

Evacuation during Hurricanes

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Abstract:

Evacuation from hurricanes in recent years showed issues with clearing large numbers of residents from urban area roadways and via public transportation systems. Clearly, a need to better understand and predict community evacuation exists. Much work has been done to improve evacuation times and experiences when the need to evacuate occurs. A number of models exist that forecast evacuations under a variety of scenarios. This work will examine the application of TRANSIMS to help properly predict the routes and patterns of individuals in certain urban areas beginning in the Houston- Galveston region. Eventually, this research will provide insight allowing predictions for other gulf coastal states and improved usage of this tool by government officials.