



**Impacts of the Fourth Industrial Revolution on Port-City Integration  
“World Port Sustainability Program Aspects”**



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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 nearly seven years. For eight years he was the Director of Research of Maritime College.

**Research (Abridged Sample)**

- Dr. Yahalom 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 Economics of Scale: The Large Containership Factor.”
- He 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.
- 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 has been interviewed for newspaper articles and quoted in newspapers and journals.