



**Innovative Technologies for Ports and Logistics
Towards a Sustainable Resilient Future**



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Dr. Shmuel (Sam) Yahalom holds a Ph.D. in Economics from the Graduate Center of the City University of New York since 1984. He specializes in economics and finance of ports and terminals, maritime transportation, ocean shipping, marine highway (short sea shipping) and port and maritime security. He joined Maritime College in 1978 and was appointed Distinguished Service Professor in 2004. He was the director of the Graduate Program of Transportation Management in SUNY Maritime College for seven years. For eight years he was the Director of Research of Maritime College.

Research (Abridged Sample)

- ▶ Dr. Yahalom's career started with his Ph.D. dissertation, "Causality Relations Between the Effective Exchange Rate in Imports and Inflation in Israel" in 1984. Its subsequent publication (1984) changed the economic policy in fighting inflation in Israel and led, over a relatively short time, to the reduction of inflation from an annual rate of 444% to normal inflation rate levels in OECD countries.



- ▶ He and Dr. Guan Changqian in 2016 developed a new methodology of determining the minimum port time for containerships and its implications of containership economies of scale in the port, in the paper “Containership Port Time: The Bay Time Factor.” This model was used by the authors to answer, “Containership Bay Time and Crane Productivity: Are They on the Path of Convergence?” and to determine “Container Moves Per Lift: The Impact of Spreader Technology on Bay Time and Berth Time.” A related research topic is “Port Congestion and Economies of Scale: The Large Containership Factor.” The topic was just published (February 2023) in a book titled: ***Containership Bay Time: Impact on Port Time, Theory and Practice: A Handbook Approach.***
- ▶ His experience as an economist, researcher and consultant is in shipping, ports and terminal management, and supply chain (container terminal performance, containership operations, bulk ship performance analysis, marine highway, barge and tug operations, logistics, offshore wind, port pilots, strategic planning, port investments, etc.).
- ▶ He has published numerous articles and research reports frequently with Dr. Guan. He has lectured and presented his numerous research results in conferences and meetings nationally and internationally. The research articles, reports, lectures and quotations are primarily in the area of ports and maritime.
- ▶ He gave expert testimony in a dispute between a port terminal and a bulk carrier and provided expert analysis for port pilot compensation.
- ▶ Together with Dr. Guan he developed a new evaluation methodology for containership routing standardization for efficient use of containership voyage time and bulk carriers’ performance measure.
- ▶ His research paper on “The Dual Currency System in China” (1989), published in English and Chinese, addressed the need to change the Chinese dual currency system, which was subsequently changed in 1994.
- ▶ He is a member of the Connecticut Maritime Association (CMA). He has been responsible for the annual “Student Research Presentations” session in the CMA annual meeting in March since 2012.
- ▶ He was a Fulbright Professor in China (1987-1988) and a Visiting Professor in Taiwan (2001-2002).
- ▶ He has been interviewed for newspaper articles and quoted in newspapers and journals.