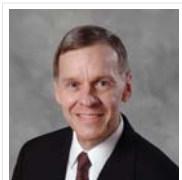


Global Transportation



Alan Erera
Director, Global Transportation
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A major factor in the strength of the world's economy is efficient, reliable, and safe freight transportation. The tragic events of 9/11 demonstrated that transportation systems are vulnerable to exploitation and potential disruption by criminal and/or terrorist groups. Guarding against future terrorist attacks has resulted in higher shipping costs, increased travel times, increased inventories, border delays, and other changes. With so much riding on the success of these systems, it is critical to improve their productivity, resilience, and security.

In response to these new challenges facing global supply chains, the H. Milton Stewart School of Industrial and Systems Engineering (ISyE) established the Center of Global Transportation. Housed in the Supply Chain and Logistics Institute, Stewart School faculty and students are helping map the future of global transportation by solving the world's most pressing problems in this area. Professors Alan Erera, Martin Savelsbergh, and Chelsea C. White III work in a variety of capacities to make freight transportation more efficient,

secure, and cost-effective. Each is dedicated to improving global transportation and security. Current research activities include:

- Determining the impact of freight transportation on global trade
- Accessing the impact of variability and uncertainty in

potential impacts of heightened security on system efficiency and reliability

- Leading interdisciplinary, comprehensive research among universities on issues associated with the trucking industry, such as labor, the firm, operations, and technology (Sloan Trucking Industry Program)

The transportation logistics team is dedicated to improving global transportation to make it more efficient, secure, and cost-effective.

freight transportation on global supply chains, including potential disruptions from terrorist attacks

- Developing tools and techniques for improving operational performance of the various freight transportation modes supporting global trade, such as air freight, sea cargo, rail freight, and trucks
- Developing approaches to improve coordination between different freight transportation modes at critical facilities such as seaports, railroad yards, and trucking terminals
- Investigating existing security practices in global freight systems and the

Creating efficient, secure, and effective systems for freight transportation is an extremely important initiative that is vital to the global economy. Join the Stewart School of ISyE in working toward improving these systems in the U.S. and abroad. The potential for improvement is enormous and your involvement can have a significant impact.



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