LTEV2Vsim

Basic instructions:

- After download, unzip the archive and keep all the files in the extracted folder
- Ensure that MATLAB is installed on your computer
- At least MATLAB R2016b is required
- Open the script "Simulations.m": this is an example script which calls LTEV2Vsim main function with some example parameters
- Press "Run" on MATLAB or call the LTEV2Vsim function from the MATLAB command window. If a popup appears, press "change folder"
- The script will start some example simulations. You can stop it whenever you want, since now it has automatically updated the path folder. Please note that if you stop the simulation before its conclusion, no output will be printed. You can change the simulation time as an input when you call the function "LTEV2Vsim"
- You can enter the following command in the command window to get a list of the options and parameters you can modify before running the simulation: “LTEV2Vsim('help')”.You can edit the file "simulations.m" and add your simulation settings or create another script for your simulation in which you call the function "LTEV2Vsim" with your custom input parameters.
- Simulation results will be stored in the file “MainOut.xls” in the “Output” folder.

Output files:

- “mainOut”: main output file in which the main simulation settings, computation time and outputs are reported. The average performance indicators, like the blocking rate, the error rate and the packet reception ratio (PRR), are computed on the selected awareness range (*Raw*).“neighbors_simID”: created when *printNeighbors = true*, contains one column with the number of neighbors (within *Raw*) of each vehicle for the simulation simID;
- A number of other outputs (depending on the simulator version) are available; if active, the output will be generated inside the output folder and identified by the correspondent simID.