



International Association of Marine Investigators Western States Regional Training Seminar Agenda and Speaker Profiles Wednesday - November 13, 2019

7:30 am

IAMI Registration-Check-In

8:00-9:00

Marine Identification: This course will provide the basics of vessel identification,

HINs, motor and equipment number recognition. It is the base platform for the understanding of marine theft and fraud issues. It will include - manufacturer, model and engine identification; recognizing engine and HIN tampering; and locating secondary HIN locations.

Pat Rowland, CMI, has completed over 26 years of service with the U.S. Coast Guard as a Master Chief Petty Officer (E9), which followed time served as a technical instructor, supervisor and manager of personnel, budgets and resources. He served as an accredited, sworn Federal Coast Guard Senior Special Agent for over 18 years. Lt. Rowland joined the Jackson County Sheriff's Office in 2003, as a sergeant managing the Marine Patrol/Search/Rescue operations. He was promoted to lieutenant in 2006. He is a graduate of the 142nd FBI National Academy and has an Executive Certification from the Department of Public Safety, Standards & Training. In February 2013, Pat retired from the Jackson County Sheriff's Office with over 47 years of law enforcement experience. Pat has been a member of IAMI since 1994. During this time, he has held the position of Regional Coordinator, Board Members, 2nd Vice President, President (2002-2003), Board Director (2012-2013) and currently serving as IAMI's Secretary/Treasurer. Pat was also a founding member of the Certified Marine Investigator program, and currently serves on that committee.



9:00-10:00

PWC/Theft Investigations-Trends and Patterns of Thefts

Keith Jackson, Private Investigator, has worked in auto theft & marine investigations specializing in high performance boat theft investigations; with 32 years law enforcement experience as an LAPD police detective and detective supervisor. Keith has qualified as an expert in the identification & numbering systems of vehicles, boat trailers & boats. Keith developed training courses approved by the California Peace Officers Standards & Training, CA Dept of Justice. He is considered one of the leading experts in high performance boat theft investigations and claims in the country. Publications: Personal Watercraft Guide, developed for NICB and numerous law enforcement investigators. Keith teaches as an instructor for the CA Dept of Justice: instructing digital still, video recordings, and electronic audio recording & transmitting procedures for surveillance use. Keith was also once named Investigator of the Year by IAMI.

10:00-10:15

Break (15 minutes)

10:15-11:15

State Vessel Registrations & New USCG Numbering Regulations

Major Tim Baumgarten, Arizona State Boating Law Administrator. Throughout his 30-year career, Tim has focused on the advancement of knowledge regarding impaired boat operator detection and enforcement efforts. He was involved in the first impaired boating checkpoint in Arizona in 1993, and since then has participated and/or supervised numerous others. Tim is recognized throughout the Western States as one of the top experts in watercraft law enforcement, especially in OUI/BUI (boating under the influence) practices and techniques, boat theft investigations, and watercraft accident investigations and is currently the Arizona State Boating Law Administrator. Tim continues to serve as a BUI instructor for NASBLA and has provided multiple classes to hundreds of officers across the US since NASBLA launched its Boating Under the Influence Detection & Enforcement course in 2004. As an instructor, he has developed lesson plans and instructed classes for NASBLA and brought Arizona's innovative OUI special project "best practices" to other agencies. He also helped develop a watercraft law enforcement training program for Federal officers at the FLETC academy in Glynco, GA.



Lieut. Brady Phillips, Nevada Department of Wildlife. Brady holds a bachelor's degree in criminal justice from the University of Nevada Reno and has approximately 9 years service time with the Nevada Department of Wildlife. Lieutenant Phillips was assigned for 7 years to the Laughlin area, primarily patrolling the Colorado River and Lake Mohave. During this time Lieutenant Phillips investigated countless vessel collisions to include many fatal incidents. Lieutenant Phillips has instructed for NDOW on many topics to include vessel operations, firearms, taser, ATV operations and as a field training officer. Approximately 1 year ago Warden Phillips promoted to the Lieutenant position overseeing the Southern Region for NDOW Law Enforcement.



Douglas Powell, Office of the Sheriff Contra Costa County, Lieutenant (Ret), Doug served 30 years with the Contra Costa County Sheriff's Office and currently works in Contra Costa Sheriff's deputy in a Per Diem capacity as a first responder in the boating unit. Doug has served as the Co-chair and legislative chair for both the California State Sheriff's Boating and Watercraft Safety Committee and The California Boating Safety Officer's Association. Doug co-authored a Contra Costa County ordinance that has been adopted by counties throughout the state regarding mooring and sanitation for boaters. Additionally, he has instructed California boating officers in Boat Accident Investigation, Inland Boating Officer Training and Boating under the Influence. He holds a 100 ton Captains license issued by the United States Coast Guard for the last 12 years. Doug has co-authored the Boating Skills and Operations Manual- State of CA Department of Boating & Waterways 2010 and The California State Sheriff's Association Marine Training Manual, Legal Point of view for the Beacon magazine.



11:15-11:30

Discussion

11:30-1:00

Lunch (on your own)

1:00-2:15

Marine Fire Investigations and the Scientific Method

Walter S. Laird, CMI, CFE, PE, CFI, holds two degrees in Naval Architecture, Marine Engineering and Ocean Systems from the Massachusetts Institute of Technology (MIT). He also holds a degree in Materials Engineering from Johns Hopkins University and is a graduate from the US Naval War College & Lloyd's Maritime Academy. Walter is a retired nuclear power trained Surface Warfare Officer from the U. S. Navy. He is a registered Professional Engineer, Certified Marine Investigator, and Certified Fire & Explosion Investigator. He has taught engineering courses at the US Naval Academy and was a Department of Defense Science and Engineering Fellow at the Johns Hopkins University for three years. Since his active service, he worked in the amusement and marine industries before becoming a forensic engineer. He is the lead engineer for FORCON-Marine Services, Ltd where he practices marine engineering, incident investigations, and boat accident reconstruction. Walter's marine CV can be downloaded from www.FORCON.com.



2:15-2:30

Break

2:30-3:30

Using the Internet as an Investigative Tool

The internet can be a limitless tool, but also a terrible headache - millions of results, and you only ever look at a few, and often find the *incorrect* or *irrelevant* results. Join us to better understand how to effectively utilize the internet and related resources and gain a competitive edge with the use of keywords, Booleans, free resources, know-how, and open source materials. Learn the difference from the DarkWeb, Deep Web, DarkNets – and how to leverage that information. Afterall, virtually all questions’ answers are on the internet– it’s just a matter of finding that one needle in a haystack and weeding through the swamps.



Maxwell Schwede, AMS, CMI, Certified Fraud Examiner, and has been with Todd & Associates since 2007, as an Accredited Marine Surveyor, and Level III Certified Infrared Thermographer, and has been involved in marine casualty and accident investigations, vessel valuations, and stolen vessel investigations. Max has been involved with video documentation for major marine fire investigation seminars, as well as marine accident reconstructions. A graduate of San Diego State University, Max also worked as a San Diego City Lifeguard, and is an avid surfer.

3:30-4:30

Marine Accident Kinetics and Fatigue

Perishable evidence disappears from accident scenes every day. Sometimes, the person arrested may not necessarily be the cause of casualty. Do we stop our investigation too soon, arriving at a true cause of the casualty conveniently. Plaintiff / Criminal Defense attorneys have begun to recognize and utilize fatigue as a defense/assertion to the BUI utilizing standards and laws from the transportation sectors (rail, airlines, Over-the-road). This topic is an introduction to assist you in recognizing tell tails and collecting of the “perishable” fatigue related evidence and properly detail that information for possible future use before it disappears.



Michael Hunter, CMI, is the Principle Surveyor & Investigator of Hunter Consulting & Survey in Springfield, Missouri. He has been in several facets of the marine industry since 1984 including 15 years as a certified marine technician. He was formerly a Deputy Sherriff in rural Missouri. He became a Marine Adjuster & Surveyor in 1996 joining IAMI in 1997 and becoming one of our first CMI’s in 2004. Michael has completed all NTSB Marine Accident Investigation courses, NTSB Human Factors Training, NASBLA Accident Investigation training, two joint NTSB/USCG/ABYC Accident Investigation Courses, Beginning & Advanced Watercraft Reconstruction Training and numerous IAMI ITC’s. He is a NAMS & SAMS Marine Surveyor and holds seven ABYC Certifications. He is also a Level II Thermographer.

5:00 pm

Break for Dinner (on your own)

5:00-7:30 Certified Marine Investigator Testing



Thursday – November 14, 2019

8:00-9:00

Marine Insurance-Large Loss and Casualty Claims



Rob Varnell, Markel Insurance, Rob joined the Markel Insurance team as the Marine Claims Manager, after 15 years in special lines handling at Progressive Insurance. Rob held leadership roles during 10 of his 15 years of experience. Prior to Markel, he was the regional field leader with oversight responsibilities in Milwaukee, Chicago, northern Illinois and northwest Indiana. Rob played an integral role in claims handling and product process(es) for marine, motorcycle, and manufactured homes. He also spent six years as the leader on Progressive's national catastrophe team. Rob holds a degree in Organizational Management and Communications from Concordia University in St. Paul.



Daniel K Rutherford, Maritime Program Group

Co-Instructor – Marine Insurance-Large Loss & Casualty Claims

9:00 10:15

Marine Casualty & Accident Investigations

Daniel K. Rutherford, IAMI-CMI, LPI, Risk Management, Maritime Program Group

Director of Claims & Investigating Marine casualties and accidents can be full of pitfalls for the investigator, as well as the insurance company. This presentation will focus on the methodology, procedures, techniques, and investigative practices that should be standard in any large loss or casualty investigation. Mr. Rutherford is Director of Claims and Risk Management for Maritime Program Group, a specialty insurance program company with over 20 years of in-house underwriting experience. He is a New Hampshire State Police licensed Private Investigator and Ocean Marine Adjuster and holds the designation of Certified Marine Investigator awarded by the International Association of Marine Investigators. Dan is a recognized expert in Marine Investigation, Marine Accident Reconstruction, Vessel Identification, Marine Surveying, Vessel Valuation and Marine Related Forensic Evidence Collection and has been qualified through the federal court level. He was the recipient of the "IAMI Investigator of the Year Award" for 1996 and 1998. Dan's teaching and lecturing engagements include the American Boat and Yacht Council (ABYC), International Boat Builders Exhibition (IBEX) and the International Association of Marine Investigators (IAMI) where he also served on the IAMI Executive Board and currently on the CMI Committee. In addition to his marine related activities, while residing in NJ, he served as New Jersey State Police, Department of Homeland Security Emergency Management Coordinator.

10:15-10:30

Break

10:30-12:00

Forensic Analysis of Fiberglass and Gelcoat Evidence

Fiberglass laminates have unique structural properties that can explain how and why they fail. Gouging, gelcoat stress cracks, and laminate fractures all can provide vital clues to the field investigator when it comes time to deciphering exactly what went on. This session will help you identify the subtle elements that will help you build a logical sequence of failure.

Jonathan Klopman, CMS, CMI, Jonathan is an IAMI Certified Marine Investigator as well as a NAMS Certified Marine Surveyor. His surveying firm specializes in marine accident investigation and failure analysis. Jonathan has spent thirty years studying broken boats and has passed this experience along in frequent instruction for the International Boatbuilder's Exposition, the American Boat and Yacht Council, the Wooden Boat School, and the Landing School.

12:00-1:30

Lunch (on your own)

1:30-2:45

Large Loss Casualty Investigation

This case study presentation shall follow the identification of the extent of loss, preparation of a team of experts including salvors, surveyors, forensic engineers, private investigators, expert witnesses, and attorneys to identify the cause, nature, and extent of damages leading to multiple casualty investigation. The utilization of location sonar, video cameras, accelerometers, 3-D modeling, and accident Reconstruction and on the water testing, in an effort to prove or disprove the facts and circumstances, as well as the expert presentation in preparation for court testimony.

Todd Schwede, AMS, CMI, CPII, Todd & Associates, Inc, CEO, has been a Marine Surveyor since 1984, and was accredited in 1989, and has worked in the marine industry since 1973, as a boat builder and partner in a San Diego boat yard. Areas of expertise include: accident and damage inspections, boating accident reconstruction, stolen boat investigation & recovery, vessel appraisal, risk assessment, repair cost review, claim settling, salvage and recovery, for yachts, commercial vessels, and certified craft. Todd is also an expert in Stolen Boat Investigations, works throughout North America & Mexico and has developed a facsimile/email broadcast and stolen vessel notification system with the largest stolen boat website on the Internet. Todd has also the recipient of the IAMI Investigator of the Year award, on 4 occasions.

Todd has served on the Board of Directors of IAMI and was a principal founder of the Certified Marine Investigator program, and currently serves on that committee.



Bryan Emond, PE, CMI, Senior Engineer SEA Engineering, received his Bachelor of Science degree in Marine Engineering from the United States Coast Guard Academy, and his Master of Science degree in Mechanical Engineering from the United States Naval Postgraduate School. He served for 21 years as a commissioned officer in the United States Coast Guard and retired at the rank of Commander. In the Coast Guard, he performed duties related to commercial vessel safety including marine inspections, investigations, and review and approval of commercial vessel designs. For the past 13 years at S-E-A, Ltd., Mr. Emond has been responsible for investigating and analyzing marine and mechanical engineering projects, specializing in component and product failure analysis, and marine accident investigation and reconstruction. He is a Certified Marine Investigator (CMI) and a licensed Professional Engineer (P.E.).



Terence Cox, Founding Partner, Cox Wootton Lerner, Griffin & Hansen, LLP, now the largest maritime law firm West of the Colorado River covering all of the Western States, Hawaii and the Pacific Rim. Our firm has the honor of having the highest winning record in maritime cases that go to trial. Our firm's success record relies greatly upon working closely as an integrated team with marine surveyors, engineers and other marine consultants who are deeply knowledgeable in every aspect of casualty investigations, vessel operations, vessel systems, electronics, rules of the road and safe boating practices.

The results of our firm's team approach are best exemplified by accident reconstructions that our firm presents at trial. One of those presentations, which will be featured during this seminar, arose out of the sinking of a Baja 202 in Lake Powell in April 2009 resulting in four fatalities. The accident reconstruction was presented at trial in federal court in Salt Lake City in 2015. My role was to work with our team to make our presentation: (1) admissible into evidence; (2) eye grabbing; and (3) the most persuasive.

3:00-3:15

3:15-4:30

4:30

Break

Large Loss Casualty Investigation-continued

Close

Special thanks to IAMI members and sponsors who have assisted in making this seminar a success!

Captain Bill Dials, AMS, CMI; Todd Schwede, AMS, CMI; Maxwell Schwede, CMI, AMS, CFE; Dan Rutherford, CMI; Captain Bill Dials, CMI; Jonathan Klopman, CMI; Pat Rowland, CMI; Major Tim Baumgarten; Madeline Fenske; Terry Cox, Michael Hunter, CMI; Pat Rowland, CMI; Keith Jackson, PI; Douglas Powell; Rob Varnel; Walter Laird, CMI,CFE; Sheila Schwede, Eddies Marine Service; Julie Smith



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