

# Virtual Vehicle System Simulator and Scenery Generation

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## Preface

This manual covers the installation and usage of the Virtual Vehicle Simulation (VVSS) software, the Scenery Generation software (GenScen) and the associated Matlab/Simulink toolbox for interfacing with the vehicle simulation environment.

The software was developed as a product of the graduate research effort at Oakland University to explore a modular approach to real-time driver in the loop full vehicle simulation tools for evaluating advanced vehicle driver-assist and control systems.

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- [1] Thesis
- [2] Paper
- [3] Matlab Powertrain model
- [4] VRML references