

# Introduction to traffic simulation plugin



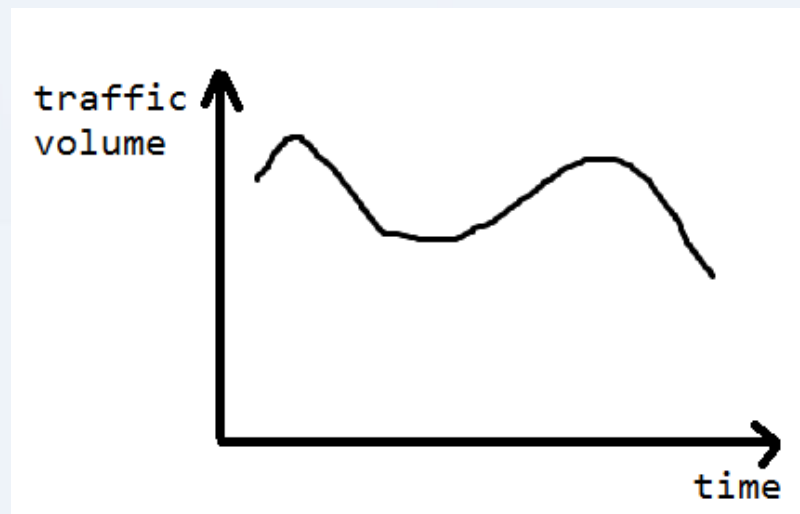
Mengchao Wu, Jie Wang  
College of Information Engineering  
Shanghai Maritime University

# Outlines

1. Plugin propose
2. Achievements
3. Future improvements
4. Acknowledgments

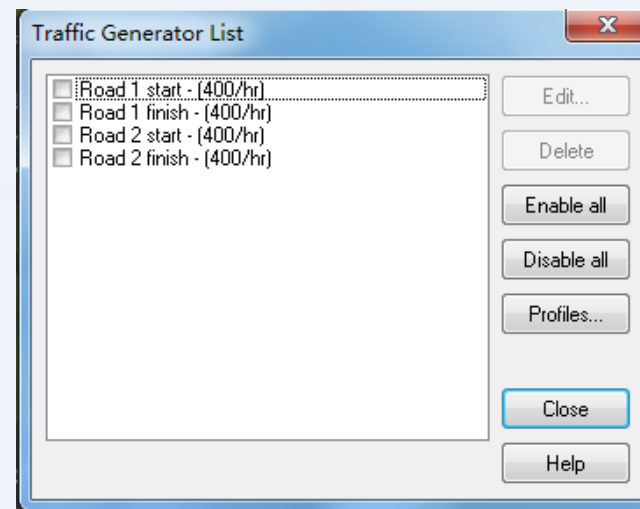
# Plugin propose

traffic volume is a static number in the software, but varies time by time in real life.



# Plugin propose

Each time number needed to be change, we need to use form ' traffic generator list'. Which is not that user friendly to those who want to monitor traffic real time.

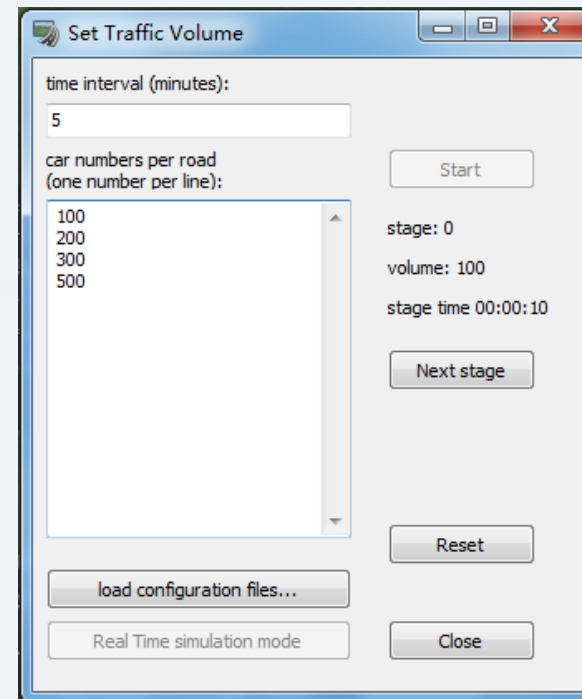


# Plugin propose

We basically want a plugin that  
Changes traffic volume more easily;  
Can automatically change traffic  
volume by giving time intervals.

# Achievements

1. Change traffic volume become more easy by just filling numbers.
2. Two simulation mode: offline and online(real time simulation mode).
3. Can load configuration files.
4. Offline mode can use Accelerate traffic by clicking 'next stage'.
5. Online mode will load configuration file each time interval, file can be change by other software or internet.



Plugin interface

# Future improvements

1. Traffic volume can change road by road.
2. Bug fix.

# Acknowledgments

Thanks to Forum8 for providing the competition and basic training and the software for developments.

Thanks to Mr.Yoann Pencreach for his clear comments on 'trafficsetupsampleplugin' in UC win-road SDK.