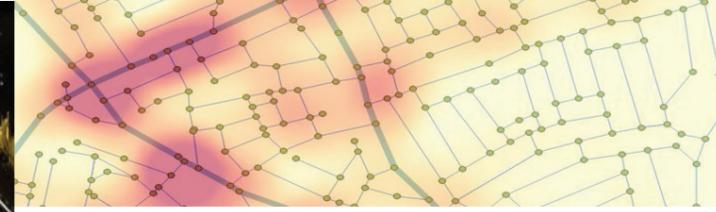
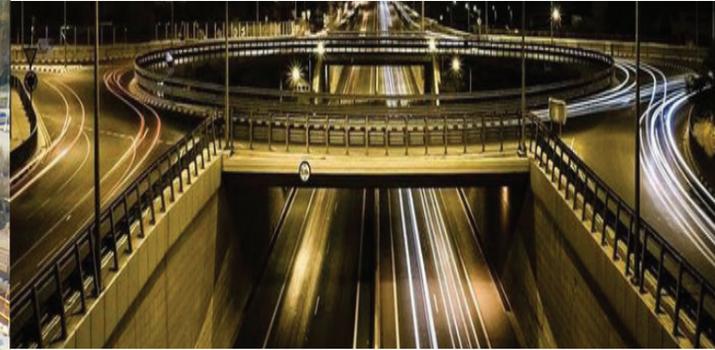


# Construction & Transport Infrastructure Management



## Our Core Research Areas

Our research focuses on construction and transport infrastructure management, with emphasis on the following thematic areas:

Building information models (BIM), risk management, resource-constrained scheduling, information technology, lifeline networks, transport systems design and operations, intelligent transport systems (ITS), traffic modelling, travel behaviour and road safety, roadway anomaly detection and classification, pavement management systems.

### Construction Management

Traditional and IT-based construction engineering and management, with emphasis on: project scheduling and cost controls, RCSP, operations analysis, risk management, decision support systems and artificial intelligence, competitive bidding and qualifications-based selection.

### Building Information Models (BIM)

BIM in construction engineering and management, construction informatics, parametric modelling, BIM-based building energy calculations, automatic generation of BIM, fully integrated and automated process processes.

“ For Us, Research Is A Way of Life, And Academic Success Is The Result Of Not Only Ingenious Ideas But Also Of Preparation, Hard Work And Perseverance. ”

”

### Transport Systems Design and Operations

Optimal design and operations of transport infrastructure for all modes of transport, covering areas from the ‘soft-side’ (e.g. urban and freight systems, traffic networks, ITS, vehicles equipment, road safety, transit and para-transit systems, road/maritime/rail/air systems, transport economics, service and logistic systems), as well as from the ‘hard-side’ (e.g. terminal facilities, highways design, pavements, railways, bridges and tunnels).

### Analysis of Travel Behaviour

Analysing the underlying phenomena of transport/travel behaviour at the disaggregate (drivers, persons, forwarders, operators, etc.) as well as the aggregate level (demand organization, social networks formation, travellers choices, cargo flows organization, collective spatio-temporal decision making etc.), following international state-of-the-art methodological and quantitative approaches.

## Research Team

Our research team consists of both experienced and early-stage researchers, and of graduate and undergraduate students, with a strong interest in construction and transport engineering and management. Research associates work in interdisciplinary teams and in synergy with other research organizations and public agencies, under the auspices of our two research laboratories:

- **EUPALINOS - Construction Engineering & Water Distribution Networks Management Laboratory :** The lab hosts research on construction management, BIM, water and roadway networks, and risk analysis.
- **Laboratory for Transportation Engineering (LTE) :** The lab hosts research on the design and operations of transport systems, and on travel behaviour.



25% international grants  
75% national grants & EU structural funds

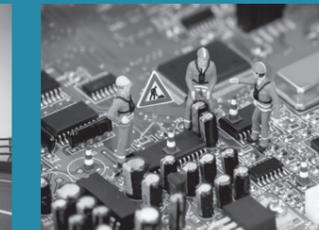
## Research Awards And Professional Recognition

Our research labs and their Directors, Dr. S. Christodoulou and Dr. L. Dimitriou, have over the years been the recipients of professional recognition and of several awards, most noteworthy of which are the following:



### Research Award

Recipients of the Hellenic 2015 Transport and Logistics Excellence Award for innovation in maritime transport.



### ISCCBE BoD

Elected on the Board of Directors (BoD) of the International Society of Computing in Civil and Building Engineering.



### Scientific Reviewing

Active reviewers for over 50 international scientific journals and 20 technical scientific committees.



### National Attachés

Cyprus's national attachés to several international committees, on matters pertaining to transport and urban development.