

## Aimsun 8.1 Training Course, Toronto, May 16<sup>th</sup> to 18<sup>th</sup>, 2016

### Course Contents

Morning session: 09:00 - 13:00 (including a 15-min break)

Afternoon session: 14:00 - 18:00 (including a 15-min break)

Monday, 16<sup>th</sup>

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1. Editing a model
  - Geometry, traffic demand, signals, public transport
2. Managing scenarios
  - Dynamic scenarios, experiments and replications
  - Revisions
3. Outputs
  - Time series, thematic maps

Tuesday, 17<sup>th</sup>

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3. Outputs (continued)
  - Scenario comparison
4. Traffic management
  - Traffic management actions
  - Modelling incidents and mitigation strategies
  - Modelling turn restrictions, reversible lanes, and other scheduled events
5. Dynamic traffic assignment
  - Dynamic traffic assignment framework
  - Cost functions
  - Stochastic route choice algorithm and parameters
  - Dynamic user equilibrium algorithm and parameters
  - Practical applications

Wednesday, 18<sup>th</sup>

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6. Microscopic network loading
  - Microscopic vehicle behaviour
  - Calibration of a microscopic model
7. Mesoscopic and hybrid network loading
  - Mesoscopic vehicle behaviour
  - Calibration of a mesoscopic model
  - Guidelines for hybrid microscopic-mesoscopic simulation