

Aimsun 8 - Training Course

Melbourne, 30th November - 3rd December 2015

Course Content

Morning session: 09:00 - 12:45 (coffee break 15 min)

Afternoon session: 13:45 - 17:30 (coffee break 15 min)

MODULE 1

Day 1. Monday 30th November 2015.

1. Editing exercises (6 h)
 - Geometry, traffic demand, public transport and control, etc.
2. Creating scenarios - exercises (1 h)
 - Dynamic scenarios, microscopic experiments and replications

Day 2. Tuesday 1st December 2015.

3. Results (4 h)
 - Presentation of results
 - Results exercises: showing results graphically and numerically
4. Traffic management exercises (3 h)
 - Incidents, forced turns, closing lanes and turns

MODULE 2

Day 3. Wednesday 2nd December 2015.

1. Stochastic route choice (4 h)
 - Presentation of stochastic route choice
 - Stochastic route choice exercise
2. Microscopic model (3.5 h)
 - Presentation of microscopic model
 - Parameters
 - Exercises in microscopic modelling

MODULE 3

Day 4. Thursday 3rd December 2015.

3. Macroscopic modelling (3 h)
 - Traffic assignment
 - Adjusting matrices
 - Transversal matrices
 - Exercises
4. Mesoscopic model and DUE (3.5 h)
 - Presentation of mesoscopic model
 - Parameters
 - Presentation of dynamic user equilibrium
 - Exercises in mesoscopic modelling
 - Hybrid Model