

National Technical University of Athens
School of Civil Engineering
Department of Transportation Planning and Engineering

European Transport Research in the Digital World

George Yannis

Professor, Director of the
Department of Transportation Planning and Engineering

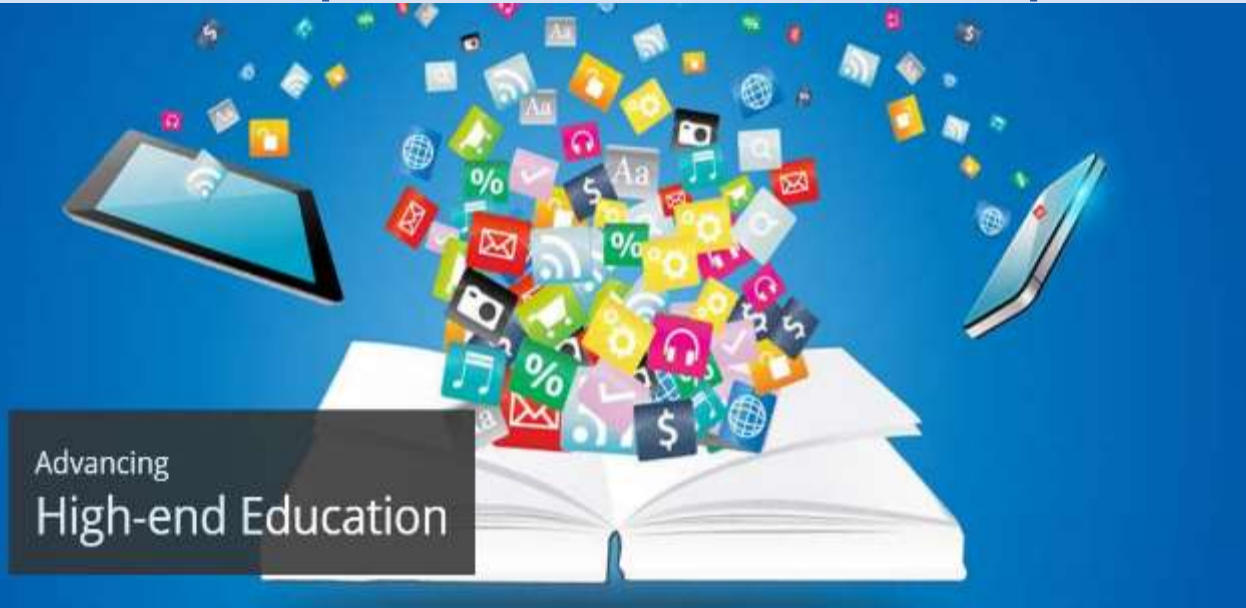
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The School of Civil Engineering of the NTUA



National Technical University of Athens: 1st University (Horizons 2020)
School of Civil Engineering: 11th in Europe (QS Ranking 2018)

The Department of Transportation Planning and Engineering



15th in Europe (Shanghai Rankings 2018)

Key transport research challenges

- traffic automation
- flying vehicles
- transport integration



Automation transforms road traffic forever

- Combined safe, efficient, green and autonomous traffic
- The interface between autonomous vehicles and the VRUs
- The tricky long transition phase



Flying Vehicles add the vertical dimension

- Tremendous repercussions on efficiency, safety and the environment
- The critical interface between road and air traffic
- Combined air and road traffic management



Seamless transport systems and services

- New traveller experience with dynamic choices
- Redefinition of public and private transport
- Seamless integration with all society activities



A new era for transport modelling

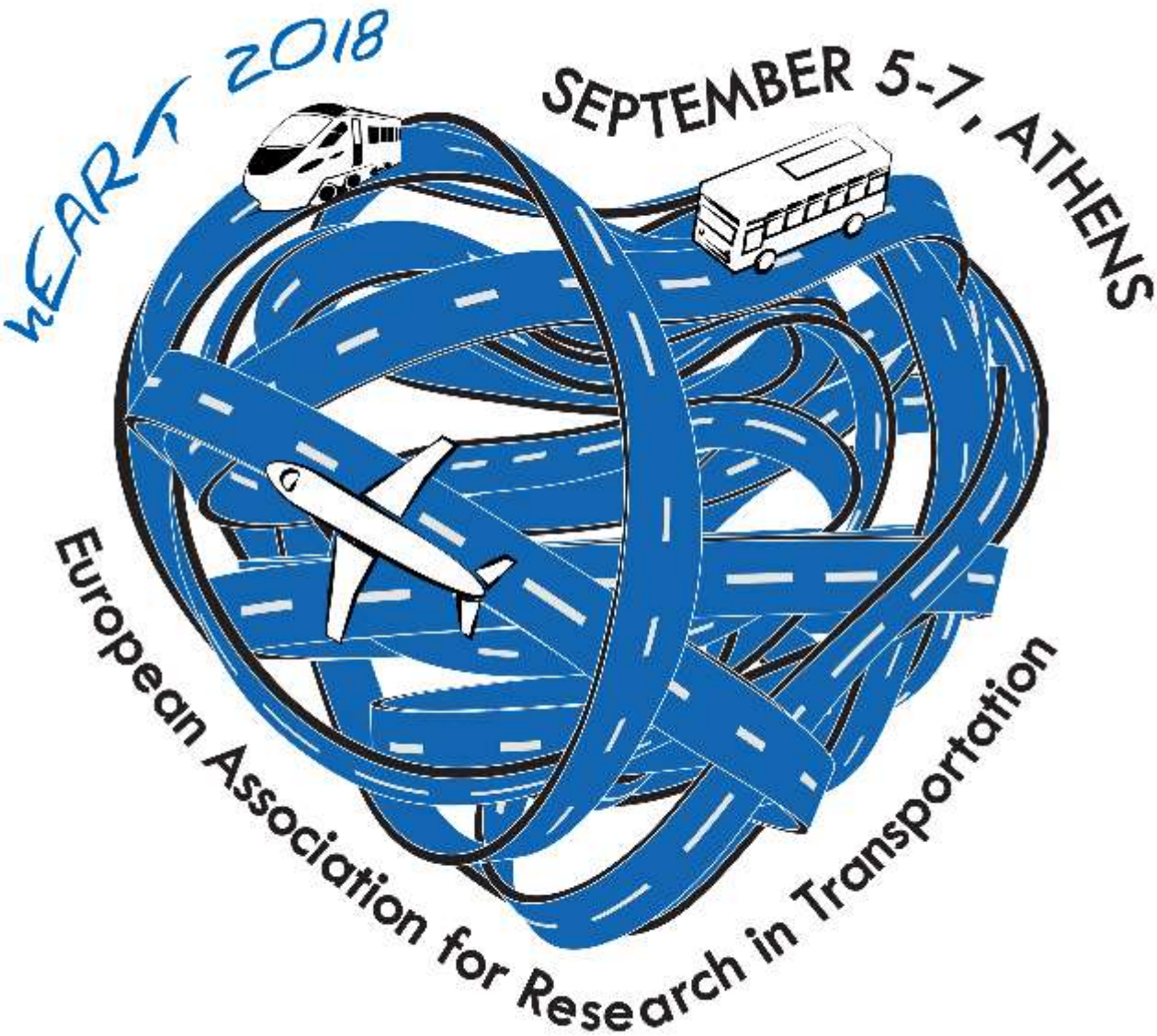
- Big data, big mistakes, big solutions
- From correlation to causation
- Are the results transferable?



The competitive transport research

- Excellence
- Impact
- Implementation





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Welcome to Athens – Enjoy hEART 2018