

CURRICULUM VITAE - RICHARD DOW STEWART, Ph.D., CTL

Professor – Transportation and Logistics - School of Business and Economics

Director Transportation and Logistics Research Center www.uwsuper.edu

Co-Director Great Lakes Maritime Research Institute – www.glmri.org

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EDUCATION

RENSELAER POLYTECHNIC INSTITUTE, Lally School of Management, Troy, New York

- ❑ Ph.D., Urban and Environmental Sciences, 1997

Research Focus: Ports and Transportation Environmental Management and Policy

UNIVERSITY OF WISCONSIN-GREEN BAY, Green Bay, Wisconsin

- ❑ Master of Science, Environmental Studies, 1982

Research Focus: Marine Transportation Environmental Management and Policy

UNITED STATES MERCHANT MARINE ACADEMY, Kings Point, New York

- ❑ Bachelor of Science, Marine Transportation, 1973

ACADEMIC CAREER

UNIVERSITY OF WISCONSIN–SUPERIOR

Professor, School of Business and Economics, and Director, UW Superior Transportation & Logistics Research Center, August 1999 to present - Tenure Granted September 2002, Promoted to Full Professor 2004, Appointed Co-Director, Great Lakes Maritime Research Institute 2005, served as Chair of Department of Business and Economics, 2011 to 2015.

- ❑ Manage undergraduate Transportation and Logistics Management major.
- ❑ Develop and teach up to three courses per term in Transportation and Logistics.
- ❑ Establish and manage internship program for Transportation and Logistics Management major.
- ❑ Direct federally funded Transportation and Logistics Research Center.
- ❑ Established and Co-direct Great Lakes Maritime Research Institute.
- ❑ University representative to Wisconsin Space Grant Consortium.
- ❑ Administer grants awarded to the Transportation and Logistics Research Center.
- ❑ Principal Investigator and grant writer.
- ❑ Manage Department of Business and Economics as Chair from 2011 to 2015.

UNITED STATES MERCHANT MARINE ACADEMY-KINGS POINT, NY

Professor, June 1996 – August 1999, Tenure Granted 1993, Promoted to Full Professor 1995

- ❑ Instructed advanced and basic classes in a new eleven-month trimester program.
- ❑ Developed new course materials, lecture notes, computer simulation labs, interactive experiments, audio visual aids, and field trips on Great Lakes and inland vessels.
- ❑ Researched, authored, and published articles on maritime training/education, marine environmental management, port, and intermodal operations.
- ❑ Award winning community outreach service on regional and national level.
- ❑ Service on committees, and established internship programs with Great Lakes and inland transportation companies.
- ❑ Academy Delegate to the 1998 National Ocean Conference.

Academic Department Head, Department of Marine Transportation 1989-1996

- Established policy and goals for major USMMA department and managed 23 tenure track professors, four administrative staff, and four field grade Army, Air Force, and Coast Guard active duty officers.
- Planned and managed department budgets and dual-building facility with six laboratories.
- Served as Consultant for Academy Continuing Education Program, collaboratively designed/developed new courses, and participated in research studies.
- Established collaborative union relationships to implement successful annual curriculum transitions. Developed, monitored, and maintained faculty performance development and appraisal systems within union/administrative parameters.
- Chaired seven faculty selection committees that included the hiring of the first female, black, and Middle Eastern faculty members in the Department.
- Taught an average of six credits per term and updated courses and independent study programs.
- Spearheaded Development Team, implemented new major, developed common nautical science core curriculum, and revised 22 courses.
- Collaborated with Department of Shipboard Training to design comprehensive Deck Cadet Internships and a new innovative Pilotage Program for the Great Lakes.
- Major contributor to Strategic Planning Committee development of new Academy vision and mission statement. Also served on calendar committees that led to conversion from quarter to semester program.
- Upgraded and expanded Department's simulation teaching program and introduced state-of-the-art radar simulation system within \$1million budget parameters.
- Integrated Cargo Operations, Port Sim, Poseidon GMDSS, and other computer-based interactive simulation systems into curriculum.
- Chaired National Seamanship Trophy Selection Committee and served as Executive Board Member on 10 Committees from 1988 to 1991.
- Directed award winning Midshipmen Debate and Forensics Program for seven consecutive years. Coached, researched, scheduled, and judged intercollegiate tournaments.
- Instructed Offshore Midshipmen sailing participants and provided ongoing advisory support.
- Represented Academy at conventions and forums and delivered presentations to Congressional staff, alumni organizations, USMMA Parents Associations, and Maritime Colleges.

Assistant Department Head 1988 - 1989

- Assisted in direction of Department of Marine Transportation and reported directly to Dean.
- Instructed three courses per term.

Associate Professor, Department of Marine Transportation, 1987 - 1988

- Taught independent studies and four courses per term.
- Sailed on Merchant Marine License and participated in Faculty Return-to-Sea Program.

ACADEMIC COMMITTEES AND SERVICE

UW-Superior

- Faculty Senate – School of Business and Economics Representative 2017- present
- UW-Superior Foundation Campaign Steering Committee – Faculty Representative
- Personnel Committee- UWS School of Business and Economics (SBE) 2003- present
- SBE Awards, Curriculum
- International Studies Committee
- Affirmative Action and Equal Opportunity Committee
- Chair: NCA Working Group on Foreign Languages
- Library Committee
- Student Reinstatement Committee
- Continuing Education Committee
- SBE Search and Screen Committees (served on eight, Chair of four)
- Department of Language and Literature Spanish Search and Screen Committee
- Lake Superior Marine Museum Archive Advisory Committee

- Reviewer for Transportation Journal and TRB Committee
- Masters Thesis Committee Member, University of Delaware Graduate School
- Master Thesis Committee Member, Michigan Technological University
- Doctorate Thesis Committee Member, University of New England Graduate School
- Doctorate Thesis Committee Member, University of Manitoba, Winnipeg.
- Doctorate Thesis Committee Member, University of Toledo

United States Merchant Marine Academy

- Faculty Promotion and Tenure Committee
- Chair, Professor Emeritus Committee
- Chair, Honorary Degree Committee.
- Strategic Planning Committee
- Committee on Academic Teaching and Standards
- Chair, Electronic Navigation Committee
- Chair, National Seamanship Trophy Committee
- Great Lakes Program Coordinator
- Examiner and Evaluator, New York Regents College

TEACHING EXPERIENCE

- Urban Planning and Transportation Systems (upper-level undergraduate), UW-Superior
- Transportation Economics (upper-level undergraduate), UW-Superior
- Supply Chain Management (upper-level undergraduate) UW-Superior
- Marine Transportation Management (upper-level undergraduate), UW-Superior
- Port and Terminal Management (upper-Level undergraduate), UW-Superior
- International and Intermodal Freight Operations (upper-level undergraduate), UW-Superior
- Land Transportation Management (lower-level undergraduate) UW-Superior
- Transportation Internship (upper-level undergraduate UW-Superior
- Macro and Miro Economics (lower level undergraduate), UW-Superior
- Mentor McNair Scholar UW-Superior
- Environmental Management (upper-level undergraduate), USMMA
- Transportation Business Management (upper-level undergraduate), USMMA
- Great Lakes Transportation Systems (upper-level undergraduate) ,USMMA
- Port and Terminal Operations (upper-level undergraduate), USMMA
- Principles of Transportation (undergraduate upper-level), USMMA
- Seamanship and Ship Maneuvering (upper level undergraduate), USMMA
- Vessel Computer Simulation (upper-level undergraduate), USMMA
- Introduction to Nautical Science (undergraduate lower-level), USMMA
- Marine Transportation Management and Port Operations (Graduate Level), University of Delaware
- Global Logistics, USMMA Continuing Education
- Marine & Inland Transportation Systems World Trade Institute, NY Certificate program
- Ship Maneuvering, Port Operations and Marine Transportation, US Navy
- American Society of Transportation and Logistics online CTL certification program.

RESEARCH PROJECTS

- Principal Investigator Wisconsin Space Grant Consortium 2016-2017 Higher Education Incentives Grant award recipient. \$9,993.00 grant: “Developing a Model for Supply Chain Management Internships in the Aeronautics and Space Industry and Government,”
- Principal Investigator Wisconsin Space Grant Consortium to develop and host 26th Annual 2016 Wisconsin Space Grant Annual Meeting at UW-Superior August 10-12. Highest attendance ever. \$10,000
- Co-Principal Investigator for Co-operative Agreement between the U.S. Maritime Administration and the Great Lakes Maritime Research Institute to conduct research on maritime commerce on the Great Lakes. Awarded September 2011, up to \$2,000,000 each year over five years.

- ❑ Principal Investigator for federal grant “Improving Container Pooling in the Upper Midwest”, Center for Freight Infrastructure Research and Education (CFIRE) Awarded August 2011, \$75,000.
- ❑ Co-Principal Investigator for federal grant for the Great Lakes Maritime Research Institute to conduct research on maritime commerce on the Great Lakes. Awarded October 2010, \$450,000.
- ❑ Principal Investigator for federal grant “Improving Log Transportation with Data Based Monitoring and Analysis in Northern Wisconsin and Upper Peninsula of Michigan”, Center for Freight Infrastructure Research and Education (CFIRE), Awarded June 2010, \$70,000.
- ❑ Center for Freight Infrastructure Research and Education (CFIRE) National University Transportation Center National Center consortium member 2010-2016, \$750,000.
- ❑ Principal Investigator EPA Region 5 Clean Diesel Grant to Repower the M/V *Edwin H. Gott*, US EPA and Key Lakes I, Inc. July 2010, \$750,000.
- ❑ Principal Investigator on “Study of Greenhouse Gas Saving Associated with Congestion Reduction Using Multi Modal Optimization of Timber Shipments in the North Central United States”, US Department of Transportation, Awarded October 2008, \$250,000.
- ❑ Center for Freight Infrastructure Research and Education (CFIRE), National University Transportation Center National Center consortium member, 2008-2010, \$300,000.
- ❑ Co-Principal Investigator for federal grant to establish Great Lakes Maritime Research Institute and conduct research on maritime commerce on the Great Lakes. Awarded 2005, 2006, 2007, 2008 and 2009, \$5.25 Million.
- ❑ Principal Investigator for grant on Evaluation of Shipper Requirements and Rail Service for Northern Wisconsin and the Upper Peninsula of Michigan. US Department of Transportation, Wisconsin Department of Transportation, and CN Railroad, Awarded April 2005. \$250,000.
- ❑ Rail to Truck Modal Shift: Impact of Increased Freight Traffic on Pavement Maintenance Costs, Midwest Regional University Transportation Center, Wisconsin Department of Transportation. Awarded April 2005, \$87,000.
- ❑ Principal Investigator for grant establishing guidelines for warehouse interns, Warehouse Education Research Council, Awarded December 2002, \$25,000.
- ❑ Principal Investigator for grant on Potential Establishment of an Intermodal Service for the Twin Ports. Midwest Regional University Transportation Center; U.S., Wisconsin and Minnesota Departments of Transportation; Metropolitan Interstate Planning Committee; and Duluth Seaway Port Authority, Awarded November 2001, \$150,000.
- ❑ Principal Investigator: Pig Iron Supply Chain, Northshore Mining Corporation, Awarded, 2000, \$35,000.
- ❑ Researcher for US Department of Transportation Grant to develop teaching modules in Transportation, Distribution and Logistics, Awarded June 2000-January 2002. \$15,000.
- ❑ Project Manager for US Department of Labor Title III Grant to develop training program and train incumbent workers in Transportation and Logistics, Awarded 1999-2002, \$900,000.
- ❑ Project Manager for research contract, “Computer Based Rules of the Road: Interactive Computer Testing,” Phase I & II for US Coast Guard Research and Development Center, 1996, \$25,000.
- ❑ Researcher and Field Tester, “Dependent Automatic Tracking System for Vessel Traffic Services,” USCG Research and Development Center. Awarded \$25,000, 1995.
- ❑ Co-Principal Investigator for National Science Foundation Grant for “Development of Teaching through Interactive Computer Systems,” US Merchant Marine Academy, 1991 - 1993.
- ❑ Navigation Panel for “US Electronic Chart Display and Information Systems Test Bed Project,” Woods Hole Oceanographic Institute, 1991 - 1993.

HONORS AND AWARDS

- ❑ Awarded Sabbatical Spring Semester 2017
- ❑ James Rainaldo Mentor Award – UW-Superior Alumni Association September 2014
- ❑ Spirit of Superior Award, UW-Superior May- 2014
- ❑ Outstanding Academic Advisor Award –UW-Superior – 2009
- ❑ UW-Superior Center for Academic Service - Learning Performance Award in Recognition of Excellence – 2009
- ❑ Max Lavine Professional Paper Award, UW-Superior 2008
- ❑ Excellence in Scholarship, UW-Superior 2008
- ❑ Distinguished Service Award, UW-Superior, 2006
- ❑ Wisconsin IDEA Fellow Award, UW-System, 2004-2005

- ❑ Wisconsin State Teaching Scholar Award, UW-System, 2003
- ❑ Max Lavine Professional Paper Award, UW-Superior, 2003
- ❑ Best Professional Paper Award, Council of American Master Mariners, May 1999
- ❑ Certificate of Merit for notable services to the US Coast Guard, 1998
- ❑ Certificate of Appreciation, CAMM Executive Committee service, 1996
- ❑ Academy's Women's Volleyball Team, Eastern College Athletic Conference (ECAC) Certificate of Appreciation Award for four years of Officer/Advisor Contributions, 1994
- ❑ MARAD Special Act Award 1990 and 1994
- ❑ US Merchant Marine Academy Alumni Foundation Outstanding Professional Achievement Award, 1993
- ❑ Burlington Northern IANA Fellowship Award for Transportation Professors, 1992

PUBLICATIONS

- ❑ Stewart, Richard, Natalie Burger, Erica Hansen, Gavin Johnson, "An Analysis of the Status of Undergraduate Transportation Management Education in the United States", *Journal of the Transportation Research Forum*, Volume 56, Number 1, Spring 2017. Peer reviewed
- ❑ "Inland Waterways Liquefied Natural Gas (LNG) Infrastructure Study and Development of the LNG Supply Chain (Phase III)", Co-Principal Investigator: Dr. Richard D. Stewart, Carol J. Wolosz with researchers LCDR Judson Coleman, USCG, Cassandra Roemhildt, Hiroko Tada, U.S. Department of Transportation, Maritime Administration, Cooperative Agreement # DTMA1H11002 Final Report", May 20, 2016. Edited
- ❑ Stewart, Richard, Hiroko Tada Maggard, "Japan Liquefied Natural Gas (LNG) Intermodal Container Operations: Applicability to U.S. Operations", *Proceedings of the Transportation Research Forum: 2016 Annual meeting*, May 2016. Peer reviewed
- ❑ Stewart, Richard, Natalie Burger, Erica Hansen, Gavin Johnson, "An Analysis of the Status of Undergraduate Transportation Management Education in the United States", *Proceedings of the Transportation Research Forum 2016 Annual meeting*, May 2016. Peer reviewed
- ❑ "Development of the Adoption of Liquefied Natural Gas as a Fuel for Shipping on the Great Lakes" Stewart, Richard, Carol Wolosz, *Transportation Research Record No 2479: Journal of the Transportation Research Board*, May 2015, Peer reviewed.
- ❑ "Factoring a real value of cargo in port investment and funding decisions", Simkins, Zamira, Richard Stewart, *Journal of Maritime Economics and Management*, Taylor and Francis, 2015, Peer reviewed.
- ❑ "Wisconsin Ports Strategic Planning a Structural Analysis of Best Practices in North America", Stewart, Richard, Libby Ogard, Cassandra Roemhildt, prepared for the Wisconsin Commercial Ports Association, Great Lakes Maritime Research Institute, 2014. Edited
- ❑ "Port Management, Chapter 2", Stewart, Richard, *The Business of Transportation, Volume 2*, edited by Darren Prokop, Praeger, 2014. Edited
- ❑ "MARAD/Great Lake LNG/Repowering Study: Phase II Cooperative Agreement # DTMA1H11002 Final Report", April, 2014. Edited
- ❑ "Savings from green lighting aboard ships", Stewart, Richard, *Green Marine Magazine*, pp. 44-45, April 2014. Edited
- ❑ "Rail Served Intermodal Terminals in Rural Regions: Challenges and Opportunities", Stewart, Richard *Proceedings of the CLTT Symposium Gulfport, MS, USA, February 26-27, 2014*. Peer reviewed
- ❑ "Expanding the capabilities and use of Automatic Identification Systems (AIS)", Mokashi, Amit, Richard Stewart, *Proceedings of the CLTT Symposium Gulfport, MS, USA, February 26-27, 2014*. Peer reviewed
- ❑ "Evaluating Export Container Pooling in MN, WI and MI's Upper Peninsula", Stewart, Richard, Pasi Lautala, Libby Ogard, National Center for Freight & Infrastructure Research & Education, Madison, WI, May 2013.
- ❑ "MARAD/Great Lake LNG/Repowering Study: Phase I Cooperative Agreement # DTMA1H11002 Final Report", December 15, 2012, Edited
- ❑ "Multimodal Freight Transportation Within the Great Lakes--Saint Lawrence Basin, NCFRP -17", CPCS Transcom Limited, University of Toledo, Economic Development Research Group, Prime Focus, Sustainable Ports, Richard Stewart, Transportation Research Board, Washington DC, March, 2012. Peer reviewed
- ❑ Michigan Economic Development Corporation Forestry Biofuels Statewide Collaboration Center, Task B1 Evaluation of Michigan Biomass Transportation Systems. Lautala, Pasi, Richard Stewart, Robert Handler, Hamed Pouryousef, Forestry Biofuels Statewide Collaboration Center, Michigan Technological University March 2012, Edited.

- ❑ “Improving Log Transportation with Data Based Monitoring and Analysis in Northern Wisconsin and Upper Peninsula of Michigan”, Stewart, Richard, Pasi Lautala, Libby Ogard, National Center for Freight & Infrastructure Research & Education (CFIRE), Madison, WI, February 2012, Edited
- ❑ “Team Teaching Urban Planning and Transportation Systems: Project-Based Pedagogy”, Gabrys Alexson, Randy, and Stewart, Richard, S Volume 2, Issue 1 of *Spaces and Flows: An International Journal of Urban and ExtraUrban Studies*, 2012. Peer reviewed
- ❑ “The Energy Inefficiency of Marine Transportation: A Case Study of Flawed Data and Analysis”, Richard Stewart, Transportation Research Record No 2273, Journal of the Transportation Research Board, May 2011. Peer reviewed.
- ❑ “Navigation, Dredging and Protection: The Checkered History Of Channel Maintenance, Chapter 10”, Fruin, Jerry and Stewart, Richard, Water Policy in Minnesota: Issues, Incentives and Actions, Edited by Ester, K. William and Perry, Jim, The RFF Press Water Policy Series, 2011. Edited
- ❑ “Bayfield County, WI Unofficial Park and Ride Lots: Inventory and User Survey”, Report prepared for Wisconsin DOT and Bayfield County, Stewart, Richard, UW-Superior Transportation and Logistics Research Center, January, 2011. Edited
- ❑ International Logistics, 3rd Edition, Pierre David and Richard Stewart, Cengage, January 2011
- ❑ “The Study of Greenhouse Gas Saving Associated with Congestion Reduction Using Multi Modal Optimization of Timber Shipments in the North Central United States”, Prepared for US Department of Transportation, Richard D. Stewart, Pasi Lautala, Libby Ogard, Mei Cao, Kurt Paterson, Gregory Graman, Justin Hicks. , June 01, 2010. Edited
- ❑ “The Merchant Marine Act of 2010” Great Lakes Seaway Review, Volume 38, Number 2, Harbor House, Boyne City, Michigan, edited, 2009. Edited.
- ❑ The Economics and Logistics of Transporting Taconite Mining and Processing Byproducts (Aggregate): Minnesota and Beyond, Zanko, Lawrence, Elizabeth Ogard, Richard Stewart, Final Report to the Minerals Coordinating Committee, Technical Report NRRI/TR-2008/19 Natural Resources Research Institute, Duluth MN, October 2008. Edited
- ❑ Rail to Truck Modal Shift: Impact of Increased Freight Traffic on Pavement Maintenance Costs, Richard D. Stewart, Libby Ogard, Anthony Pagano, Christopher Williams, Jason P. Bausano, Project 06-03, Midwest Regional University Transportation Center, Madison, WI, , January 2008. Edited
- ❑ “Agents of Change”. Great Lakes Seaway Review, Volume 37, Number 2, October-November 2008, Harbor House, Boyne City, Michigan. Edited.
- ❑ “The Potential Impact of Prince Rupert on the Twin Cities and the Twin Ports”, Richard Stewart, Xiubin Wang, Adolph Ojard, Proceedings of the Canadian Transportation Research Forum, June 2007. Peer reviewed.
- ❑ “Do Institutional Mechanisms Exist to Set and Enforce Standards for the Great Lakes that Exceed the Ballast Water Performance and Exchange Standards Established by the International Maritime Organization?”, Commission by National Research Council of the National Academies of Science, Great Lakes Shipping, Trade and Aquatic Invasive Species, Transportation Research Board Special Report 291, 2007. Peer reviewed
- ❑ International Logistics, 2nd Edition, Pierre David and Richard Stewart, Thomson Publishing, January 2007. Edited.
- ❑ Evaluation of Shipper Requirements and Rail Service for Northern Wisconsin and the Upper Peninsula of Michigan, Richard Stewart, William Sproule, William Bajjali, Xiubin Wang, Pasi Lautala, Libby Ogard, US Department of Transportation Grant Report, August 2006. Peer reviewed.
- ❑ “Wisconsin Case Study of Modal Shift of Short line Rail to Highways,” Christopher Williams, Jason P. Bausano, Richard Stewart, Libby Ogard, Proceedings of the 2006 Mid-Continent Transportation Research Forum, University of Wisconsin-Madison, August 2006. Edited.
- ❑ “Engaging Shippers and Carriers in Freight Advocacy – Communication Pays Off”, Pasi Lautala, William Sproule, Libby Ogard, Richard Stewart, Proceedings of the 2006 Mid-Continent Transportation Research Forum, University of Wisconsin-Madison. August 2006. Edited.
- ❑ “Prince Rupert to the Twin Cities: The Potential Value Added of a New Intermodal Service” Richard D. Stewart, Adolph Ojard, Xiubin Wang, Proceedings of the 6th International Conference of Transportation Professionals, 2006 Dalian, China. Edited.
- ❑ “Great Lakes Marine Transportation System” White Paper Prepared for the Midwest Freight Corridor Study, Midwest Regional University Transportation Center. Madison, WI, April, 2006. Edited.
- ❑ Guide to Warehouse Internships, Warehouse Education Research Council, Oak Brook, II, 2005. Edited.

- ❑ Twin Ports Intermodal Freight Terminal Study, Research Report, Richard Stewart, Robert Eger III, Libby Ogard, Frank Harder, Midwest Regional Transportation Research Center, National Transportation Library Catalog Number DFDA 20.701, Washington, DC, July 2003, Peer Reviewed.
- ❑ “Parameters for a Roll On-Roll Off Marine Intermodal Service for Lake Superior”, Transportation Research Record, No. 1820, Richard Stewart, Terry Lavoie, Nathan Shutes, Journal of the Transportation Research Board May 2003, Peer Reviewed.
- ❑ “Teaching Modules For Transit Systems”, Grant Report, The Transportation and Distribution Logistics Initiative, Illinois Department of Education, Springfield IL, May 2002, Edited.
- ❑ “Fitting into the Transportation Stream of the Future”, Great Lakes Seaway Review, October-December 2000, Edited.
- ❑ “Supply Chain Feasibility Study for Pig Iron: Prepared for Northshore Mining, Inc.”, Stewart, Richard, Neil Hensrud, Robert Beam and Shaun Lynch, 2001. Edited.
- ❑ “The Business of Shipping, Reviewed”, Book Review for the Transportation Journal, Winter 2000 Edited.
- ❑ “Merchant Marine Reserve in Peace and War”, Naval Reserve Association, June 2001. Edited.
- ❑ "Transportation and Value Added Mining Products", Skilling's Mining Review, May 2000. Edited.
- ❑ “US Surge Sealife Capabilities: A Question of Sufficiency”, Parameters, Journal of the Army Command College, Department of the Army, Dr. Richard Stewart, Major David Harris, USA, March, 1998. Edited.
- ❑ Achieving the Objectives of the International Safety Management Code: The Role of the Consultant and the External Auditor, Rensselaer Polytechnic Institute Press, Doctoral Dissertation, 1997.
- ❑ “A Tale of Two Ports: A Study in Dredging Dispute Resolution,” Corporate Environmental Strategy, The Journal of Environmental Leadership, Summer 1997, Edited.
- ❑ “Technology, Intermodal Transportation and Port Productivity: Throughput Maximization and Environmental Sustainability”, Journal of Urban Technology, Vol. 3, No. 2, Spring 1996, Helmick, Jon, Richard Stewart, Tom Wakeman, Peer Reviewed.
- ❑ “Chapter VII-Maritime Safety and Environmental Regulations,” The World Market and US Shipping Policies Quorum Books, New York, April 1996. Edited.
- ❑ “Criterion-Based Assessment of Marine Simulator Operator Performance,” Alexandria, Egypt, Stewart, Richard, Marvin McCallum, Myriam Smith, George Sandberg, Douglas Hard, Robert Meurn Proceedings of the International Conference on Marine Simulation Towards Safer Seas & Cleaner Oceans, February 23-27, 1996. Edited.
- ❑ “Interactive Rules of the Road Testing Using Part Task Simulation, Part 2, Stewart, Richard, George Sandberg Seaways, January 1996, Silverdale Press, Middlesex, UK. Edited.
- ❑ “Interactive Rules of the Road Testing Using Part Task Simulation, Part 1, Stewart, Richard, George Sandberg Seaways, December, 1995, Silverdale Press, Middlesex, pp 8-9. Edited.
- ❑ “Feasibility Assessment of an Interactive Rules of the Road Tester”, Proceedings of the International Symposium in Human Factors on Board: The Influence of the Man-Machine Interface, Stewart, Richard, Myriam Smith, George Sandberg, Douglas Hard. 1995. Edited.
- ❑ Interactive Rules of the Road Testing: Phase 1, prepared for US Coast Guard Research and Development Center, Groton, Connecticut, Stewart, Richard, George Sandberg, Douglas Hard, Robert Meurn, National Technical Information Service, December 1995, Edited.
- ❑ “Curbing Marine Pollution through Education,” Stewart, Richard, George Sandberg, the Journal of Commerce, September 30, 1993, p. 7. Edited.
- ❑ “The Cadet Officer Relationship aboard Merchant Vessels,” fall 1993 edition of Sidelights, Vol. 22, No. 3.
- ❑ “The Once Proud South American Barely Survives,” Lake Superior, April/May 1990, Volume 12, issue 2, pp. 66-68.
- ❑ A Lake Michigan Hovercraft Ferry System: Environmental Analysis, University of Wisconsin- Green Bay Press, 1982. Master’s Thesis.

ACADEMIC CONFERENCE PRESENTATIONS – PEER REVIEWED

- ❑ Stewart, Richard, Hiroko Tada Maggard, “Japan Liquefied Natural Gas (LNG) Intermodal Container Operations: Applicability to U.S. Operations”, Transportation Research Forum 2016 Annual meeting, Toronto Canada, May, 2016.

- ❑ Stewart, Richard, Natalie Burger, Erica Hansen, Gavin Johnson, “An Analysis of the Status of Undergraduate Transportation Management Education in the United States”, Transportation Research Forum 2016 Annual meeting, Toronto, Canada, May 2016.
- ❑ “Liquefied Natural Gas (LNG) Bunkering by Vessel in the Great Lakes: An Analysis of Regulatory and Operational Issues”, LCDR Judson Coleman, USCG and Richard Stewart, Ph.D., CTL, Marine Environmental Committee: Session 776, Transportation Research Board Annual Meeting, Washington, DC January 13, 2016.
- ❑ “Sustainable Development: Where Rivers Meet Open Water: A Great Lakes Perspective”, Marine Group (AW000) & Marine Environment (AW030): Session 708 Presentation P16-1805, January 12, 2016. Transportation Research Board 95th Annual Meeting, Washington, DC, January 12, 2016.
- ❑ “Analyzing What Works Best for Transportation Education” Gholston, Sampson, MD Sarder, Richard Stewart, Amit Mokashi, Joan Chadde, Transportation Research Forum, February 12, 2015.
- ❑ “Ports and LNG as Maritime Fuel”, Transportation Research Board Annual Meeting, Session 294 - P15-6387, Washington, DC, January 12, 2015.
- ❑ “Rail Served Intermodal Terminals in Rural Regions: Challenges and Opportunities”, Transportation Research Board Annual Meeting AT050 Committee, Washington DC, January 12, 2015.
- ❑ “The Challenges of the LNG Supply Chain for Fueling Marine Transportation”, Workshop on Natural Gas as a Fuel for Freight Transport, Transportation Research Board, Irvine, Ca, May 13-14, 2014.
- ❑ “Rail Served Intermodal Terminals in Rural Regions: Challenges and Opportunities”, CLTT, Symposium Gulfport, MS, February 26-27, 2014.
- ❑ “Measuring a Port’s Performance Using the Real Economic Value of Commodities”, Simkins, Zamira, Richard Stewart, Transportation Research Board Annual Meeting, Washington, DC, January 2013.
- ❑ “Measuring a Port’s Performance Using the Real Economic Value of Commodities”, Simkins, Zamira, Richard Stewart, Transportation Research Board Summer Meeting, Washington, DC, June 26, 2012.
- ❑ “Regulations and Policies That Limit the Growth of the U.S. Great Lakes Cruising Market” Stewart, Richard, International Association of Marine Economists Annual Meeting, Santiago, Chile, November, 2011.
- ❑ “Team Teaching Urban Planning and Transportation Systems: Project-Based Pedagogy”, Gabrys Alexson, Randy, and Stewart, Richard, Spaces and Flows Annual Meeting, Prato, Italy, October, 2012.
- ❑ “Analyzing Log and Chip Truck Performances in the Upper Peninsula of Michigan by Using GPS Tools Combined with Daily Log Sheets”, Lautala, Pasi, Pouryousef, Hamid, Stewart, Richard, Ogard, Libby and Vartiainen, Janne, Transportation Research Forum, Annual Meeting, 2011.
- ❑ “The Energy Inefficiency of Marine Transportation: A Case Study of Flawed Data and Analysis”, Presented at: Transportation Research Board Annual Meeting, January 2011.
- ❑ “Dedicated Funding for University Maritime Research –Issues and Opportunities’. Presented at CMTS/TRB Meeting Transforming the Marine Transportation System: A Vision for Research and Development, Los Angeles, CA, June 29, 2010.
- ❑ “Marine Air Emissions,” AW000 Session 157, Transportation Research Board Annual Meeting, Washington DC, January 2008.
- ❑ “Marine Invasive Species,” Transportation Research Board, Session 308, AS030, Annual Meeting, Washington DC, 2008.
- ❑ “Measuring the Impact of Rail to Road Modal Shift: Results from Three Case Studies,” Anthony Pagano, Christopher Williams, Jason P. Bausano, Richard Stewart, Libby Ogard, TRB Paper #08-1871, Transportation Research Board Annual Meeting, Washington DC, January 2008.
- ❑ “A Case Study of Modal Shift of Shortline Rail to Highways”, R.D Stewart.; A, Pagano; L. Oggard; J. Bausano; and R.C. Williams, 11th World Conference on Transport Research, Berkeley, California, June 24-28, 2007.
- ❑ “The Potential Impact of Prince Rupert on the Twin Cities and the Twin Ports,” Canadian Transportation Research Forum, Richard Stewart, Xiubin Wang, Adolph Ojard, June 04, 2007.
- ❑ “Prince Rupert to Twin Cities: Potential Value Added of New Intermodal Freight Service,” Richard Stewart, Xiubin Wang, Adolph Ojard, Paper 07-2246 Transportation Research Board, 86th Annual Meeting, Washington DC, January 2007.
- ❑ “Intermodal Terminal Requirements for Small to Medium Size Communities: A Case Study Analysis,” Richard Stewart, Libby Ogard, Frank Harder, (04-8103) Transportation Research Board, 83rd Annual Meeting, Washington DC, January 2004.
- ❑ “Parameters for a Roll-On-Roll-Off Marine Intermodal Service on Lake Superior,” Richard Stewart; Terry La Voie, BS; Nathan Shutes, BS; (03-3828) Transportation Research Board, 82nd Annual Meeting, Washington, DC.

- ❑ “Evaluation of Potential Intermodal Rail Terminal Locations in the Twin Ports”, Richard Stewart, Connie Kimball, BS; April Doornek; Brian Granholm, BS; (03-4063) Transportation Research Board, 82nd Annual Meeting, Washington, DC, January 13, 2003.
- ❑ “The Potential Impact of Pig Iron Production in Northeastern Minnesota on Great Lakes Shipping”, Great Lakes and Great Rivers Section of the Society of Naval Architects and Marine Engineers, Traverse City, MI, October 2002.
- ❑ "Transportation and Logistics Education: A Holistic Approach," 35th Annual Conference of the International Society of Logistics Engineers, New Orleans, LA, August 8, 2000.
- ❑ “Utilizing Computer Simulation in Shiphandling Instruction”, Society of Marine Engineers and Naval Architects H-10 Ship Controllability Panel, New York, October 14, 1998. Peer reviewed
- ❑ “The Educational Process Developed at the United States Marine Academy for the Training of Cadets in the Application of Electronic Display Information Systems (ECDIS) in Vessel Operations,” Richard Stewart, Craig Flinn, USMS. ECDIS 93 Conference, Baltimore, Maryland, March 8-9, 1993.
- ❑ “Evaluation of Remote Vessel Tracking and Control Preliminary Trials,” RTCM Annual Assembly Meeting, Bal Harbor, FL, Richard Stewart, Dr. Lee Alexander, USCG Research & Development Center, June 3, 1992.
- ❑ “Educating the Deck Officer in the Year 2000,” Society of Naval Architects and Marine Engineers Metropolitan Meeting, September 1991.
- ❑ Development of Great Lakes Cruise Trade,” 1990 Ship Operations, Management, and Economics Symposium, New York Chapter of the Society of Naval Architects and Marine Engineers, April 26, 1990.

CONFERENCE PRESENTATIONS

- ❑ “Should We Have Truck Platooning In Wisconsin”, Wisconsin Department of Transportation Freight Advisory Committee Meeting, Madison, WI, November 9, 2017.
- ❑ “Developing a Model for Supply Chain Management Internships in the Aeronautics and Space Industry and Government”, Richard Stewart and Marta Larson Wisconsin Space Grant Consortium 2017 Annual Meeting UW-La Crosse, WI, August 10, 2017.
- ❑ “Our Transportation and Logistics Cluster: The Region’s Great Asset”, Richard D. Stewart, Ph.D. CTL, Minnesota Department of Transportation District 1 Annual Meeting, May 4, 2017.
- ❑ “Our Transportation and Logistics Cluster: The Region’s Great Asset”, Richard D. Stewart, Ph.D. CTL, Regional Economic Indicator Forum, Duluth, MN November 1, 2016.
- ❑ Stewart, Richard, “Great Lakes Marine Transportation: Past, Present and Future”, Richard D. Stewart, Ph.D. CTL, Lexington Group Annual Meeting, Duluth, MN, September 28, 2016.
- ❑ “Educating our Future Transportation Workforce”, NWWIB’s 13th Annual Business Conference, Ashland, WI, May 13, 2015.
- ❑ “LNG as a Transportation Fuel”, Society for Mining, Metallurgy and Exploration Annual Meeting, Duluth, MN, April 15, 2015.
- ❑ “Transportation Modes and Their Effect on Your Supply Chain”, MMAC World Trade Association’s 51st Annual Wisconsin International Trade Conference Transportation Panel, Milwaukee, WI, April 15, 2015.
- ❑ “The Development of a Liquefied Natural Gas (LNG) Supply Chain in the Great Lakes Region”, 3rd Annual World Congress of Ocean, Dalian, Peoples Republic of China, October 18, 2014.
- ❑ “Climate Change Impacts on the Great Lakes Shipping Industry” 4th Annual Congress of the Canadian Marine Pilots Association, Niagara Falls, Ontario, September 11, 2014.
- ❑ “Serving Industrial Parks by Rail”, American Planning Association Wisconsin Chapter Conference, Madison, WI, June 13, 2014.
- ❑ “Discussing the Challenges of the Natural Gas Supply Chain for Transportation Fuel”, NAFTA NEXT: Energizing Trade Corridors, Chicago, IL, April, 23, 2014.
- ❑ “Establishing LNG Fuel Terminals in a Port” Stewart, Richard, Maritime Economic Development Workshop, American Association of Port Authorities, Chicago, IL June 27, 2013.
- ❑ “The Non-Freight Economic Engines of River Transportation”, Stewart, Richard 3rd Annual Yangtze-Mississippi Rivers Forum Wuhan, Peoples Republic of China, October 12, 2012.
- ❑ “Analyzing Log and Chip Truck Performances in the Upper Peninsula of Michigan by Using GPS Tools Combined with Daily Log Sheets”, Lautala, Pasi, Pouryousef, Hamad, Stewart, Richard, Ogard, Libby and Vartiainen, Janne, Forest Products Society 66th Annual Meeting, June 03, 2012.

- ❑ “A Holistic Transportation and Logistics Education System”, Ohio Conference on Freight, Toledo, Ohio, September 15, 2010.
- ❑ “Great Lakes Cruising Past and Future”, Association for Great Lakes Maritime History 2010 Annual Meeting, Superior, WI September 11, 2010.
- ❑ “Outlook of Transportation & Logistics” American Association of Railroad Superintendents Annual Meeting, Duluth, MN, June 28, 2010
- ❑ “The Energy Inefficiency of Marine Transportation: A Case Study of Flawed Data and Analysis”, Joint International Meeting Lake Carriers Association and Canadian Shipowners, Niagara-on-the-Lake, Canada, June 20, 2010.
- ❑ Where Is Your Future: Educating Tomorrows’ Managers, Transload Distribution Association Annual Meeting, San Antonio, TX, April 20, 2010.
- ❑ “The Energy Inefficiency of Marine Transportation: A Case Study of Flawed Data and Analysis”, Presented at: Society of Naval Architects and Marine Engineers Great Lakes and Great Rivers Section, Winter Meeting Cleveland, Ohio, February 12, 2010.
- ❑ “The Changing Landscape of Logistics, Transportation and Supply Chain Education”, Intermodal Association of North America 27th EXPO, Anaheim CA, November 16, 2009.
- ❑ “Dedicated Funding for University Maritime Research: Issues and Opportunities”, Presented at METRANS Urban Freight Conference, Long Beach, Ca, October 21, 2009
- ❑ “Climate Change Impacts on the Great Lakes Shipping Industry”, Lake Superior Binational Forum, Superior, WI, January 31, 2009.
- ❑ “Expanding Great Lakes Short Sea Service,” Great Lakes and St. Lawrence Seaway Cities Initiative, Superior, WI December 05, 2008.
- ❑ “The St. Lawrence Seaway In The Future,” Minnesota Invasive Species Conference, Duluth, MN, October 27, 2008.
- ❑ “Addressing Freight and Intermodal Transportation Solutions within Your Region – An Overview,” National Rural Transportation Peer Learning Conference, Duluth, MN, August 18, 2008.
- ❑ “Challenges in Establishing Intermodal Service,” Green Bay Intermodal Conference, Green Bay, WI, May 19, 2008.
- ❑ “The Only Constant is Change: Transportation Changes In The Upper Midwest,” Keynote Presentation, University of Minnesota Center for Transportation Studies 11th Annual Freight and Logistics Conference, November 30, 2007.
- ❑ “The Potential Impact of Prince Rupert on the Twin Cities and the Twin Ports”, Twin Cities Air Cargo Association, Minneapolis, MN, November 20, 2007.
- ❑ “Great Lakes Maritime Commerce and Global Warming: Dredging Impacts,” Making a Great Lake Superior Conference, Duluth, MN, October 29, 2007.
- ❑ “Carbon Credit Trading and Great Lakes Maritime Commerce,” Society of Naval Architects and Marine Engineers, Great Lakes and Great Rivers Sectional Meeting, Marinette, WI, September 21, 2007.
- ❑ “Great Lakes Maritime Commerce and Global Warming: Operational Impacts,” International Association of Great Lakes Researchers Annual Meeting, Penn State University, May 31, 2007.
- ❑ “The Future of Great Lakes Vessels as Links in Dynamic Supply Chains,” Society of Naval Architects and Marine Engineers, Great Lakes and Rivers Section Meeting, March 01, 2007 Cleveland, OH.
- ❑ “Transportation Changes and their Potential Impact on Forest Products,” Minnesota SAF Winter Conference, Ely, MN, January 31, 2007.
- ❑ 07-2246 Transportation Research Board, 86th Annual Meeting, Washington DC, January 2007. Peer reviewed.
- ❑ “Northern Wisconsin, Upper Peninsula, MI Rail Study-Student Research Involvement,” Richard Stewart, Xiubin Wang, Eldon Eagle, Wisconsin Economics Association, Stevens Point, WI, October 20, 2006. .
- ❑ “Great Lakes Maritime Research- Future Shipping Opportunities”, Great Lakes Commission Annual Meeting, Duluth, MN, October 04, 2006.
- ❑ “Great Lakes Maritime Commerce Research”, Council of Great Lakes Research Managers Annual Meeting, Duluth, MN, October 03, 2006.
- ❑ “Great Lakes Shipping Opportunities”, Transportation Research Board Seaway Project, Toronto, ON, September 29, 2006.
- ❑ “Planning Issues for Shipper Requirements and Rail Service for Northern Wisconsin and the Upper Peninsula of Michigan”, 2006 Wisconsin DOT/MPO/RPC Planning Conference, Duluth, MN.
- ❑ “Great Lakes Maritime Environmental Issues”, Great Lakes Green Marine, St. Catherine's, ON, June 27, 2006.

- ❑ “What Great Lakes Maritime Environmental Course Should We Steer?” Maritime Day, Cleveland, OH, March 2006.
- ❑ “Transportation Evolution in the Upper Midwest and Potential Impacts on Wood Product Movements”, 5th Forest and Wildlife Research Review, Sustainable Forests Education Cooperative, Cloquet Forestry Center, January 11, 2006.
- ❑ “Rail Service: Future Options for the Upper Midwest”, Transportation Club of Minneapolis and St. Paul, January 10, 2006.
- ❑ “Great Lakes Maritime Research Institute-Research Goals,” Great Lakes Waterways Management Forum, Sarnia, ON, Canada, November 18, 2005.
- ❑ “Research Projects: Pavement Impact of Rail to Truck Modal Shift, Growing Rail Freight: Tools for Shippers,” Wisconsin Department of Transportation Annual Railroad Conference, Madison, WI, November 9, 2005.
- ❑ “Great Lakes Short-Sea Shipping (GLSSS)”, Wood Products, Highway H20 Session, St. Lawrence Seaway Development Corporation, Duluth, MN, September 08, 2005.
- ❑ “Great Lakes Short-Sea Shipping (GLSSS)”, Wisconsin Commercial Ports Association Annual Meeting, Washburn, WI, September 15, 2005.
- ❑ “Research Projects: Pavement Impact of Rail to Truck Modal Shift, Growing Rail Freight: Tools for Shippers,” Midwest Regional and Short line Railroad, Annual Conference, Grand Rapids, MN, July 19, 2005.
- ❑ “The Gathering Supply Chain Storm,” TRB Summer Conference, Boston, MA, July 11, 2005.
- ❑ “Supply Chain and Carrier Transitions,” 3M Roofing Industry Conference, Bemidji, MN, April 30, 2005.
- ❑ “Dedicated Funding for Maritime Research,” White Paper for Journal of Commerce Domestic Maritime Conference, Hilton Head, SC, April 5, 2005.
- ❑ “The Gathering Supply Chain Storm,” Ship Operations Cooperative Program 9th Annual Meeting, Piney Point, MD, October 2004.
- ❑ “Rural Transportation Freight Issues”, James L. Oberstar Forum on Transportation Policy and Technology, March 14-16, 2004.
- ❑ “Great Lakes Short Sea Shipping,” Ship Operations Cooperative Program, 8th Annual Meeting, Piney Point, MD, October 2003.
- ❑ Presentation to University of Manitoba and Chair of Panel on “Containerization of Grain” with CN and Maersk Shipping Line, November 2003.
- ❑ “Creating a New Wisconsin Model for Transportation Research,” Wisconsin Economic Summit II, Milwaukee, WI, November 2001.
- ❑ “Regional Transportation Issues and Options,” Duluth Economic Summit, Duluth, MN November 2001.
- ❑ “Operating under the ISM Code in the Year 2010,” American Institute of Marine Underwriters Seminar, NY, May 04, 1999.
- ❑ “The Rationale for the Mariner as a Professional”, Council of American Master Mariners Professional Development Seminar, Connecticut, May 03, 1999.
- ❑ “Maritime Education: Expectations and Realities,” Third Women Underway Symposium, USMMA, Kings Point, November 1994.
- ❑ “Electronic Chart Display and Information Systems: The Potential Impact on Marine Insurance,” American Marine Insurance Forum, New York, May 19, 1994.
- ❑ “Environmental Education and Training in Transportation: A Growth Industry,” Globe 94 Environmental Conference, Vancouver, Canada, March 24, 1994.
- ❑ “Trends in Marine Transportation,” LOG-92 Senior Transportation Executive Development Seminar, Air Force Institute of Technology, Dayton, OH, August 1992.
- ❑ “Maritime Education for the Prevention of Pollution,” United States Congressional Committee on Science Space and Technology, presented in testimony, February 1992.
- ❑ “Maritime Training for Reduced Manning,” National Transportation Safety Board, Washington, DC, January 1992.
- ❑ “The US Merchant Marine in the Gulf War and After,” Senior Transportation Executive Development Seminar, Air Force Institute of Technology, Dayton, OH, July 1991.

PROFESSIONAL ORGANIZATIONS & ADVISORY BOARDS

- Member Freight Advisory Committee for the Wisconsin Department of Transportation 2015- present
- Member Advisory Panel to the Council of Great Lakes Governors' Marine Task Force 2014 - present
- U.S. Environmental Protection Agency – Advisory Board on Great Lakes Restoration 2013- present
- Society of Naval Architects and Marine Engineers, Full Member
- International Shipmasters Association
- Council of Supply Chain Management, Education Committee Member
- Warehouse Education Research Council, Educator Member
- American Society of Transportation and Logistics, CTL & Examiner, 2005-2016
- Member Nautical Institute
- Duluth-Superior Transportation Association – President 2011-2012
- Council of American Master Mariners, past National Vice President
- Propeller Club of the United States
- Marine Society of New York
- Institute of Supply Management, Educator member
- Appointed by US Secretary of Transportation in 1993 to US Coast Guard Advisory Committee, Merchant Marine Personnel Advisory Committee (MERPAC) 1995 appointed Chair of Committee, 1998 awarded Certificate of Merit by the US Coast Guard for outstanding service as member and chair.
- Superior Port Land Use Plan Metropolitan Interstate Committee, 2002-2003
- Duluth Port Land Use Plan, Metropolitan Interstate Committee, 2004-2006
- Society of Naval Architects and Marine Engineers, Cargo Handling Committee 1992-1996
- Citizens Advisory Committee Member, St. Louis River Watershed, Duluth, Minnesota, 1996 – 1997
- Member, Board of Directors, Lake Superior Railroad Museum, 2009-present
- Member, Board of Directors, Lake Superior Marine Museum, 2000-2006
- Member, Transportation Research Board Committee, on Ports and Channels, AW010, 2005-2014
- Member, Transportation Research Board ,Marine Environmental Committee, AW030, 2006-2015
- Member Transportation Research Board Committee: Logistics of Disaster Response and Business Continuity, AT065T. 2014-Present
- Member, Board of Directors, Great Lakes Observing System, 2006 - 2009
- Member, Board of Directors, Northern Pines Girl Scout Council, 2006- 2007
- Member, Green Marine Environmental Committee, 2006- Present

LICENSES & CERTIFICATIONS

- US Coast Guard issued Merchant Marine License: Master of Steam or Motor Vessels of any Gross Tons upon Oceans – Valid until January 2022.
- Global Marine and Distress Safety System (GMDSS) permanent FCC license.
- Standards for the Training and Certification of Watchstanders, 1995 (STCW 95) Certified: First Aid, Advanced Marine Firefighting, CPR, Radar Endorsement.
- Certified in Transportation and Logistics (CTL), American Society of Transportation and Logistics and APICS.

MILITARY SERVICE

- United States Naval Reserve, 1973 – 2003 Honorably Discharged with the rank of Captain, USNR Specialist, Merchant Marine/Naval Interface, Transportation of Hazardous Cargo, Port Operations, Convoy operations and underway replenishment at sea, sealift.
- Merchant Marine Vietnam War Zone Service Medal – 1968, 1970, 1971.

TRANSPORTATION MANAGEMENT CAREER EMPLOYMENT

SEAHAWK MANAGEMENT, INC., Houston, Texas

Fleet Manager, 1986 - 1987

- Managed seven 45,000 displacement-ton vessels with capital replacement value of \$300 million.
- Directed daily operations including agent appointment, personnel management, maintenance and safety programs, port operations, and budget planning/implementation.
- Represented firm in union negotiations and operated business in union-management teamwork effort.

Master of Vessels, 1982 - 1986

- Commanded 45,000-displacement ton-tankers and bulk freighters with average capital cost of \$50 million.
- Appointed as master of new \$55 million vessel with automated engine room and reduced crew.
- Responsible for the safe operation of the vessel in compliance with charter provisions.
- Submitted three multi-million-dollar shipyard budgets and operated vessels in challenging foreign business environments and cultures.

INTEROCEAN TRANSPORT, Philadelphia, Pennsylvania

Chief Mate 1980-1982

- Second in command of an ultra large crude carrier (ULCC), with four million-barrel crude oil capacity.

GULF OIL CORPORATION, Philadelphia, Pennsylvania

Chief Mate, 1976 - 1979

- Second-in-command of crude product and chemical tankers.
- Trained cadets and provided consultative support for shipyard conversion of 40-product chemical tanker.

Second and Third Mate, 1973 - 1975

- Second and Third Officer aboard product tankers trading coastwise and worldwide.
- Ordinary Seaman and Messman, Sailors Union of the Pacific 1967-1968

ENTREPRENEURIAL EXPERIENCE

- ACCENT ON TRAVEL, INC., Whitewater, Wisconsin, 1979 – 1986 Founder/Corporate President**

CONSULTING HISTORY

- Gladstein, Neandross & Associates, Contributed to “LNG Opportunities for Marine and Rail in the Great Lakes, Gulf of Mexico, and Inland Waterways”, October 2014, Prepared of America’s Natural Gas Alliance
- Marine Cargo Surveyor – Burke Marine and National Cargo Bureau, 1998 - present
- Expert Witness Houston, 1998; Seattle 2000; Galveston 2001; Houston, 2002, 2006, 2008
- Developed and taught Marine Pollution, Tanker Operations, and Intermodal Freight Transportation Classes for USMMA Department of Continuing Education, 1989 – 2003
- Instructor for diploma program in Shipping and Port Operations, University of Delaware and Singapore Port Institute, 1990 – 1997, Joint program with Hong Kong and University of Delaware, 1999
- Instructor for diploma course in Marine Operations and Administration, Maine Maritime Academy, Singapore Port Institute, 1993
- Port Captain, Kerr Steamship, 1990, 1991, 1992
- Texaco Marine Services, Lamar University Ship Officers Business Management Training, 1989 - 1990
- Expert Witness Marine Cases, Houston, Texas, 1990; Cleveland, Ohio, 1992; Galveston, Texas, 1999
- US Maritime Administration, Shipboard Radio Officer Reduction and Electronics Training, 1987
- Great Lakes Cruise Line VCL, Inc., Market Survey and Operations Planner, 1986
- Sembawang Shipyard, Singapore, Falcon Shipping Group, Vessel Repair Supervisor, 1985

PROFESSIONAL TRAINING

- ❑ Fresh Connect: Supply Chain Management Simulation training 2017
- ❑ Marine Fire Fighting Advanced, STCW, Radar Observer, Leadership and Management 2016-2017
- ❑ Engineering Fundamental of Terminal Yard and Intermodal Facilities UW-Madison, 2004
- ❑ Transportation Claims Management and Prevention UW-Madison, 2001
- ❑ Transportation Asset Management Workshop, UW-Madison, 2001
- ❑ Defense Equal Opportunity Management Institute Training Seminar, 1997
- ❑ Det Norske Veritas ISM Code Basic and Internal Auditor Courses, 1996
- ❑ US Government Performance Appraisal Process Course, 1995
- ❑ American Bureau of Shipping ISO-9000 Management Training Course, 1993
- ❑ Total Quality Management in Government Seminar, 1992