



# Department of Transportation Planning and Engineering

School of Civil Engineering

National Technical University of Athens

[www.transport.ntua.gr](http://www.transport.ntua.gr)

## Mission

- The **education of scientists** engineers
- The **promotion of science**

in the field of transportation planning and engineering

## Center of Research and Innovation Excellence in Transportation with global recognition

Ranked 9<sup>th</sup> in Europe, 39<sup>th</sup> worldwide  
(Shanghai Ranking's 2017)

## Vision

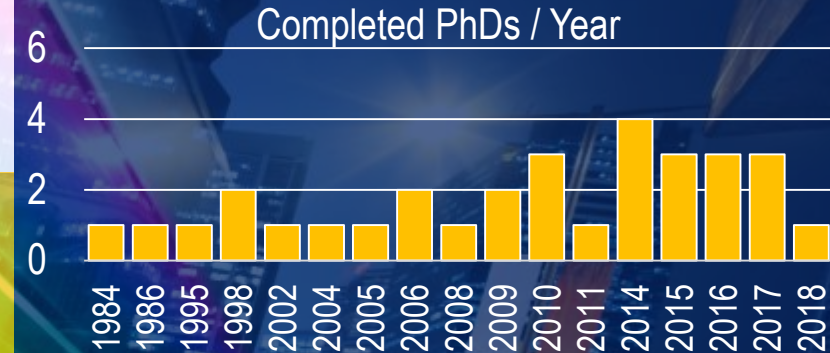
A future with highly **efficient, green and safe** transport systems in Greece and globally,

through high level **scientific research** and technological development supporting evidence based decision making in all aspects of all transport modes and types

## NTUA DTPE Activities

in figures (since mid 80s)

**1.100+** Diploma and **30+** PhD Theses



**330+** Research Projects

mostly through highly competitive procedures

**1.100+** Scientific Publications

(> 400 in Journals), widely cited worldwide

**150+** Scientific Committees,  
International collaborations:



decades of Universities and Research Centers



# Pavement Engineering Laboratory

# Railways and Transport Laboratory

# Traffic Engineering Laboratory

## Research Areas

- Pavement Materials, Testing & Characterization
- In-situ pavement testing and evaluation
- Road Design

- Simulation & Prototyping of Innovative Handling Systems
- Information Systems for Transport Infrastructure
- Transport System Simulation & Optimization

- Intelligent Transportation Systems
- Traffic Safety
- Traffic Management



## Key Research Priorities

- Materials against **climate change**
- Remote and **automated systems**
- **Vehicle communication** systems
- Life Cycle Assessment (**LCA**) of pavements

- **Research infrastructure** for transport & logistics
- **Wagon fleet management**
- **Urban Freight** Truck routing
- **Water airport** and Seaplane services
- **Gas energy** security
- **Virtual pipeline** for gas distribution

- **Automation** and Connectivity
- Driving **Telematics**
- **Drone** based traffic monitoring & analysis
- Traffic and driving **simulation**
- **Smart Cities**
- Traffic and Safety **Big Data**
- Traffic and Safety Information **Systems**