

PROJECT OVERVIEW REPORT

1. UTC Identifying Number
69A3551847102
2. Center Identifying Number
CAIT-UTC-REG26
3. Project Title
Passenger Flow Modeling and Simulation in Transit Stations
4. Principal Investigator & Contact Information
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7. Project Description
Passenger flow is a very important parameter for understanding how passengers interact with built infrastructure. The primary goal of this proposal is to model and simulate passenger flows in transit stations using computer vision and agent-based simulation technologies.
8. Implementation of Research Outcomes (or why not implemented)
The information generated during the performance of this project can potentially be used by NJ Transit to understand the benefit of infrastructure design or upgrade in terms of changing passenger flow and reducing congestion.
9. Impacts/Benefits of Implementation (actual, not anticipated)
To Be Determined

10. Dates and Budget

Start date: 11/1/2019
End date: 10/31/2020
UTC (CAIT) Dollars: \$80,000
Cost Sharing: \$0
Total Dollars: \$80,000

11. Keywords

Transit, Station, Passenger Flow, Simulation, Modeling

12. Web Links (Reports and Project Website)

<https://cait.rutgers.edu/research/passenger-flow-modeling-and-simulation-in-transit-stations/>