



VASILEIOS GIANNOUDIS

Transport Modeller/Planner

Professional Summary

Vasileios joined WSP in Cambridge as a Graduate Transport Modeller in September 2019 after graduating from the Institute for Transport Studies of the University of Leeds. In his current role as a Graduate Transport Modeller within the WSP Strategic Modelling team Vasileios has worked on a wide range of projects focusing on transport modelling and data analysis. Since 2021 he has been working as a Research Associate at the Hellenic Institute of Transport (HIT) of the National Centre for Research and Technological Development (CERTH). His research interests include traffic demand modeling and the optimization of traffic flows.

Fulfilled military obligations

EDUCATION

- 2018-2019 University of Leeds, United Kingdom
MSc(Eng) in Transport Planning and Engineering, ECTS:180, Grade: 2.1
MSc Thesis: «Assessing Car Dependency and Car use in City regions: the case of Thessaloniki (Greece)»
- 2011-2018 Aristotle University of Thessaloniki, Greece
MEng in Rural and Surveying Engineering, ECTS: 317, Grade: 7.13/10
Diploma Thesis: «Investigation of The Characteristics of Road Freight Transport in Eastern Thessaloniki (Greece)»

AWARDS

- 2018 Awarded with the ITS Transport Masters UK/EU Excellence Scholarship

ACADEMIA PUBLICATIONS/RESEARCH IN PROGRESS

- 2017 «Environmental and Traffic Considerations Concerning the Operation of Commercial Vehicles in Urban Areas», (In Greek)
6th Environmental Conference of Macedonia, May 2017, Thessaloniki, Greece
- WIP Ongoing work: «Investigation of cyclists' behaviour on a signalized junction in Thessaloniki, Greece», (In Greek)
Thessaloniki, Greece

WORK EXPERIENCE

- 2021-present **Hellenic Institute of Transport, CERTH - Research Associate**
Support services for the management of traffic impact of the regeneration of the Exhibition and Conference Center of Thessaloniki, Greece, TIF HELEXPO, 2022
- Current situation and future traffic demand analysis
 - Estimate of future traffic demand for the operating year 2026
- 2019-2021 **WSP in the UK - Graduate Transport Modeller**
- Sizewell C, EDF, 2019
- Junction modelling analysis using **Junctions 9 ARCADY and Excel**
- Glastonbury & Pilton Bypass, Somerset County Council, 2019
- Network coding of a cordoned model using **SATURN**
- A511 SOBC, Leicestershire County Council, 2019
- Map production of different of different scenarios of the A511 road traffic flows for the needs of the SOBC write-up using **GIS**
- Wakefield Model Update, Wakefield Council, 2020
- Base, Do-minimum and Do-something Forecast Model Network Coding using **SATURN**
 - Traffic Data Analysis for calibration and validation purposes
 - Spreadsheet modelling using **Excel and VBA**
 - Trip Generation Analysis using **uncertainty logs, TRICS, TEMPro and RTF data**
 - Assignments and result analysis and presentation using **GIS**
 - Congestion identification & Mitigation analysis and coding
 - LMVR and Forecasting Report Write-Up and **results presentation to the client**

East of Ipswich Strategic Highway Improvements, Suffolk County Council Framework, 2020

- Do-minimum and Do-something signalization coding of the A14 and A12 roads' junctions using **LinSig and SATURN**
- West Suffolk Local Plan network coding using **SATURN**
- West Mildenhall Developer Tests network coding using **SATURN**

Falkirk Microsimulation Model Update, Falkirk Council, 2020

- **GIS** analysis and Spreadsheet modeling using **VBA**

Dawsons Corner and Stanningley Bypass, Leeds City Council, 2020

- Base, Do-minimum and Do-something Forecast Model Network Coding using **SATURN**
- Traffic Assignments and result analysis, **comparison and presentation** using **GIS, Excel and PowerPoint**
- Map production and presentation to the clients using **GIS**
- Cost Benefit Ratio assessment for different scenarios using **TUBA**

West of England Combined Authority Strategic Model (WECA), 2021

- Highways and Public Transport Zone disaggregation using **Census data** (Nomisweb.co.uk) and **GIS spatial analysis**

COMET, Hertfordshire County Council, 2021

- Construction of **SATURN** Strategic Model for the 10 Municipalities of Hertfordshire County Council

2017-2018

Greek Army - Sapper in the Corps of Engineers

- Planning of army waste trucks routes
- Conducted topographical surveys (**CAD** drawings included) of NATO-Type fences for various military warehouses

2015

J. BOUTZOUROGLOU - H. PONTIKAS Co – Assistant Engineer (Internship)

- Data collection for drawing charts and topographical surveys
- Technical report writing
- Data digitization and analysis using **GIS**

IT SKILLS

Data Mapping/Design Tools

- ArcGIS
- QGIS
- AutoCAD

Strategic Modelling Software

- SATURN
- VISUM

Microsimulation Software (training)

- Paramics Discovery
- VISSIM

Junction Modelling Software

- Junctions 9 ARCADY
- LinSig

Statistics and Data Analysis Software

- IBM SPSS
- Microsoft Excel

Programming Languages

- Python (basic level)
- VBA (basic level)

Office Package

- MS Office Suite + Teams

OTHER EXPERIENCE

2017-

Vanilla World Skybar (Thessaloniki, Greece)

2018

Bar Manager and Bartender – Full Time

2013-

CABANA BEACH (Halkidiki, Greece)

2018

Bar Manager and Bartender – Full Time

VOLUNTEER EXPERIENCE

2018-

University of Leeds - Link to Leeds Ambassador

2019

- University Representative
- Responsible for campus tours and live-chat events
- Weekly Training of new members
- Encourage parents to reach out to me regarding their child's university experience

PROFESSIONAL MEMBERSHIPS

2018-
Present

Chartered Institution of Highways and Transportation - **Graduate Membership working towards TPP qualification**

2020-
Present

Member of the Greek Technical Chamber

LANGUAGES

- **English**
Fluent
- **German** Very
Basic level
- **Greek** Native