This is an implementation of the MARGIN using MATLAB SimEvents.

Requirements

* MATLAB Version 2010a or 2011b
* MATLAB Simulink toolbox

Run Instructions

To select one of the decision-making approaches:

1. Open the model GTSim\_RQ.mdl
2. In the simulation model GTSim\_RQ find “Interpreted MATLAB Function” and open it
3. Change the name of the file based on the decision-making approach to:
   1. MARGIN(u) for the MARGIN approach
   2. Random(u) for the Random approach
   3. ZSGame(u) for the Zero-Sum Game approach
4. Save and close the model GTSim\_RQ.mdl

Now, based on the scenario run either of the following 4 options:

1. For DoS Scenario: run MATLAB file 🡪 run\_Main\_S1.m
2. For Insider Scenario: run MATLAB file 🡪run\_Main\_S2.m
3. For DoS+Insider Scenario: run MATLAB file 🡪 run\_Main\_S3.m
4. For DoS+Insider/Sequential Scenario: run MATLAB file 🡪 run\_Main\_S4.m

For any questions regarding running the experiments please feel free to contact: mahsa.emamitaba@uwaterloo.ca