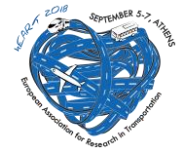


## Training Course: Simulating with Aimsun Next

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**

Morning session: 09:30 - 13:30 (including a 15-minute break)

Afternoon session: 14:30 - 17:30 (including a 15-minute break)

### 09:30 - 13:30 Morning Session

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**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)

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**13:30-14:30 Lunch break**  
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### 14:30 - 17:30 Afternoon Session

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**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)

\* You'll need a laptop for the practical exercises.

\* For technical specifications please visit our website: <https://www.aimsun.com/aimsun-next/tech-specs/>