

**KOSTAS ZAVITSAS** MEng PhD  
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**In brief:** Expert in Supply Chain & Logistics modelling and optimization, with a focus on urban logistics efficiency and emissions reduction. Excellent programmer and project manager. Experienced lecturer of Transport and Operations Research.

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## Education

- 2006-2011 **IMPERIAL COLLEGE**, Centre for Transport Studies (CTS) **LONDON, UK**  
**Doctor of Philosophy (PhD)** in Transport Engineering and Operations Research.
- Built global scale supply chain model in C# for oil trade, that optimizes global flows depending on infrastructure capacity and pricing options.
  - Developed decision making model for infrastructure investment using game theoretic analysis of supply disruptions and risk.
- 2001-2006 **IMPERIAL COLLEGE**, Department of Civil Engineering  
**Master of Engineering (MEng)** in Civil Engineering, Upper Second Honors
- Major projects marked A: “Analysis of Nicaragua Canal” & “Risk Analysis in Road Accidents”.
- 1999-2001 **ATHENS COLLEGE (H.A.E.F)**, International Baccalaureate (I.B.) **ATHENS, GR**
- Ranked 8<sup>th</sup> in school students’ level Greek National Physics Competition, 2000.

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## Experience

- 2019-present **IMPERIAL COLLEGE**, Urban Systems Lab (USL) **LONDON, UK**  
**Research Fellow in Urban Logistics**
- Set-up KPIs and evaluation framework for Sharing Cities (a €25m EU funded H2020 project, [link](#)) that became an influential smart city monitoring & evaluation tool.
  - Led an international team of academics and collaborated with local authorities across Europe.
  - Used econometrics and statistical models to capture for the first time attitudes of crowds towards sustainability in smart cities context for transport schemes (e.g. eVs’ & eV chargers, eBikes & eLogistics).
- 2015-2019 **Research Associate in Smart Transport Systems**
- Developed integrated decision support tool for preventive highway maintenance and sensitive asset management in collaboration with UK highway management company delivering 29% reduction in transport disruption and 5% reduction in cost compared to BAU.
- 2013-2015 **Research Assistant in Complex Maritime Networks**
- Invited panel expert at TRT World’s Insight on North Dakota Access pipeline on Dec 2016. See [YouTube](#)
  - Analyzed impact of Emissions Control Areas on shipping trade and international supply chains using game-theory (see [publication](#)).
- 2016-present **ICON (Imperial College Consultants)** **LONDON, UK**  
**Logistics Clusters Consulting** commissioned by Wuhan Port Authority, China.
- Analyzed strategic level implications of “One Belt, One Road” (OBOR) initiative to China-Europe trade.

- Explored pathways for infrastructure and technology investment for Wuhan Port.

2014-present

**IMPERIAL COLLEGE, CITY UNIVERSITY & UNIVERSITY OF EAST LONDON**  
**LONDON, UK**

**Lecturer in Transportation Engineering**

- Designed & taught undergraduate and postgraduate courses on transport engineering, maritime and supply chain logistics, operations research and systems engineering.
- Completed more than 400 hours of teaching. Supervised two PhD and seven master student dissertations.

2011-2012

**GREEK ARMY, Mandatory Army Service**

**ATHENS, GR**

**Languages**

Greek (Native), English (Fluent), German (Basic)

**Software**

Programming: VB for Excel, C#.NET, Python. Mathematical modelling:

**skills**

MATLAB, GAMS, Gurobi, SPSS. Other: MS Office, AutoCAD.

**Professional memberships**

The Technical Chamber of Greece (TEE), Greece: consultant certificate (B level), The Society of Greek Transport Engineers (SES), Greece, The Institute for Operations Research and the Management Sciences (INFORMS).

**Community**

- Member for the revival of the Nemean Games (something similar to the ancient Greece Olympic Games)
- Working with charities to enable contactless payments for homeless. More than 40% of people don't carry cash with them anymore substantially reducing homeless people and charities income.

**Personal**

Proud husband and father. Passionate about books, team sports and garage engineering projects.