

MarTREC

Maritime Transportation Research & Education Center



Dr. Magdalena Asborno Receives Student Award

Magdalena Asborno was selected by the Transportation Research Board of the National Academy of Sciences, Engineering, and Medicine to present a paper on, “Advancing the Marine Transportation System Through Automation and Autonomous Technologies”, at the Sixth Biennial Marine Transportation System Innovative Science and Technology Conference held virtually March 15-17, 2021. Abstracts were reviewed and chosen based on their quality and relevance to the conference.

Dr. Asborno graduated from the University of Arkansas with a PhD in Civil Engineering in July 2020. She presented “Towards Multimodal Freight Modeling: Geospatial Map-matching of AIS Data to an Inland Waterway Network and Multimodal Integration”. Her presentation constitutes a portion of her doctoral dissertation, “Commodity-based Freight Activity on Inland Waterways Through the Fusion of Public Datasets for Multimodal Transportation Planning”, chaired by Dr. Sarah Hernandez. This work was funded by the Maritime Transportation Research and Education Center under project: “Combining Truck and Vessel Tracking Data to Estimate Performance of Inland Ports”.

Link to published paper: [GIS-based identification and visualization of multimodal freight transportation catchment areas | SpringerLink](#)

Link to Asborno’s doctoral dissertation: [Commodity-based Freight Activity on Inland Waterways through the Fusion of Public Datasets for Multimodal Transportation Planning \(uark.edu\)](#)

Link to MarTREC project report: [Combining Truck and Vessel Tracking Data to Estimate Performance of Inland Ports](#)