

Vitae – Stephen Christian Hempstead

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Education, Certifications & Service

Education

- **University of Rhode Island**, Kingston, RI; 1973-1978; 1989-1994
 - **MA**, 1994; Major: English (major thesis: “Cycles of Perception”, unpublished)
 - **BA**, 1978; Majors: German (Academic Excellence award, 1977), English and Journalism (triple major), cum laude
 - **California Maritime Academy**, Vallejo, CA; 1978-1980; (complete 3 years of B.S. with 3.6 CPA – all credits transferred to Mass. Maritime Academy as senior in 1980)
 - **Massachusetts Maritime Academy**, Buzzards Bay, MA; 1980-1981
 - **BS**, 1981; Major: Marine Transportation
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USCG License qualifications

- Licensed as **Master Oceans Unlimited Tonnage** (1991 original; status: Continuation)
 - Fully **STCW certified** (1998 original; current)
 - Tankerman PIC - Dangerous Liquids endorsements (1998 original; current)
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Service & recognition

- **Navigation Safety Advisory Council (NAVSAC)** member, 2009-2015
 - U. S. Coast Guard **Public Service Commendation** for contributions to STCW Review “that will enhance international merchant mariner training and safety standards.” Oct. 2011
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Present Contract Work Experience

Present contract work experience - Hempstead Maritime Training LLC (5+ years)

- **Contract trainer, course & simulation developer**, September 2011 to present
 - **Hempstead Maritime Training, LLC**, 17000 Viking Way NW, Poulsbo, WA 98370
 - **Contact:** Christian Hempstead, principal, (360) 286-1932
 - **Clients & services provided (selected):**
 - **Escuela Naval Militar De Bolivia**, Operator & instructor NTPro 5.35 simulator training, and NS4000 ECDIS Familiarization, Cochabamba, Bolivia, May, 2017
 - **Escuela Nacional de Náutica**, Operator & instructor NTPro 5.35 simulator training for ice navigation, Buenos Aires, Argentina, May, 2017
 - **Transas Americas Inc.**, presentation: “My Axioms of ECDIS”, Buenos Aires, Argentina, May, 2017
 - **Texas City Independent School District**, Operator & instructor NTPro 5.35 simulator training, Apr, 2017
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Present Contract Work Experience, Continued

Present contract work experience as HMT,
(continued)

- **Council of American Master Mariners 2017 Conference**, presentation: “My Axioms of ECDIS”, Baltimore, MD, Apr, 2017
- **Pasadena Independent School District**, Operator & instructor NTPro 5.35 simulator training, Feb, 2017
- **NOAA ship crew training**, STCW 40-hr ECDIS course and NS4000 ECDIS Familiarization, Charleston, SC, La Jolla, CA, Newport, OR, Mar, 2017
- **Marathon Petroleum at Mountwest Maritime**, Huntington, WV, Feb, 2017
- **Canada Steamship Lines**, NS4000 ECDIS Familiarization training, Montreal, CA, Feb, 2017
- **Washington State Ferries**, STCW 40-hr ECDIS course and NS4000 ECDIS Familiarization, Seattle, WA, Jan, 2017
- **M/Y ATTESSA IV**, onboard vendor-certified Familiarization Training for NaviSailor 4000 ECDIS/MFD, N. Vancouver, CA, Dec, 2016
- **Washington State Ferries**, Operator & instructor NTPro 5.35 simulator training, Seattle, WA, Dec, 2016
- **Compass Courses**, STCW 40-hr ECDIS course, Edmonds, WA, Dec, 2016
- **Washington State Ferries & Foss Marine**, Operator & instructor NTPro 5.35 simulator training, Seattle, WA, Nov, 2016
- **Escuela Naval (ESNAL)**, Instructor NTPro5 Ice Module simulator training, Montevideo, Uruguay, Nov, 2016
- **Transas Americas Inc.**, presentation: “Using simulation to teach navigation”, Buenos Aires, Argentina, Nov, 2016
- **NOAA ship crew training**, STCW 40-hr ECDIS course and NS4000 ECDIS Familiarization, Honolulu, HI, Nov, 2016
- **Seattle Maritime Academy**, Operator NTPro 5.35 simulator training, Oct, 2016
- **Elkins Marine Training Intl**, Development of USCG-certified ECDIS training and simulation program, Tomales, CA, Oct, 2016
- **Royal Canadian Marine SAR**, Operator NTPro 5.35 simulator training, Sep, 2016
- **Transas Marine, Inc.**, Survival Craft Simulator draft training course, Sep-Jan, 2016-2017,
- **Galena Park Independent School District**, Operator NTPro 5.35 simulator training, Aug, 2016
- **Western Maritime Institute**, Operator NTPro 5.35 simulator training, July 2016
- **Massachusetts Maritime Academy**, Operator NTPro 5.35 simulator training, July 2016
- **British Columbia Ferries**, Instructor & operator NTPro5 simulator training, Nanaimo, CA, June 2016
- **NYPD Counter Terrorism Unit**, Instructor & operator NTPro5 simulator training, New York, NY, June 2016
- **Transas Marine, Inc**, Model and Area analysis and selection, June, 2016
- **USACE Marine Control Center, Cape Cod Canal**, NaviHarbor5 Familiarization training, Buzzards Bay, MA, May, 2016
- **NOAA Atlantic Hydro Branch**, NS4000 ECDIS Familiarization, Norfolk, VA, May, 2016
- **Univ. of Alaska Southeast, Maritime Program**, Instructor & operator NTPro5 simulator training, Ketchikan, AK, Apr, 2016

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Present Contract Work Experience, Continued

Present contract work experience as HMT,
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- **San Jacinto Community College**, Instructor NS4000 ECDIS Familiarization & NTPro5 simulator training, Houston, TX, Apr, 2016
- **Crowley Maritime Offshore Services**, Crew Resource Management Training seminar, Lake Charles, LA, Apr, 2016
- **British Columbia Institute of Technology, Marine Campus**, Instructor NS4000 ECDIS Familiarization, N. Vancouver, CA, Apr, 2016
- **NOAA ship crew training**, STCW 40-hr ECDIS course and NS4000 ECDIS Familiarization, Seattle, WA, 2016
- **MAR (MD), LLC**, STCW 40-hr ECDIS course and NS4000 ECDIS Familiarization, Ventura, CA, Mar, 2016
- **Interlake Steamship Co.**, STCW 40-hr ECDIS course and NS4000 ECDIS Familiarization, Cleveland, OH, Feb, 2016
- **Canada Steamship Lines**, NS4000 ECDIS Familiarization training, Montreal, CA, Feb, 2016
- **NOAA ship crew training**, STCW 40-hr ECDIS course and NS4000 ECDIS Familiarization, Pascagoula, MS, Jan, 2016
- **Point Pleasant River Museum**, course development projects, Nov-Dec, 2015
- **USN Training Support Center**, User NTPro5 simulator training, San Diego, Nov, 2015
- **Interlake Steamship Co.**, M/V MESABI MINER, onboard vendor-certified Familiarization Training for NaviSailor 4000 ECDIS/MFD, underway Great Lakes, Nov, 2015
- **Alaska's Institute of Technology (AVTEC)**, User NTPro5 simulator training, Seward, AK, Oct, 2015
- **Centro de Armadores Fluviales y Marítimos (CAFyM)**, User NTPro5 simulator training, Ascuncion, Paraguay, Oct, 2015
- **Texas Maritime Academy**, Instructor NTPro5 simulator training, Galveston, TX, Sept, 2015
- **Transas Americas Inc.**, various in-house simulation-related projects, June, July 2015
- **Selandia Ship Management**, onboard vendor-certified Familiarization Training for NaviSailor 4000 ECDIS/MFD, Texas, July 2015
- **NYPD Counter Terrorism Unit**, User NTPro5 simulator training, New York, May 2015
- **SIU/Paul Hall Center**, Instructor NS4000 ECDIS Familiarization & NTPro5 simulator training, Piney Point, MD, Apr., 2015,
- **PMI**, STCW 40-hr Leadership & Managerial Skills course, Seattle, Apr., May, 2015
- **Maine Maritime Academy Extension**, STCW 40-hr ECDIS course, Castine, ME, May, 2015
- **PMI**, STCW 40-hr ECDIS course, Seattle, May, 2015
- **NOAA ship crew training**, STCW 40-hr ECDIS course and NS4000 ECDIS Familiarization, Honolulu, and Newport, OR, Mar. 2015; San Diego, June 2015
- **Compass Courses Inc.**, Instructor NS4000 ECDIS Familiarization & NTPro5 simulator training, Edmonds, WA, Feb. 2015
- **Transas Americas Inc.**, onboard vendor-certified Familiarization Training for NaviSailor 4000 ECDIS/MFD, Curacao, Feb. 2015
- **New York Harbor School**, Instructor NTPro5 simulator training, New York, Feb. 2015
- **Crowley Marine Western Rivers**, STCW 40-hr ECDIS course, Anchorage, AK, Jan. 2015

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Present Contract Work Experience, Continued

Present contract work experience as HMT,
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- **Selandia Ship Management**, onboard vendor-certified Familiarization Training for NaviSailor 4000 ECDIS/MFD, Texas, Oct., Dec. 2014
 - **Bram Offshore**, Instructor NS4000 ECDIS Familiarization & NTPro5 simulator training, Macaé, Brazil, Oct. 2014
 - **PMI-MITAGS**, simulation research projects, Sep.-Oct., Nov.-Dec. 2014
 - **Fundação de Estudos do Mar**, Instructor NS4000 ECDIS Familiarization & STCW 40-hr ECDIS course, Rio de Janeiro, Brazil, July 2014
 - **MITAGS**, STCW 40-hr ECDIS course, Maryland, July 2014
 - **PMI**, simulation research project, Seattle, June-July 2014
 - **International Crew Training**, Instructor NS4000 ECDIS Familiarization & NTPro5 simulator training, Florida, July 2014
 - **Tidewater Community College**, Instructor NS4000 ECDIS Familiarization & ECDIS course setup & NTPro5 simulator training, Virginia, June, 2014
 - **The Maritime Training Institute**, Instructor NS4000 ECDIS Familiarization, Louisiana, May 2014
 - **Maersk Training Center Brazil**, NS4000 ECDIS Familiarization & STCW 40-hr ECDIS course & NTPro5 simulator training, Rio de Janeiro, Brazil, April 2014
 - **STAR Center**, NS4000 ECDIS Familiarization training, Florida, March 2014
 - **V.Ships**, NS4000 ECDIS Familiarization training, Hamilton, Canada, March 2014
 - **PMI**, simulation research projects, Jan.-Feb., April, June 2014
 - **NAVALEC/FIDENA**, NS4000 ECDIS Familiarization & STCW 40-hr ECDIS course & NTPro5 simulator training, Veracruz, Mexico, Dec. 2013
 - **PMI-MITAGS**, simulation research projects; simulator operator, Oct.-Nov. 2013
 - **Tidewater Community College**, Development of USCG-certified ECDIS training and simulation program, Virginia, June 2013
 - **Beier Radio**, Development of USCG-certified ECDIS training and simulation program, including ECDIS instructor training, May-Sept. 2013
 - **Centro de Simulação Aquaviária**, Instructor type-specific familiarization training on NS4000; also to guide development of exercises for preparation of delivery of ECDIS training, Rio de Janeiro, Brazil, June 2013
 - **Great Lakes Maritime Academy**, Development of USCG-certified ECDIS training and simulation program, including ECDIS instructor training, Feb. 2013
 - **Holland America Line, M/V Prinsendam**, onboard vendor-certified Familiarization Training for NaviSailor 4000 ECDIS/MFD, Jan. 2013
 - **Massachusetts Maritime Academy**, Instructor training in use of Transas NaviTrainerPro 5.25 simulation systems, & ECDIS instructor training, Oct. 2012
 - **Standard Club, Inc.**, collision scenario simulation design and presentation at international P & I symposium, New York, Nov. 2012
 - **Global Maritime and Transportation School (GMATS)**, instructor, course development, simulation scenario development, area modeling, July 2006 to July 2012
 - **Resolve Maritime Academy**, Development of USCG-certified ECDIS training and simulation program for Royal Caribbean Cruise Lines, Sept. 2011 to April 2012
 - **Nautical Institute**, Development of detailed ECDIS assessment criteria, August 2011
 - **Seattle Maritime Academy**, Simulation site design consultation, 2011
 - **Staten Island Ferries**, Simulation site design, and USCG-certified ECDIS course instruction, March 2008 to October 2010
 - **Maritime Simulation Institute**, Simulation site analysis and design options, Oc, 2009
 - **Northeast Maritime Institute**, Simulation development, Jan.-June 2009
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Past Work Experience

Past work experience – U.S. Merchant Marine Academy (9 years)

- **Professor**, Department of Marine Transportation, July 2004 to August 2013
- **U.S. Merchant Marine Academy**, 300 Steamboat Road, Kings Point, NY 11024
- **Contact**: Capt. George Edenfield, Dept. Head, (516) 726-5874
- **Duties & accomplishments (selected)**:
 - Origination, development, enhancement and renewal of **six simulator laboratories** (including budgetary management, equipment procurement and installation) providing visual navigation training with all electronics (90 workstations), maritime radio communications (32 workstations), liquid cargo handling and terminal operations (24 workstations), containerized cargo operations (24 workstations)
 - Install and manage centralized **network infrastructure** for simulation labs (2013)
 - Management of **unified licensing** for all Transas-based simulator installations (2013)
 - Origination and development of three courses and two sea projects in **integrated navigation**, accepted into newly revised Training Program including STCW compliance (2012):
 - Integrated Nav 1 (combined Radar, ARPA, ENav, Basic Shiphandling)
 - Integrated Nav 2 (combined ECDIS, ENav, Intermediate Shiphandling)
 - Integrated Nav 3 (combined Advanced Shiphandling, problems in navigation)
 - First & Second Sailing Integrated Navigation Sea Projects
 - **Revised ECDIS Model Course 1.27, approved by IMO, May 2012** – Based on course development and implementation at USMMA through 5-year period
 - Ongoing **training & mentoring of colleagues** in applied simulation instruction
 - **Promoted to Full Professor, April 2012**
 - Reappointed to Navigation Safety Advisory Council (**NAVSAC**), January 2012
 - **USCG Public Service Commendation** for contributions to STCW Review “that will enhance international merchant mariner training and safety standards.” Oct. 2011
 - **Advisor** to Kings Point Scholar, student project on U.S. e-Navigation, May 2011
 - **Superintendent’s Commendation** for ECDIS training development, March 2011
 - Appointed to be **Director of Nautical Science Simulation at USMMA**, Feb. 2011
 - Ongoing **procurement, budget management** and installation of lab upgrades
 - Appointment pending to USCG-sponsored Navigation Safety Advisory Council (**NAVSAC**), January 2009
 - Ongoing practice with **Transas simulation and area modeling** software, currently NaviTrainerPro 5000 versions, including instructor training
 - **Teaching** subjects in nautical science, including Electronic Navigation, Radar and ARPA, and ECDIS; student advising; serving on academy committees
 - Developed and implemented new training laboratory for ECDIS, with associated **certified ECDIS course**, first amongst U.S. maritime academies (April 2007); Developed and implemented four navigation simulation training laboratories and classrooms, including multiple ownership workstations complete with visual channels
 - Advised and supported installation of fully functional ECDIS systems on two **Waterfront Department vessels**; similarly advised and supported significant ECDIS upgrade on board various USMMA training vessels (2005-2011)
 - Responsible for **Electronic Navigation Sea Project**, including progressive modifications to implement on-board assessment, and to bring subject areas up to date
 - **Promoted to Associate Professor**, July 2006; tenured February 2008
 - Installed **live AIS feed** into global web site, and locally into electronic chart system, including DGPS receiver (2005)

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Past Work Experience, Continued

Past work experience – Pacific Maritime Institute (PMI) (4 years)

- **Instructor**, course developer and simulation developer, July 2000 to July 2004
- **Pacific Maritime Institute**, 1729 Alaskan Way S, Seattle, WA 98134
- Contact: Bill Anderson, Director (206) 441-2880, x 111)
- Duties & accomplishments:
 - Course developer and instructor at Pacific Maritime Institute (PMI) and Maritime Institute of Technology & Graduate Studies (MITAGS) in courses leading to STCW certification (2000-2004)
 - Contributed to the development of an Onboard Training Record Book and courses comprising PMI's USCG certified Mate 500 Training Program (2002-2003)
 - Contributed to the development of several maritime courses for advanced qualification, including Automatic Identification Systems (AIS) course (2000-2004)
 - **Developed first USCG-approved ECDIS training course** (2000)
 - Operator of **Transas Marine** products:
 - NaviTrainer Professional 4000 simulation and Model Wizard
 - NaviSailor electronic chart systems (NS2500, NS3000 ECS and ECDIS)
 - **Authorized by USCG** to instruct approved training courses at Pacific Maritime Institute and at Maritime Institute of Technology (2000-2004), including: Tankerman PIC-DL (Ship and Barge), Electronic Chart Display and Information Systems (ECDIS), Automatic Radar Plotting Aids (ARPA), Radar Observer (Rivers, Inland, and Unlimited), Bridge Resource Management, Advanced Stability, Basic and Advanced Cargo Handling, Advanced Voyage Planning and Electronic Navigation, Basic Electronic Navigation
 - Interfacing of electronic chart systems with electronic navigation sensors, incl. AIS
 - Simulation networking for classroom applications & Basic IT skills

Past work experience – SeaRiver Maritime, Inc. (19 years)

- **Chief mate, second mate & third mate**, August 1981 to July 2000
- **SeaRiver Maritime, Inc.**, 800 Bell St., Rm 4.081A, Houston, TX 77002
- Contact: Joy Busch, Fleet Manning, (877) 290-1422, 1, 2
- Duties & accomplishments:
 - **Cargo transfer responsibilities** as junior officer, supervisor of all cargo operations and vessel seaworthiness as chief officer (beginning January 1988), including loading and discharging cargo tanks, cargo pump and valve operations, tank cleaning and inspection, inert gas operations, cargo custody, logs and records for a variety of ships including 1950's vintage tankers to modern chemical and VLCC tankers
 - Mastered sophisticated **technical skills in handling liquid petroleum cargo** of many grades and types, including crude oil, refined products, and chemicals
 - **Crew supervision and training** in deck operations, seamanship, lookout and helm duties and skills, and all aspects of cargo operations
 - Overall **supervision of deck operations during shipyard repair periods** as chief mate, including writing of repair specs, inspections, regulatory testing, and surveys
 - **Knowledge of ports** in SE Alaska, US West Coast, Panama West Coast and Caribbean Coast, US Gulf Coast, Mississippi River, Puerto Rico, and US East Coast
 - **Navigational officer** responsible for maintenance and installation of navigation equipment, management and updating of paper and electronic chart portfolios, and training on new systems, including ECDIS

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Past Work Experience, Continued

Past work experience – other (10+ years)

- Transas **ECDIS operator training**, Chilean Navy, Valparaiso, May 2003
 - Transas **simulator trainer training**, Institute Maritime du Quebec, April 2003
 - ARPA and BRM **training development** with SeaRiver Maritime Inc., including assistant instructor in marine simulation, regularly over 2 years (1998-2000)
 - Marine **simulation design & competency assessment** projects, Esso Norway, on assignment by SeaRiver Maritime Inc. (6 months during 1999-2000)
 - **Onboard Trial Assessment & Implementation**, joint project between Battelle Seattle Research Center and SeaRiver Maritime Inc. (October 1999)
 - **Passenger ferry operator**, part-time, 2 years (Mare Island Ferry, Vallejo, CA) (1979-80)
 - **Tour boat operator**, summer job (Viking Tours, Newport, RI) (1977-78)
 - **Newspaper reporter**, *Providence Journal*, part-time position (1975-1977)
 - **Crew on vessel positioning voyages** worldwide, intermittent over 10 years (Hempstead Navigation Service, Exeter, RI) (1968-1977)
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Marine & Trainer Qualifications

Marine-related training received

- Leadership & Managerial Skills course, PMI, Seattle, WA – 5-day (2015)
 - Simulator maintainer training, Transas USA, Bothell, WA – 5-day (2012)
 - Radar Recertification course, GMATS/Kings Point, NY – 1-day (2012)
 - Basic Safety Training course, GMATS/Kings Point, NY – 4-day (2008); Fremont Maritime, Seattle, WA – 5-day (2003)
 - ARPA & Radar training, Pacific Maritime Inst., Seattle, WA – 5-day (2002)
 - Global Maritime Distress and Safety Systems course, Pacific Maritime Inst., Seattle, WA – 10-day (2000)
 - Bridge team & ARPA training (SeaRiver Maritime), STAR Center, Dania, FL – 5-day (2000)
 - Adv. Marine Firefighting / Strategy & Tactics, Texas A&M Univ. – 5-day (1999)
 - Emergency Preparedness simulation course & ARPA training, STAR Center, Dania, FL – 10-day (1998)
 - Dangerous Liquid Cargo course (SeaRiver Maritime) – 5-day (1998)
 - Federal HazMat training course, Houston, TX – 2-day (1997)
 - Manned Model Shiphandling, Warsash Maritime Ctr, Marchwood, UK – 5-day (1997)
 - Ship Handling Simulator & ARPA training (“Navigation Decision Making”), Marine Safety Int., Newport, RI – 10-day (1994)
 - Adv. Marine Firefighting / Strategy & Tactics, Texas A&M Univ. – 5-day (1991)
 - Ship Handling Simulator & ARPA training (“Bridge Team Management”), Marine Safety Int., Newport, RI – 5-day (1990)
 - Occupational Health and Safety Training (SeaRiver Maritime) – 5-day (1993)
 - Crude Oil Washing & Inert Gas Systems, Seaman’s Church Inst., NY – 5-day (1986)
 - Emergency Care & Sea Survival Training, Emergency & Safety Programs, Inc., Houston, TX – 5-day (1986)
 - Marine Firefighting and Emergency Training, Texas A&M Univ. – 5-day (1982)
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Marine & Trainer Qualifications, Continued

Trainer qualifications

Formal instructional training:

- Qualified vendor trainer for Transas NaviSailor 4000 (Transas GET-Net program, hosted at USMMA) 4-day (February 2012)
- Trainer training on Sperry VisionMaster FT ECDIS (provided by David Tobin, hosted at Resolve Maritime Academy) 5-day (April 2012)
- Simulation Trainer Training course (run by Sam Teel, hosted at Mass. Maritime Academy) 5-day (January 2005)
- Train the Trainer & “Core Facilitation Skills” with Development Dimensions International (June 1999)
- “Conducting Assessments of Mariner Proficiency” workshop, Battelle Seattle Research Center (June 1999)

Trainer and classroom instructor

- 15 years training officers and ratings in necessary knowledge and skills in navigation, deck operations and cargo handling as second mate and chief mate
- 4 years instructing proficiency-based courses at maritime school

Technical writing training:

- Information Mapping Seminar – 5-day (1999)
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Presentations & Publications

Marine presentations delivered

- **Presentations on electronic navigation** at various conventions and meetings:
 - “My Axioms of ECDIS”, Council of American Master Mariners, Baltimore, MD, Apr, 2017; & Transas Americas, Buenos Aires, Argentina, May, 2017
 - “Using simulation to teach navigation”, Transas Americas, Buenos Aires, Argentina, Nov, 2016
 - “Polar Code simulator training”, Transas Simulator Users Conf., Singapore, Jan, 2016
 - “Training (requirements?) suited to e-Navigation”, eNavigation Conf., Seattle, WA, Dec, 2015
 - “Integrated navigation training: Putting it all together from the start”, Nautical Institute Seminar, San Francisco, CA, May, 2015
 - “Training requirements in the era of e-Navigation: What is, and what ought to be”, Pacific Maritime Magazine E-Navigation Conference, Seattle, WA, Nov. 2014
 - “Automation awareness in marine navigation”, 18th International Navigation Simulation Lecturers Conference, Buzzards Bay, MA, September 2014
 - “Electronic charts for e-Navigation”, Pacific Maritime Magazine E-Navigation Conference, Seattle, WA, Nov. 2013
 - “Training for integrated navigation”, Transas Users Conference, Maryland, 2013
 - Panel moderator & discussion leader, “Equipment accuracy and reliability indicators”, Pacific Maritime Magazine E-Navigation Conference, Seattle, WA, Nov. 2012
 - “Training for competent integrated navigation”, 17th International Navigation Simulation Lecturers Conference, Rostock, Germany, July 2012
 - “Requirements & training for competent ECDIS navigation”, International Ship Masters Association (ISMA), Owen Sound, Ontario, Canada, Feb. 2012
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Presentations & Publications, Continued

Marine presentations delivered, (continued)

- “(Not really) ECDIS training”, Radio Technical Commission for Maritime Services (RTCM), May 2011
 - “Competent ECDIS navigation”, Maritime Education Summit, Texas A & M at Galveston, March 2011
 - “Competency in ECDIS navigation”, Pacific Maritime Magazine E-Navigation Conference, Seattle, WA, Nov. 2010
 - “Competency in piloting with ECDIS”, American Pilot Association Conv., Nov, 2010
 - “Competency in ECDIS navigation”, Digital Ship USA, Stamford, CT, October 2010
 - “Design for Outcomes: Solo navigation training at USMMA”, Marine Simulation Users Conference, Federal Law Enforcement Training Center (FLETC), Brunswick, GA, May 2010
 - “Teaching ECDIS at the U.S. Merchant Marine Academy”, Surface Warfare Officers School (SWOS), Newport, RI, March 2010
 - “Teaching ECDIS at the U.S. Merchant Marine Academy”, Digital Ship USA, Stamford, CT, October 2009
 - “Integrated Multiple Ownship Simulation: Where the learning takes place”, 15th International Navigation Simulation Lecturers Conference, St. Johns, Nfld., July 2008
 - “The old ways of the new navigation”, Nautical Institute, MITAGS, October 2007
 - “Using wheelhouse electronics”, 2006 American Pilot Association Conv., Nov, 2006
 - “The end of part task training as we know it”, 2nd Transas Users Conf., June 2005
 - “Introducing AIS”, American Waterways Organization (AWO), May 2004
 - “Interfacing AIS with electronic charts”, Pacific Maritime Magazine 2nd Annual AIS Conference, Seattle, WA, November 2002
 - “A mariner’s perspective on the use of ECDIS and AIS”, American Association of Port Authorities (AAPA), May 2002
 - “Certifying Mariners in the Operational Use of ECDIS”, Radio Technical Commission for Maritime Services (RTCM), June 2001
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Marine instructor training delivered

- **Delivered training seminars on Transas ECDIS and NaviTrainerPro Pro systems:**
 - Instructor & operator training in NTPro simulation, Escuela Naval Militar De Bolivia, May 2017
 - Instructor NTPro5 Ice Module simulator training, Escuela Nacional de Náutica, Buenos Aires, Argentina, May 2017
 - Instructor & operator training in NTPro simulation, Texas City Independent School district, Houston, TX, Apr, 2017
 - Instructor & operator training in NTPro simulation, Pasadena Independent School district, Houston, TX, Feb, 2017
 - Instructor & operator training in NTPro simulation, Marathon Petroleum at Mountwest Maritime, Huntington, WV, Feb, 2017
 - Instructor & operator training in NTPro simulation, Washington State Ferries at SMA, Seattle, WA, Nov. & Dec. 2016
 - Instructor NTPro5 Ice Module simulator training, Escuela Naval (ESNAL), Montevideo, Uruguay, Nov, 2016
 - Instructor & operator training in NTPro simulation, Seattle Maritime Academy, Seattle, WA, Oct. 2016
 - Instructor & operator training in NTPro simulation, Royal Canadian Marine SAR, Sep, 2016
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Presentations & Publications, Continued

Marine instructor training delivered, (continued)

- Instructor & operator training in NTPro simulation, Galena Park Independent School District, Aug, 2016
 - Instructor & operator training in NTPro simulation and Transas ECDIS, Western Maritime Institute, July 2016
 - Operator training in NTPro simulation, Massachusetts Maritime Academy, July 2016
 - Instructor & operator training in NTPro simulation, British Columbia Ferries, Nanaimo, CA, June 2016
 - Instructor & operator training in NTPro simulation, NYPD Counter Terrorism Unit, New York, NY, June 2016
 - Instructor & operator training in NTPro simulation, Univ. of Alaska Southeast, Maritime Program, Ketchikan, AK, Apr, 2016
 - Instructor & operator training in NTPro simulation and Transas ECDIS, San Jacinto Community College, Houston, TX, Apr, 2016
 - Instructor training in ECDIS and NTPro simulation, Texas Maritime Academy, Galveston, TX, Sept. 2015
 - Instructor training in ECDIS and NTPro simulation, SIU/Paul Hall Center, Piney Point, MD, April, 2015
 - ECDIS instructor training, Maine Maritime Academy, Castine, ME, April, 2015
 - Operator training in NTPro, NYPD, New York, NY, May, 2015
 - Instructor training in NTPro simulation, New York Harbor School, New York, NY, Feb., 2015
 - ECDIS instructor training, BRAM Training Center, Macaé, Brazil, Oct. 2014
 - Auditor training for marine instruction, Nautical Institute, London, UK, Sept., 2014
 - ECDIS instructor training, Fundação de Estudos do Mar, Rio de Janeiro, July 2014
 - Instructor training in ECDIS and NTPro simulation, Int'l Crew Training, Florida, July 2014
 - Instructor training in ECDIS and NTPro simulation, Tidewater Community College, Virginia, June 2014
 - ECDIS instructor training, The Maritime Training Institute, Louisiana, May 2014
 - Instructor training in ECDIS and NTPro simulation, Maersk Training Center Brazil, Rio de Janeiro, April 2014
 - ECDIS instructor & operator training, STAR Center, Florida, March 2014
 - Instructor training in ECDIS and NTPro simulation, NAVALEC/FIDENA, Veracruz, Mexico, Dec. 2013
 - ECDIS instructor training, Centro de Simulação Aquaviária, Rio de Janeiro, June 2013
 - ECDIS instructor training, Great Lakes Maritime Academy, Traverse City, MI, March 2013
 - Simulator instructor training, Massachusetts Maritime Academy, Buzzards Bay, MA, October 2012
 - Simulator instructor training and ECDIS instructor training, Resolve Maritime Academy, Ft. Lauderdale, FL, Nov. 2011
 - Simulator instructor training, Surface Warfare Officers School Command, Newport, RI, May 2007
 - Operator training, SeaRiver Maritime (at MITAGS), May 2004, Nov. 2003
 - Instructor training, US Merchant Marine Academy, Kings Point, March 2004
 - Operator training, Chilean Navy, Valparaiso, May 2003
 - Trainer training, Institute Maritime du Quebec, April 2003
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Marine publications**• Publications (print)**

- “Asking the Navigational Question: What do I need to know? What am I looking at? What are my options?” *Maritime Logistics Professional* (6:3, Sept. 2016)
- “Automation awareness in marine navigation: How good is this data?”, *Pacific Maritime Magazine* (Dec. 2014)
- “Christian Hempstead’s 22 Axioms of ECDIS”, serialized online, Hydro International (Aug.-Dec. 2014)
- “Automation awareness in marine navigation”, *18th International Navigation Simulation Lecturers Conference*, Buzzards Bay, MA, (Sept. 2014)
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- “Charting paperless navigation in U.S. waters”, *Maritime Professional* (Dec. 2013)
- *ECDIS Model Course 1.27 (2012 Edition)*, published by IMO, May 2012
- “Mastering safe navigation with ECDIS”, *Maritime Professional* (Sept. 2011)
- *Revised ECDIS Model Course 1.27 (2010 Edition)*, as paper submitted by IMO Secretariat as STW 43/3/1, May 2011
- “New STCW rules require competence in safe navigation using ECDIS”, *Professional Mariner* (Feb. 2011)
- “ECDIS training – ensuring competence.” *Digital Ship* Nov. 2010: 31-33.
- “Assessing competence in ECDIS navigation.” *16th International Navigation Simulator Lecturers’ Conference Proceedings* Dalian, China July 12-16, 2010: 59-74.
- “Integrated Navigation Labs at USMMA”, *Kings Pointer Alumni Magazine* (Summer 2007)
- “The networked bridge is making its way toward wireless chart displays”, *Professional Mariner* (June/July, 2005)
- “ECDIS and the Art of Navigation”, *Professional Mariner* (Aug./Sept. 2002)
- “Electronic Charts”, Chapter 14, *The American Practical Navigator [Bowditch]*, 2002
- *Conducting Mariner Assessments: A Practical manual for Assessors*, contributor, Battelle Seattle Research Center for the USCG, June 2000
- “Tanker Navigation,” *Ocean Navigator* (Sept./Oct. 1986)

Literary presentations and publications**• Presentation of scholarly research in literature at various conventions internationally:**

- “Metaphors of Tyranny in Merton’s *Behavior of Titans*,” paper presented at the Fifth Kansas Merton Conference, Nov. 1997
- “Reading Dante’s *Commedia* in Merton’s *Seven Storey Mountain*,” jointly-authored paper presented at the Southampton Conference of the Thomas Merton Society, LSU College, May 1996
- “Dante’s *Divine Comedy* and Merton,” paper presented at the Third Kansas Merton Conference, Nov. 1995
- “The Convergence of Thomas Merton and William Everson,” article published in *Grail* (June 1995); paper presented at the Third General ITMS Meeting, Colorado Springs, June 1993
- “The Traveling of Clarity,” review in *The Merton Seasonal* (Spring 1995)
- “Cycles of Perception: Essays toward an Ecological Psychology through Diverse Acts of Literature,” unpublished manuscript based on Master’s Thesis (August 1994)
- “Progress of Identity: The Pilgrim’s Dreams in *Purgatorio*,” a paper presented at the North East Modern Language Association conference, April 1994
- “Wallace Stevens and a Post-Jungian Approach to Modernism,” paper presented at the American Literature Association conference, May 1992

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Legal Consulting Experience

Legal consulting

- Collision of the M/V SUMMER WIND with the M/V MISS SUSAN in the Texas City ‘Y’ area of the Houston Ship Channel, and the consequent consolidated Civil Actions of C.A. No. 3:14-cv-000132 and C.A. No.3:14-cv-0000134 in U.S. District Court for the Southern District of Texas, Galveston Division, Chaffe McCall file 44221; [CMNO-ChaffeDMS.FID155957]
 - Provided counsel for M/V SUMMER WIND’s owner with expert advice and background analysis of simulation runs, data and related reports as generated by the plaintiff (submitted Nov. 2015; civil penalties assessed against plaintiff Sept. 2016)
 - **Chaffe McCall LLP**
801 Travis St., Suite 1910, Houston TX 77002; Contact: Tom Forbes, Partner, (504) 585-7041, forbes@chaffe.com
- Striking and subsequent sinking of passenger and vehicle ferry QUEEN OF THE NORTH, criminal proceedings resulting, Crown v. 4th officer Karl-Heinz Ligert, Vancouver Supreme Court File No. 25634
 - Provided defendant’s counsel with expert analysis and advice on the use of ECS and analysis of documents and testimony (trial Jan-June 2013)
 - **Glenn Orris Law Corporation**
500 - 815 Hornby St., Vancouver, B.C. V6Z 2E6; Contact: Olga Schwartzkopf, Legal Assistant, (604) 669-6711, olga@orrislawcorp.com
- Collision of the M/V MSC CARLA with the DonJon Dredge while being assisted by New York harbor tugs, Index No. 12 Civ. 0475 (ALC), Blank Rome file 660736.00608
 - Provided expert analysis and advice on pertinent SVDR radar and AIS data pertaining to the ship collision (settled 12/2012)
 - **Blank Rome LLP**
405 Lexington Ave., New York, NY 10174-0208; Contact: Richard V. Singleton, (212) 885-5166; Rsingleton@BlankRome.com
- Gateway Offshore Pipeline Co. v. M/V ANTALINA and Perovo Shipping Co. Ltd., marine damages claim, Texas Southern District Court, Case No. 4:2010cv00860
 - Provided plaintiff with expert analysis of vessel position reports and other vessel track information; consulting included review of case material, analysis of historical hurricane data, reconstruction of disabled vessel drift event using hydrodynamic simulation, and submittal of summary report (9/01/2011)
 - **Gardere Wynne Sewell LLP**
1000 Louisiana, Suite 3400, Houston, TX 77002; Contact: Peter A. McLauchlan, Partner (713) 276-5730; pmclauchlan@gardere.com

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Legal Consulting Experience, Continued

Legal consulting, (continued)

- Gregory Mouton v. Encompass Insurance Co., et al, lost wages claim, 16th JDC No. 113391, Div. G, (Inabnet & Jones ref. 207-17)
 - Provided defense with expert analysis with regards to seagoing work-related issues, licensing and STCW requirements for merchant marine deck officers, and shoreside employment opportunities for deck officers; consulting included review of case material, submittal of written reports, and testimony during jury trial (concluded 5/27/2010)
 - **Inabnet & Jones**
1331 West Causeway Approach, Mandeville, LA, 70471; Contact: Scott G. Jones, (985) 624-9920; scott@inabnetjones.com
- Grounding of the container ship M/V NEW DELHI EXPRESS in dense fog near Bergen Point, NJ, on 04/15/06.
 - Provide expert analysis with regards to findings of the National Transportation Safety Board's conclusions regarding the actions of the docking pilot during the grounding; consulting included close analysis of data from radar, voyage data recorder, Coast Guard Vessel Traffic Service, and submittal of written report (9/27/07).
 - **New Jersey Maritime Pilot and Docking pilot Commission**
One Penn Plaza East, 9th Floor, Newark, NJ 07105; Contact: Thomas F. Daly, Commissioner, (973) 491-7693; tomdaly37@aol.com
- Striking and subsequent sinking of passenger and vehicle ferry QUEEN OF THE NORTH, civil actions claiming damages resulting (CBE File No.: 8669050)
 - Provide extensive expert advice on electronic aids to navigation, in particular ECDIS, with regards to findings of Transportation Safety Board of Canada during period of their preparation (4/07-2/08) of their Marine Investigation Report M06W0052; consulting included close examination and analysis of electronic data recovered from navigation system.
 - **Cohen Buchan Edwards**
Suite 208 4940 No. 3 Road, Richmond B.C., Canada V6X 3A5; Contact: Jack Buchan, (604) 273-6411; jack@cbelaw.com
- M/V KARIBA c/w M/V TRICOLOR, *In re Otal* 03cv 4304 (HB Ref. No.: 093379-0078)
 - Reconstruction of the collision of 12/02/02 between the M/V KARIBA and the M/V TRICOLOR using simulation, reproducing a reasonable facsimile of the M/V KARIBA's radar display, and video demonstration of reconstruction; consulting included depositions, trial declaration, and cross-examination at trial, U.S. District Court in New York. Judge's Opinion & Order on case 1/05/06
 - **Healy & Baillie, LLP**
61 Broadway, New York, NY 10006-2834; Contact: Alan M. Weigel, Esq. (212) 855-5350; aweigel@blankrome.com

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Legal Consulting Experience, Continued

Legal consulting, (continued)

- Timothy J. Farley v. Keystone Shipping Co., et. al., Court of Common Pleas, Philadelphia County, PA, Civil Action – Law, May Term 2002, No. 0957
 - Review of case material and research of relevant tanker practices and regulations and submittal of written report on behalf of Saul Ewing client (defendant). Settlement of case 9/24/04
 - **Saul Ewing, LLP**
Center Square West , 1500 Market Street, 38th Floor, Philadelphia, PA 19102-2186;
Contact: Edward J. Kelbon Jr. (215) 972-8405; ekelbon@saull.com
 - Kevin Cosgrove v. Chemical Formulators, Inc., Case No.: 03 497 (BP File No.: 2268-0302011)
 - Review of case on behalf of Butler Pappas client (defendant) and research of relevant licensing and training regulations. Settlement of case 12/10/03
 - **Butler Pappas Weihmuller Katz Craig, LLP**
Bayport Plaza, 6200 Courtney Campbell Causeway, Suite 1100, Tampa, FL 33607;
Contact: Irene Nielson (813) 281-1900; inielson@butlerpappas.com
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