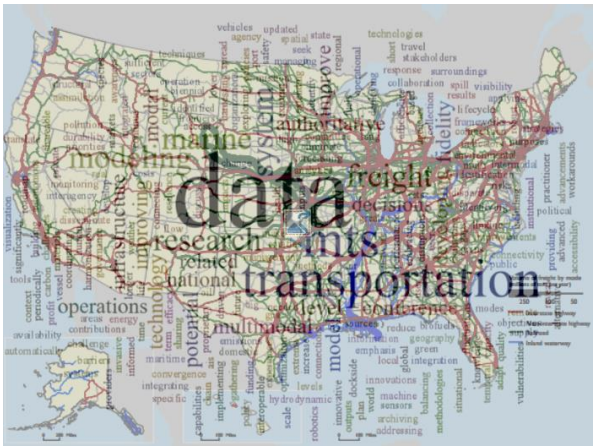
CALL FOR PRESENTATIONS

Transforming the Marine Transportation System through Multimodal Freight Analytics

Fifth Biennial Marine Transportation System Research and Technology Conference



Washington, DC
June 19-21, 2018

The conference will seek to identify research needs, gaps and potential technology gains related to harnessing robust, integrated, high fidelity multimodal freight transportation modeling and data sets. Particular emphasis will be placed on improving the efficacy of freight flow analytics through advancements in data harmonization, modeling, data management practices, and collaboration among multimodal freight system stakeholders and sectors.

ORGANIZED BY

The National Academies of SCIENCES · ENGINEERING · MEDICINE

TRB TRANSPORTATION RESEARCH BOARD

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CMTS U.S. Committee on the Marine Transportation System

Attention University Students:

This year the 5th Biennial Marine Transportation System Research and Technology Conference will provide up to $500 for domestic travel support and one complimentary registration for up to three full-time students (To qualify, participant MUST be 35 years or younger at the time of the conference) to participate in a Student Honor Panel on June 21st. Decisions will be determined by the conference planning committee based on abstracts from eligible students. Restrictions may apply. Contact Brittney Gick (BGick@nas.edu) for more information.

To Submit an Abstract:

You may submit an abstract at the following link (you will need to create an account once at the site):
https://catalyst.omnipress.com/#collection/265/submission

Call for Presentations:

You are invited to share your knowledge and expertise and part of a focused breakout session during the conference. This call invites submissions of abstracts to be considered for presentation in the following topic areas:

Constraints and Opportunities

Example areas include:

- Sharing data in a proprietary world
- Data sharing across government agencies
- Data governance
- Geo-political, socio- cultural, demographic influences on the future of the multimodal freight network and models
- Best practices in modeling freight network disruptions
- Public vs private mission needs – for-profit data providers vs. agency-driven analysis
- Public-private-partnerships to advance multi-modal networks
- Multi-modal Case studies

Data Analytics and Modeling

Example areas include:

- Modeling techniques and analytics
- Network and systems analysis
- Data analytics (using AI, machine learning with visualization and modeling)
- Freight modeling frameworks
- Data assimilation
- Multi-modal frameworks
- Analytics to improve Interoperability across modes
- Multi- and Single-mode Data harmonization

Decision Support and Meeting End User Requirements

Example areas include:

- Decision support, moving model results into actions
- Model interpretation
- User interfaces
- Availability and Accessibility of Data to Users
- Multimodal levels of service
- Supply Chain Requirements
- Visualization across modes

Modal Integration through Technology

Example areas include:

- Connecting data between modes
- Visualization innovations
- Integrating sensor data across modes (GPS, AIS, Rail Data)
- Innovative data collection methodologies
- Robotics and autonomous implications for data collection
- Social Media and the Internet of Things (IOT)
- Structural Health Monitoring

Format of Abstracts:

Abstracts must be in English and include name, affiliation, and contact information (email) for the corresponding presenter. Information about all co-authors must also be provided. To be considered for presentation abstracts should be limited to 300 words and must and identify which of the call topic areas the presentation will address.

Deadlines and Dates:

Submission of proposed presentations (abstracts):
March 2, 2018

Notice of acceptance of presentations:
April 6, 2018

Commitment by author to present:
May 1, 2018