

**EXHIBIT F**

<table>
<thead>
<tr>
<th><strong>UTC Project Information</strong></th>
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<tbody>
<tr>
<td><strong>Project Title</strong></td>
<td>Multi-agent Reinforcement Learning-based Pedestrian Dynamics Models for Emergency Evacuation</td>
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<tr>
<td><strong>University</strong></td>
<td>North Carolina A&amp;T State University (NCAT) Embry-Riddle Aeronautical University (ERAU)</td>
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<tr>
<td><strong>Principal Investigator</strong></td>
<td>Hyoshin Park</td>
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<tr>
<td><strong>PI Contact Information</strong></td>
<td><a href="mailto:hpark1@ncat.edu">hpark1@ncat.edu</a>, 336-285-2763</td>
</tr>
<tr>
<td><strong>Funding Source(s) and Amounts Provided (by each agency or organization)</strong></td>
<td>Federal Funds (USDOT UTC Program): $131,220 Cost-Share Funds (VT): $25,688 Cost-Share Funds (NCAT): $40,000</td>
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<tr>
<td><strong>Total Project Cost</strong></td>
<td>$196,908</td>
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<tr>
<td><strong>Agency ID or Contract Number</strong></td>
<td>69A3551747125</td>
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<tr>
<td><strong>Start and End Dates</strong></td>
<td>4/1/2019-3/31/2021</td>
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<tr>
<td><strong>Brief Description of Research Project</strong></td>
<td>The project outcome will lead to a multidisciplinary computational framework for understanding and modeling the human decision-making process and resulting actions in emergency evacuations</td>
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<tr>
<td><strong>Describe Implementation of Research Outcomes (or why Not implemented)</strong></td>
<td>We will develop the modeling framework and simulate emergency evacuation of a midsize airport.</td>
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<td><strong>Place Any Photos Here</strong></td>
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<td><strong>Impacts/Benefits of Implementation (actual, not anticipated)</strong></td>
<td>Pending project completion</td>
</tr>
<tr>
<td><strong>Web Links</strong></td>
<td>Progress will be updated on website <a href="https://johnpark.club/2019/05/02/pedestrian-dynamics-evacuation">https://johnpark.club/2019/05/02/pedestrian-dynamics-evacuation</a></td>
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U.S. Department of Transportation  
Office of the Secretary of Transportation