grill
- 20 Tropics Cantina

MEETING FACILITIES

- 21 Mission Bay Room & Foyer
- 22 Paradise Ballroom & Foyer
- 23 Sunset Ballroom
- 24 Bay View Room
- 25 Dockside Room
- 26 Garden Room
- 27 Palm Room
- 28 Island Room
- 29 Pacific Room
- 30 Royal Room
- 31 The Director's Room
- 32 The Board Room
- 33 Sunset Pavilion

For Flight Crews, By Flight Crews.

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ECHO HeliOps

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