

# **Mobility Models and Simulations**

# Opportunistic Networking Environment (ONE) Simulator for DTN Protocol Evaluation

Wenhan Tong

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The ONE is a simulation environment that is capable of

- generating node movement using different movement models
- routing messages between nodes with various DTN routing algorithms and sender and receiver types
- visualizing both mobility and message passing in real time in its graphical user interface.



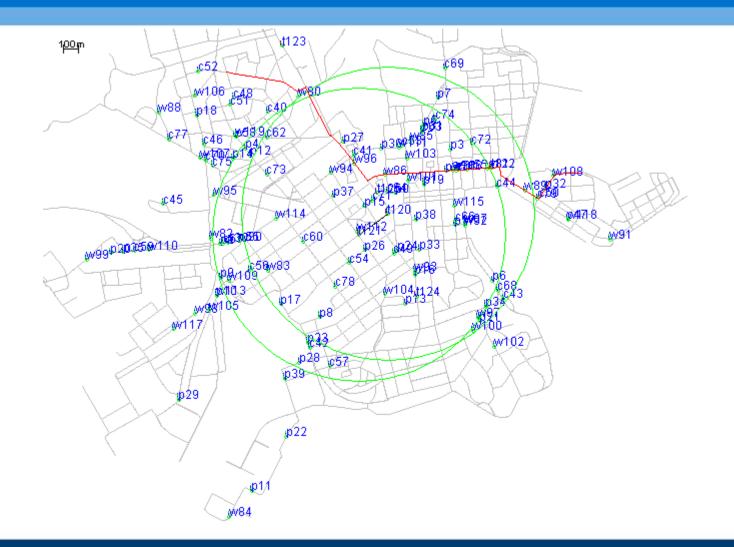


I want to make sure the following questions:

- How this simulator works
- What can I gain from the results
- How to analyze the results
- If possible, how to set up a new scenario/routing protocol to make new simulations



### **Screenshot**

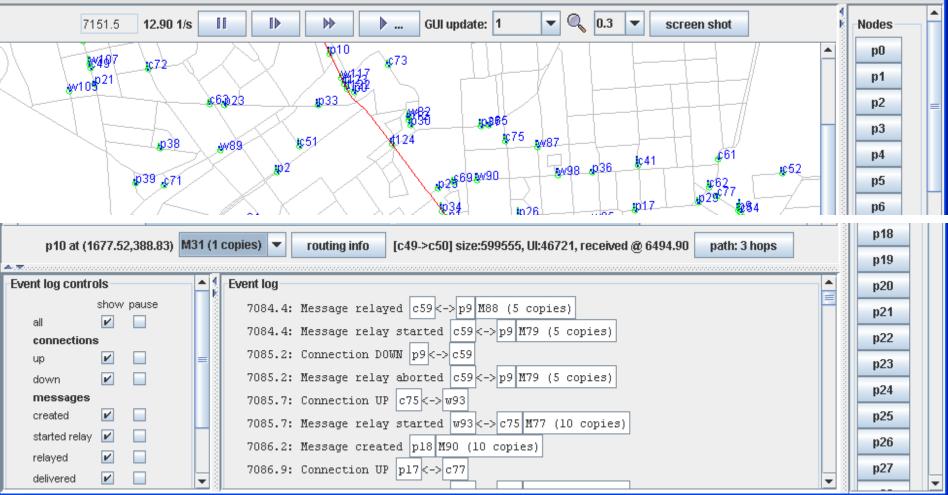




## **Screenshot**

#### 🍰 ONE - SprayAndWait

#### Playfield graphics





### **Discussion & Question**



