Gain in-depth knowledge of recommended practices of modeling roundabouts in Vissim

SHORT DESCRIPTION
This full-day course will address the role of microsimulation in the typical roundabout design-analysis workflow as well as details of network building related to roundabouts. Participants will work through example models to create output measures for the purposes of calibrating the microsimulation and evaluating the design. Further topic discussions will address multi-modal considerations, including pedestrians, bicycles, and heavy trucks.

TARGET GROUP
Traffic engineers and planners from the public or private sector who would like to learn how to confidently perform roundabout analysis using the industry leading microsimulation software.

PREREQUISITES
Vissim Introduction course or basic working knowledge of Vissim.

CONTENTS

Day 1:
- Understanding roundabout analysis
- Proper setup of roundabout geometry
- Speed control and routing
- Yielding behavior through conflict areas
- Single and multi-lane roundabout examples
- How to calibrate a roundabout model with in-depth examples
- Which measures of effectiveness are appropriate
- Mini-roundabout example
- Accommodating heavy trucks
- Simulating all modes: Pedestrians and Bicycles

PRICE
See specific event page and training policies for details.

DURATION
1 day

PDH CREDITS
7 hours

SOFTWARE REQUIREMENTS
Any level VISSIM