

## Aimsun 8 - Training Course

Auckland, 23<sup>rd</sup> - 26<sup>th</sup> November 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 23<sup>rd</sup> November 2015.

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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 24<sup>th</sup> November 2015.

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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 25<sup>th</sup> November 2015.

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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. Tuesday 26<sup>th</sup> November 2015.

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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