

# Training Course: Simulating with Aimsun Next

hEART 2018 – 7th Symposium of the European Association  
for Research in Transportation conference

Tuesday 04th of September 2018

Laboratory of Railways and Transport, School of Civil Engineering,  
NTUA, Zografou, Athens

## 09:30 – 13:30 Morning Session

### **Integrated modelling approach: Combined methodologies using macroscopic, mesoscopic, microscopic and hybrid simulation (theoretical part)**

- Introduction to macroscopic, mesoscopic and microscopic modelling (2h)
- Combined methodologies to build, calibrate, maintain models in Aimsun Next (1h15m)
- Case study: Import, refinement and calibration of the Leicester, UK model (15m)
- Q&A session (15m)

## 13:30 – 14:30 Lunch break

## 14:30 – 17:30 Afternoon Session

### **Integrated modelling approach: Combination of macro, meso, micro and hybrid simulation (practical part)**

- Exercise in multi-resolution modelling: from macro to hybrid (2h)
- Case study: Development of the Gold Coast, Australia model (15m)
- Q&A session (30m)

