

ACT Training Course: Simulating with Aimsun Next

All modules are morning sessions:

9:00 - 13:00 (including two 15-min breaks)

	MORNING 1: 1. Editing a model	Wednesday 10th March 2021
Module 1 10-12 March	Geometry, signal plans	
	Public transport, traffic demand	
	MORNING 2:	Thursday 11th March 2021
	2. Managing scenarios	
	_	nic scenarios, experiments, and replications
	Attribu 3. Outputs	te overrides and geometry configurations
	·	t calculation, time series
	MORNING 3: 3. Outputs	Friday 12th March 2021
		tic maps, scenario comparison
	4. Traffic management	
	Traffic management actions	
	• Modell	ling incidents and mitigation strategies
Module 2 16-17 March	MORNING 4:	Tuesday 16th March 2021
	4. Dynamic traffic assignment	
	• Dynam	nic traffic assignment overview
	Cost functions	
	 Stocha 	stic route choice algorithm and parameters
	·	nic user equilibrium algorithm and parameters
	• Analysi	ing path assignment outputs
	MORNING 5:	Wednesday 17th March 2021
	5. Microscopic network loading	
	 Micros 	copic vehicle behaviour
	• Calibra	ation of microscopic model
	MORNING 6:	Thursday 25th March 2021
Module 3 25-26 March	6. Mesoscopic and hybrid network loading	
		copic vehicle behaviour
		ation of a mesoscopic model
	• Hybrid	microscopic-mesoscopic simulation





7. Macroscopic modelling

- Static traffic assignment
- Traversal demand calculation
- Demand adjustment