



**Northwestern University
Transportation Center**

CCITT

Center for the Commercialization of
Innovative Transportation Technology

Industry Technical Workshop

BRIDGING THE FUTURE
INNOVATION IN LARGE-SCALE
INFRASTRUCTURE DEVELOPMENT

WEDNESDAY, MAY 3, 2017 [1:00 PM]

JAMES ALLEN CENTER [MCCORMICK AUDITORIUM] 2169 CAMPUS DRIVE

Industry Technical Workshop

SPRING 2017

BRIDGING THE FUTURE: INNOVATION IN LARGE-SCALE INFRASTRUCTURE DEVELOPMENT

Northwestern University Transportation Center (NUTC) and the Center for the Commercialization of Innovative Transportation Technology (CCITT) are co-hosting the **Spring 2017 Industry Technical Workshop—*Bridging the Future: Innovation in Large-Scale Infrastructure Development***—May 3, 2017 to advance dialogue for strategic transportation infrastructure investments and development. The Workshop features infrastructure developers, financiers and operators highlighting several large-scale transportation infrastructure projects through a case study presentation format, emphasizing financial strategies, stakeholder engagement, public-private partnerships, lessons learned, and legal and regulatory challenges, among others.

EVENT CO-CHAIRS

Hani S. Mahmassani

William A. Patterson Distinguished Professor of Transportation & Director, NUTC

Breton Johnson

Associate Director, NUTC & Director, CCITT

ABOUT NUTC

The Northwestern University Transportation Center (NUTC) is one of the world's leading interdisciplinary education and research institutions, serving industry, government and the public sectors. Founded in 1954 to generate substantive and enduring contributions for the better movement of materials, people, energy, and information, NUTC stands at the forefront of transportation research and education. NUTC brings together academic researchers, students and business affiliates in a joint open exploration of transportation and supply chain operations. NUTC aims to influence national and international transportation policy, management and technological developments, with the goal of making transportation and supply chain operations more productive, efficient, safe, secure, environmentally friendly and socially beneficial.

ABOUT CCITT

The Center for the Commercialization of Innovative Transportation Technology (CCITT) fosters the implementation of innovative technologies for all modes of surface transportation, including but not limited to railways, mass transit, highways and waterways.

Workshop Agenda

WEDNESDAY, MAY 3, 2017

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- 1:00 - 1:05 PM WELCOME: **Hani Mahmassani** - Director, NUTC
- 1:05 - 1:15 PM OPENING REMARKS: Session Moderator
Joseph Schofer - Associate Dean, McCormick School of Engineering, Northwestern University
- 1:15 - 2:25 PM CASE STUDY PRESENTATIONS
- Norfolk Southern, The Crescent Corridor, Infrastructure and the Future of Rail*
Robert Martinez - Vice President, Norfolk Southern Corporation
- The Savannah Harbor Expansion Project - Critical Infrastructure Expansion for the United States*
James McCurry Jr. - Chief Administrative Officer, Georgia Ports Authority
- Transportation P3s - Case studies contrasting the Canadian and U.S. approaches*
David Pennington - Managing Director, BMO Capital Markets
- Denver Union Station: Creating (and Capturing) Value*
Robert Peskin - Senior Consulting Manager, AECOM
- 2:25 - 2:45 PM NETWORKING BREAK
- 2:45 - 3:30 PM PANEL DISCUSSION
- 3:30 - 3:55 PM FEATURED SPEAKER:
Joseph Szabo - Executive Director, Chicago Metropolitan Agency for Planning (CMAP)
- 3:55 - 4:00 PM ADJOURNMENT

Speaker Biographies

HANI MAHMASSANI

William A. Patterson Distinguished Professor of Transportation & Director, NUTC

Dr. Hani Mahmassani joined Northwestern University in 2007 with joint appointments in the McCormick School of Engineering and the Kellogg School of Management. Prior to joining Northwestern, he was the Charles Irish Senior Chaired Professor in Transportation Engineering and Director of the Maryland Transportation Initiative at the University of Maryland. He previously spent 20 years on the faculty of the University of Texas at Austin.

Mahmassani has more than 30 years of professional, academic, and research experience in the areas of multimodal transportation planning and network modeling, freight and logistics systems analysis, homeland security and emergency systems operations, intelligent transportation systems, econometric modeling (with applications to travel and freight demand forecasting), integrated systems management, and travel and shipper behavior analysis.

ROBERT MARTINEZ

Vice President, Norfolk Southern Corporation

Rob Martínez is a graduate of Columbia University and holds a Ph.D. from Yale University. During the first Bush Administration, he served at the U.S. Department of Transportation as Deputy Administrator for the Maritime Administration and was promoted by President George H. W. Bush to Associate Deputy Secretary of Transportation and Director of the Office of Intermodalism.

Dr. Martínez began working for Norfolk Southern in 1993 but left in 1994 to become the Secretary of Transportation for the Commonwealth of Virginia under Governor George Allen. As Secretary of Transportation, he had oversight over the Virginia Department of Transportation (highways), the Department of Rail and Public Transportation, the Virginia Department of Aviation, the Department of Motor Vehicles, and Virginia Port Authority.

Dr. Martínez returned to Norfolk Southern in early 1998, where he now serves as Vice President Business Development and Real Estate. In this position, Dr. Martínez has oversight for four departments: Industrial Development; Real Estate; Market Research and Forecasts; and the Ports and International Department, which includes *Norfolk Southern Mexicana*. He has focused on the pursuit of industrial projects to grow the revenue base and in support of capital projects, including corridor development efforts, intended to grow the franchise. Dr. Martínez is married to Cristina Dziwura Martínez and they have three children, son Javier, daughter Pilar Rocío and son Sebastián. They reside in Norfolk, Virginia.

JAMES MCCURRY JR.

Chief Administrative Officer, Georgia Ports Authority

As CAO for Georgia Ports Authority, McCurry oversees Contracts, Properties & Planning; Purchasing; Grants Administration; Risk Management; Navigation Programs; and Federal Governmental and Regulatory Affairs for the Georgia Ports Authority. He is also the GPA's staff liaison for the Jasper Ocean Terminal Joint Venture with South Carolina.

McCurry previously served the Authority in successive roles as Assistant Director of Administration, Director of Administration, and Senior Director of Administration & Governmental Affairs. Prior to his responsibilities in port administration, McCurry served as General Manager of External Affairs with responsibility for the coordination of staff in the fields of communications, port relations, and government relations and served as a spokesman for Authority. He also previously held the position of Manager of Legislative Affairs for the GPA. Additionally, McCurry enjoyed a successful tenure with Brasseler USA, a leading national supplier of dental and medical instrumentation, where he was a Senior Product Manager and National Sales Specialist. Following graduation from college, McCurry served on the Washington, DC staff of Congressman Jack Kingston. McCurry is currently chairman of the National Waterways Conference, an industry leading advocacy group for waterway programs throughout the United States.

McCurry holds a BA in Business Administration from Furman University and is a graduate of both Leadership Georgia and Leadership Savannah. He and his wife Kendall live in Savannah with their three children.

DAVID PENNINGTON

Managing Director, BMO Capital Markets

David Pennington has more than 20 years of investment banking experience as a financial advisor and underwriter in the transportation, energy, and social infrastructure sectors. David was a financial advisor to Infrastructure Ontario, the Province's equivalent of a "P3 office" with assignments that included surface transportation, transit, and social infrastructure, totaling over \$5 billion in construction procurement. Since 2011,

David has been spearheading BMO's U.S. P3 advisory strategy from Chicago. As part of that effort he served as financial advisor to the Maryland DOT for the Purple Line Transit P3. On the private sector side he has advised teams pursuing P3 projects in Florida, Illinois, Indiana, North Dakota, and Texas.

ROBERT PESKIN

Senior Consulting Manager, AECOM

Dr. Peskin, a Senior Consulting Manager in AECOM's Arlington, Virginia office, consults in the areas of transportation financing, planning, and management. A member of AECOM's transportation consulting practice throughout his 40-year career, he serves the transit industry and government agencies at the local, state,

and federal level. He pioneered analytical methodologies in the areas of transportation financial planning, analysis of transportation infrastructure capital needs, and operating & maintenance cost modeling. His work focuses on the application of quantitative information to support transportation decision-making. He works with public agency staff in integrating financial, capital, and operating data from all functional areas including planning, engineering, transportation, and maintenance. Dr. Peskin supports transportation agency executive staff and governing boards as they commit limited public resources to major capital investments and make difficult budgeting decisions.

JOSEPH SCHOFER

Associate Dean, McCormick School of Engineering, Northwestern University

Joseph Schofer shares responsibility for academic personnel and procedures in McCormick and is strategy adviser to the dean and his staff. Schofer has served as chair of the Department of Civil and Environmental Engineering, where he has been on the Northwestern faculty since 1970. His research and teaching are in transportation policy planning, analysis, evaluation, and behavior. Schofer earned a BE from Yale and an MS and PhD from Northwestern.

JOSEPH SZABO

Executive Director, Chicago Metropolitan Agency for Planning (CMAP)

Appointed as executive director by the Board of the Chicago Metropolitan Agency for Planning (CMAP) in June 2015, Joseph C. Szabo has varied experience in local, state, and federal governments, civic affairs, and transportation. CMAP and its partners are developing ON TO 2050, a new comprehensive regional plan to help the seven counties and 284 communities of northeastern Illinois to implement strategies that address transportation, housing, economic development, open space, the environment, and other quality-of-life issues.

Prior to joining CMAP, Szabo was appointed by President Obama and confirmed by the U.S. Senate as the twelfth Administrator of the Federal Railroad Administration (FRA) within the U.S. Department of Transportation (U.S. DOT). From 2009-15, he led a staff of over 900 professionals located in Washington, DC, and at field offices across the nation as the first FRA head to come from the ranks of rail workers. Szabo began his public service as a zoning commission member in his native south suburban Riverdale, Illinois, where he later served as a park district commissioner, village trustee, and ultimately mayor. He also was a member of the South Suburban Mayors and Managers Association executive board and transportation committee and the regional Council of Mayors executive committee. His prior service also included membership on the Executive Council of Chicago Metropolis 2020 (later known as Metropolis Strategies), the Metropolitan Mayors Caucus, and the Legislative Committee of the Chicagoland Metropolitan Planning Council. He earned the Bachelor of Arts in Business Administration from Governors State University and received an honorary doctorate from Lewis University for his lifetime commitment to public service.



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