



Center for Advanced Multimodal Mobility Solutions and Education

UTC Project Information – CAMMSE @ UNC Charlotte	
Project Title	Studying the Impact of Pandemic Outbreaks on Maritime Transportation and Port Operation
University	Texas Southern University
Principal Investigator	Mehdi Azimi and Yi Qi
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Funding Sources and Amount Provided (by each agency or organization)	The University of North Carolina at Charlotte: \$59,310 Texas Southern University: \$26,773
Total Project Cost	\$86,083
Agency ID or Contract Number	
Start and End Dates	10/01/2020 – 09/30/2022
Brief Description of Research Project	The COVID-19 pandemic was unraveling the economy nationally and globally as most of the world moved toward a lockdown that entails the closure of significant portions of both the service and manufacturing industries. Due to the pandemic outbreak, ports have seen many “blank sailings” - ships scheduled to arrive that never finished their journeys. Scheduled vessel calls in many ports have been canceled by shipping lines. Ocean carriers worldwide have scrubbed voyages due to dwindling demand by shippers for vessel space. Many ports are currently seeing sharp falls in activity. The proposed research study will investigate the impact of pandemic outbreaks on maritime transportation, especially on port operation. It



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	<p>is important to study how to mitigate the myriad of issues which arise in such events. This may provide the authorities and stakeholders in ports and maritime transportation the better understanding of the vulnerability of the maritime domain to the future pandemic outbreaks and the external shocks to the system.</p>
<p><i>Describe Implementation of Research Outcomes (or why not implemented)</i></p> <p><i>Place Any Photos Here</i></p>	
<p><i>Impacts/Benefits of Implementation (actual, not anticipated)</i></p>	
<p><i>Web Links</i></p> <ul style="list-style-type: none"> • <i>Reports</i> • <i>Project website</i> 	<p>https://cammse.uncc.edu/sites/cammse.uncc.edu/files/media/CAMMSE-UNCC-2021-UTC-Project-Information-07-Azimi.pdf</p> <p>https://cammse.uncc.edu/sites/cammse.uncc.edu/files/media/CAMMSE-UNCC-2021-UTC-Project-Report-07-Azimi-Final.pdf</p>