



Transportation Research Board

International Trade and Transportation (AT020)

Pre-Annual Meeting Call

December 8, 2022

Meeting Agenda

- I. Welcome and introductions. Juan Carlos Villa

- II. TRB Staff Report on the 2023 TRB Annual Meeting. Scott Babcock

- III. Committee Business.
 - The 2022 Mid-Year Meeting minutes. Elisa Arias
 - Research Coordinator Daniel Hackett
 - Young Members Council Chris Bachmann
 - Papers Submitted Isabel Victoria-Jaramillo

- IV. 2023 Annual Meeting
 - 2023 Annual Meeting AT020 Sessions - Juan Carlos Villa
 - Social Event Daniel Hackett, Juan C. Villa

- I. Adjournment

Welcome and Introductions

Please identify yourself with your name and affiliation in the **chat box** .

Committee Membership

- Juan Carlos Villa, Chair
- Maria Boile, Vice Chair
- Elisa Arias, Secretary
- Isabel Victoria-Jaramillo, Paper Review Coordinator
- Daniel Hackett, Committee Research Coordinator
- Irina Benedyk, Committee Communications Coordinator
- Chris Bachmann, Young Members liaison
- Mary Brooks, Emeritus Member

Welcome and Introductions

Committee Membership

Russell	Adise	Jose	Marquez
Maximilian	Bauernfeind	Melisa	Montemayor
Travis	Black	Ghim Ping	Ong
Joseph	Bryan	Martin	Rojas
Daniel	Covarrubias	Gisela	Rua
Maxim	Dulebenets	Paloma	Salas Esparza
Jagoda	Egeland	Eleftherios	Sdoukopoulos
Verena	Ehrler	Rohan	Shah
Emily	Hashimoto	Scudder	Smith
Tiffany	Julien	Ricuarte	Vazquez-Morales
Mitch	Kostoulakos	Claudia	Lagos Galindo

Committee Business

- The 2022 Mid-Year Meeting minutes. Elisa Arias
- Research Coordinator Daniel Hackett
- Young Members Council Chris Bachmann

Committee Business

- Papers Submitted

Isabel Victoria-Jaramillo

Article Title	For	Institution	Authors	Recommendations
Opportunities for Synchronodal Freight Transportation for US-Canada Transborder Trade in Great Lakes: Conceptualization and Descriptive Analysis	Both	McMaster University	Siyavash Filom; Saiedeh Razavi	YES (Presentation Podium)
Modeling Uncertainties in Liner Shipping and Ship Schedule Recovery: A Comprehensive Literature Review	Pres	Florida A&M University- Florida State University College of Engineering	Zeinab Elmi, M.Sc.; Prashant Singh, M.S., P.E., C.Eng.; Vamshi Krishna Meriga, B.S.; Krzysztof Goniewicz, Ph.D.; Marta Borowska-Stefańska, Ph.D.; Szymon Wiśniewski, Ph.D.; Maxim A. Dulebenets, Ph.D., P.E.	YES (Presentation Poster)
Sustainable Ship Schedule Design via Multi-Objective Collaborative Agreements amongst Shipping Lines and Marine Terminal Operators	Pres	Florida A&M University- Florida State University College of Engineering	Zeinab Elmi, M.Sc.; Junayed Pasha, Ph.D.; Maxim A. Dulebenets, Ph.D., P.E.	YES (Presentation Podium)
Setting-up an EU-based Port-Hinterland Corridor Value System: Structure and Main Reference Basis	Pres	Hellenic Institute of Transport	Eleftherios Sdoukopoulos, Ph.D., M.Sc., M.Eng.; Maria Boile, Ph.D., M.Sc., M.Eng.	YES (Presentation Podium)
Estimating End-to-End International Cross-Border Freight Fluidity for Planning Applications Sets	Both	Texas A&M Transportation Institute	Mario M. Monsreal, Ph.D.; Jose M. Rivera M.; Jason Ryan Wallis, MS; William L. Eisele, Ph.D.	NO

2023 Annual Meeting

- Sponsored Sessions

Juan Carlos Villa

Workshop: Freight Systems and Marine Transportation "Unconference"

Sunday, January 08 / 1:30 PM-4:30 PM ET

An "unconference" is a participant-driven meeting. Organizers will pose framing questions and organize interactive activities that will stimulate discussion with the goal of identifying topics ripe for further formal research needs. This workshop will include research needs statement development to be undertaken by the Freight Systems and Marine Group committees.

Participants:

- Shannon McLeod, American Association of Port Authorities,
- Erika Witzke, CPCS Transcom,
- Jolene Hayes, Fehr & Peers,
- Juan Villa, Texas A&M Transportation Institute,
- Kevin Keller, HDR,
- Daniel Hackett, Hackett Associates, LLC

2023 Annual Meeting

Lectern Session: Current Research in Shipping, Port Hinterland Corridor, and Synchromodality

Monday, January 09 / 8:00 AM-9:45 AM ET

- Opportunities for Synchromodal Freight Transportation for US-Canada Transborder Trade in Great Lakes: Conceptualization and Descriptive Analysis
- Modeling Uncertainties in Liner Shipping and Ship Schedule Recovery: A Comprehensive Literature Review
- Sustainable Ship Schedule Design via Multi-Objective Collaborative Agreements amongst Shipping Lines and Marine Terminal Operators
- Setting-up an EU-based Port-Hinterland Corridor Value System: Structure and Main Reference Basis

2023 Annual Meeting



Lectern Session: Exploring the Recent Shift in Maritime Trade from the West Coast to the East and Gulf Coasts

Monday, January 09 / 10:15 AM-12:00 PM ET

Panel Discussion moderated by ***Daniel Hackett, Hackett Associates, LLC***. The first half of 2022 has seen container import volumes at many East Coast and Gulf Coast ports grow at a significantly faster rate than at ports on the West Coast. This session will:

- Explore the potential reasons for the cargo shift
- Identify the impact on the domestic supply chain
- Discuss the elasticity of the shift and to what degree this shift is a short-term trend vs a permanent transition

2023 Annual Meeting

Supply Chain Subcommittee Meeting

Monday, January 09 / 6:00 PM-7:30 PM ET

This subcommittee will expand TRB's capability to provide a forum for crucial, impartial, best-practice research, information, and data exchange on international supply chains that helps private-sector stakeholders maintain efficient international trade and transportation.

It will inform public-sector policy makers as they develop initiatives, together with stakeholders, that improve our long-term transportation and supply chain infrastructure and our resilience against future events.

2023 Annual Meeting



Poster Session: The Impact of Recent Disruptive Events on International Trade and Supply Chains Tuesday, January 10 / 1:30 PM-3:15 PM ET

- Trade Vulnerability to Maritime Disruptions: Evidence for Latin America, *Presented by Agustina Calatayud*
- Heterogeneous Maritime Trade Vulnerability: An Impact Evaluation for Emerging Economies, *Presented by Agustina Calatayud*
- Impacts of Covid-19 at the U.S. - Mexico Land Ports of Entry, *Presented by Daniel Escoto*
- Container Shipping and Supply Chain: Post Covid Implications and Trends, *Presented by Hyeonsup Lim*
- Multi-Output Chaining for Time Series Forecasting to Estimate Impact of Supply Chain Disruption: The Case of Russia's Invasion of Ukraine on U.S. Imports and Exports, *Presented by Sotirios Theofanis*

2023 Annual Meeting



Lectern Session: Resilience Analytics in Supply Chains

Tuesday, January 10 / 1:30 PM-3:15 PM ET

Panel Discussion moderated by *Igor Linkov, U.S. Army Corps of Engineers (USACE)*. The recent increase in supply chain disruptions has occurred for many reasons, including cascading failures in interconnected transportation networks. These failures are due in part to the state of science, policy, and practice, which has focused on enhancing efficiency in individual components, making supply chains lean and vulnerable to failures.

This session summarizes the state of science and practice in transportation supply chain resilience in general and presents novel methodologies to apply AI, Network Science, and Advanced Data Analytics to address supply chain resilience at the system level. A specific case study involving the CA transportation systems in general, and the ships-port-freight-consumer interfaces is also discussed.

2023 Annual Meeting



Committee Meeting

Tuesday, January 10 / 10:15 AM-12:00 PM ET

Proposed Agenda FOR DISCUSSION BY ALL MEMBERS AND FRIENDS

Presentations:

Daniel Covarrubias: Smart Borders: The key to more resilient International Trade and Cross-Border Transportation

Maximilian Bauernfeind: ?

Poster Presenters: 5 minutes summary

Research ideas discussion and potential funding sources

2023 Annual Meeting



Social gathering

Tuesday, January 10 5:30

Location:?

Thanks for Volunteering

- ***Contact me and visit our website:***
<https://www.trbtradetransportation.org/>

Juan Carlos Villa

J-villa@tti.tamu.edu