

CURRICULUM VITAE

1. FAMILY NAME: STATHOPOULOS

2. FIRST NAME: Antony

3. DATE OF BIRTH: 05.09.1948

4. NATIONALITY: Greek

5. EDUCATION:

Institution: National and Kapodistrian University of Athens

Date: 1972

Degree(s) or Diploma(s) obtained: Degree in Mathematics

Institution: University of Manchester Institute of Science and Technology
(UMIST)

Date: 1975

Degree(s) or Diploma(s) obtained: MSc in Civil Engineering

Institution: National Technical University of Athens

Date: 1984

Degree(s) or Diploma(s) obtained: Dr-Ing in Civil Engineering

6. LANGUAGE SKILLS: (Mark 1 to 5 for competence)

Language	Reading	Speaking	Writing
Greek	5	5	5
English	5	5	5
French	4	3	2

7. MEMBERSHIP TO PROFESSIONAL BODIES:

1976- Hellenic Institute of Transportation Engineers (*Member*)

1987- World Union of Transport (*Vice President*) and Urban Transport Commission (*President*).

1992- World Conference on Transport Research Society.

- 1998 - Technical Committee on Transportation Systems of the International Federation of Automatic Control, IFAC (*Committee member*)
- 2000 - 2012 Transportation Network Modeling Committee, US Transportation Research Board of the National Academies (*Committee member*)
- 2004- Joint Transport Research Centre (Organisation for Economic Co-Operation and Development, & **International Transport Forum**), Paris, FR (*Member of the Steering Committee*)
- 2008 - Association for European Transport, *Applied Methods in Transport Planning Programme Committee Member*

8. OTHER SKILLS: (e.g. Computer literacy, etc.)

- Fluent in MS software packages
- Fluent in FORTRAN programming
- Fluent in real-time control software

9. Professor Emeritus, School of Civil Engineering, National Technical University of Athens

Course Coordinator:

School of Civil Engineering

- Shipping and Sea Transportation (Inter-Departmental Postgraduate Course: Water Resources Sciences and Technology, Stream: Port Organization and Management)
- Optimization of Facilities Networks (Inter-Departmental Postgraduate Course: Water Resources Sciences and Technology, Stream: Port Organization and Management).

10. POSITIONS HELD UP TO 31/8/2015:

Professor of Transportation Systems

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

- Member of the Senate (2011-2012)
- Member of the Senate Select Committee on Computers and Networking
- Director, Personal Computers Laboratory (PC Lab) of the School of Civil Engineering
- Director, Laboratory of Railways and Transport, Dept. of Transpn. Planning & Engineering
- Deputy Director, Hellenic Institute of Transport/CERTH (2010 – 2012)

Course Coordinator:

- **School of Civil Engineering**
- *Transportation Systems Planning* (core, 6th semester)
- *Quantitative Methods in Transportation* (elective, 9th semester)
- *Quality Control and Quality Assurance* (elective, 9th semester)

- **School of Electrical and Computer Engineering**
- *Transport and Traffic- Non-Conventional Vehicles* (Inter-Departmental Postgraduate Course: Production and Management of Energy, 2nd semester)

- **School of Architecture**
- *Transportation Systems of Cities* (Inter-Departmental Postgraduate Course: Architecture- Planning and Design of Space, 1st & 2nd semester)

11. KEY QUALIFICATIONS:

Teaching and Research expertise in Transportation Systems Planning (Modeling and Forecasting), Specialized Transportation Systems, Unitized Cargo & Terminal and Port Facilities.

Consultant or Advisor to many studies of national and international bodies.

Consultant to the European Commission (2000-2001)

Electronic Management of Transport

Consultant to the European Investment Bank (1998- 1999)

Monitoring of the Marine Monitoring Project in Greece

Extended involvement in the formation and execution of European Research & Development Programs in the field of Advanced Transport Telematics (ATT).

Chairman of the ad hoc Ministerial Committee for achieving and securing the National Interoperability of electronic tolls (2008 - 2009)

Chairman of the ad hoc Ministerial Committee for achieving and securing the National Interoperability of electronic tolls considering matters of commercial exploitation of motorways or major technical projects with tolls (2011 - 2014)

- He has contributed more than 150 papers to scientific journals and conference proceedings.

- *Course Coordinator* of the European Training Programme on Traffic Systems / Advanced Traffic Crash Courses-ATRACC 5 under a contract with SODIT (AUEF Tranfert-Toulouse), in the framework of COMETT II, on the subject of Demand Management, 1993.

-*Visiting Scholar, California PATH*, University of California, Berkeley, USA, 2007

A. STATHOPOULOS 4

-*Associate Editor*, IEEE Intelligent Transportation Systems Society Conference, 2007-

-*Member of the Jury*, International Transport Forum: Young Researcher Award, 2010-

-*Editorial Board*, International Journal of Transportation Science and Technology (<http://www.multi-science.co.uk/ijtst.htm>), 2012-

-*Managing Guest Editor*, Transportation Research Part C: Emerging Technologies, Vol. 55, Special Issue: Engineering And Applied Sciences Optimization (OPT-i) – Professor Matthew G. Karlaftis Memorial Issue, 2015

12. INTERNATIONAL EXPERIENCE:

Involvement in the Trans-European North-South Motorway (TEM): a co-operative tenation project conducted under the auspices of the Economic Commission for Europe of the United Nations and financed by the UNDP.

- Acted as consultant to both the Greek Government and the United Nations.

- *Project Manager and course coordinator* of 2 seminar cycles offered to Iranian and Armenian engineers under a contract with the Ministry of National Economy arranged under the Greek Government's obligations to DAC/OECD. Topics covered transportation systems engineering/combined transport and included: combined/marine transport planning, operations of terminals, organizational matters, questions of ownership.

- *Course organiser* at the Technical University of Warsaw in the framework EU Programme TEMPUS / Trans-European Mobility Scheme for University Studies.

1. 1991- Component III: *The Application of Telematics in Transport Operations*, 8-10 July 1991 including: Demand Management Systems, Route Guidance Systems, Driver Information Systems, Real-Time Systems.
2. 1992- Component III: *Transport Telematics and Environmental Control*, 22-26 June 1992 including: Driver Information Systems, Demand Management, Prediction of Urban Traffic Pollution, Linking Environmental Control to Traffic Control.
3. 1993- *Advanced Concepts in Public Transport*, 1-4 June 1993 including: Bus routing, Priority Lane Networks, Transport Service Monitoring, Telematics Systems.

13. PROFESSIONAL EXPERIENCE RECORD:

Project assignments:

A. STATHOPOULOS 5

Sponsor: Hellenic Ministry of Environment, Energy and Climatic Change, 2010-2011
Project: Investigation of the potential exclusive use of the Panepistimiou Avenue by Public Transportation

Sponsor: Municipality of Athens, 2009 - 2010
Project: Planning of a Flexible, Specialized Municipal Transport System of High Standards and Efficiency

Sponsor: National Highway Fund S.A., 2008
Project: Requirement for Application of Interoperability in Electronic Fee Collection in Greece

Sponsor: SIEMENS – Transportation Systems, 2006
Project: Investigation of the Impact on the Safe Circulation and Material Stress of Dimensional Tolerances in Railway Boggies Considering UIC Regulation 518

Sponsor: Hellenic Railways, 2006
Project: Development of a Manual for Laying, Maintenance and Renewal of Railway Tracks

Sponsor: Athens Urban Transportation Organisation, 2004.
Project: Development of a Methodology and Algorithms for the Estimation of the Demand Distribution to the Public Transport Companies during Special Events

Sponsor: Region of Attica, co-financed by EU (ERDF 2000- 2006), 2003
Project: Information Society for the Quality of Life in the Region of Attica (ARI-ACT) – Traffic Information System – *eTRAFFIC*

Sponsor: Ministry of Transport and Communications, 2003
Project: Technical Support in Specialized Scientific Issues of Satellite Navigation Systems and Trans- and Pan- European Networks (EU - *Greek Presidency*)

Sponsor: Ministry of Transport and Communications, 2002
Project: Scientific Support to the *Greek Presidency* of the European Union on matters of Air Transport, Satellite Navigation Systems (GALILEO) and Road Safety

Sponsor: Ministry of Environment, Physical Planning and Public Works, 1999
Project: Environmental impacts of the implementation of alternative traffic management scenarios

Sponsor: Athens International Airport, 1999
Project: On & Off Airport Fuel Trucks Alternative Routes Study

Sponsor: Athens International Airport, 1998
Project: Scientific/Technical Advisor Services for the Parking Areas of the New Athens International Airport

Sponsor: Ministry of Environment, Physical Planning and Public Works, 1996.
Assignment: Operational Investigation of an Integrated System for Environmental Transportation and Traffic Management.

Sponsor: Athens Urban Transportation Organisation, 1995.

A. STATHOPOULOS 6

Assignment: A Research of the Feasibility to Replace Part of the Athens Bus Fleet with New, Low Emission Vehicles.

Sponsor: EEC (DG VII) under a Grant for the Road Safety Year, 1986.

Assignment: Low Cost Detection of Accident Propensity and Control Strategies for two-lane Highways.

Sponsors: Greek Ministry of Environment, Physical Planning and Public Works / EEC (DG XI), 1986.

Assignment: Techno-Economic Study of the Development of a City-Center Bus System. 1986.

Sponsors: EEC (DG XI) and Greek Ministry of Environment, Physical Planning and Public Works, 1983.

Assignment: Evaluation of Traffic and Traffic Conditions and their Contribution to the Air Pollution.

Projects (as a consortium partner):

Sponsor: EU (DG TREN), 2010

Project: Developing the European Transport Research Alliance- *DEDRA*

Sponsor: EU (DG TREN), 2006

Project: Principles of Successful High Quality Public Transport Operation and Development- *PROCEED*

Sponsor: European Commission (MEDA Programme), 2004

Project: Euromed Transport Project- Main Contract

Training Coordinator (2004 -2006)

Sponsor: EU (DG INFSO), 2001

Project: *FRAME S*- Frame Architecture Made for Europe- Support

Sponsor: Athens 2004 Bid Committee (1997)

Project: Transportation and Energy Supporting Study for the Games Logistics

Sponsor: European Commission (DG XIII), 1996

Project: Validation of a European Urban and Regional Integrated Road Transport Environment (*IRTE*) based on Open System Architecture (*QUARTET PLUS*) – Large-Scale Pilot in Athens.

Sponsor: European Commission (DG XIII), 1996

Project: Automatic Debiting and Electronic Payment for Transport II (*ADEPT II*)- Large-Scale Pilot in Lisbon (Portugal).

Sponsor: European Commission (DG XIII), 1996

Project: City Laboratories Enabling Organisation of Particularly Advanced Telematics Research and Assessment.

Sponsor: European Commission (DG XIII), 1995

A. STATHOPOULOS 7

Project: Quadrilateral Advanced Research on Telematics for Environment and Transport - Extension (QUARTEX) - IRTE Architecture.

Sponsor: European Commission (DG XIII), 1994.

Project: Kernel Project on Impacts of Transport Telematics on the Environment (KITE).

Sponsor: European Commission (DG VII), 1994.

Project: Demand for Transport in the Corridor Greece - Italy - Germany.

Sponsor: European Commission (DG XIII), Programme DRIVE II, 1991.

Project: Quadrilateral Advanced Research on Telematics for Environment and Transport (QUARTET) – Large-Scale Pilot in Athens.

Sponsor: European Commission (DG XIII), Programme DRIVE II, 1991.

Project: Automatic Debiting and Electronic Payment for Transport (ADEPT)

Sponsor: European Commission (DG XIII), Programme DRIVE I, 1989.

Project: Evaluation Process for Road Transport Informatics (EVA).

Sponsor: European Commission (DG XIII), Programme DRIVE I, 1988.

Project: Parking Management, Control and Information System (PARCMAN) – Large-Scale Pilot in Athens.

Sponsor: European Commission (DG XIII), Programme DRIVE I, 1988.

Project: Framework for Integrated Dynamic Analysis of Travel and Traffic (FRIDA).

Sponsor: European Commission (DG XIII), Programme DRIVE I, 1988.

Project: Evaluating Users Responses on New European Transport Technologies (EURONETT).

Sponsor: European Commission (DG XIII), Programme DRIVE I, 1988.

Project: Tidal Flow Systems.

Sponsor: Ministry of Environment, Physical Planning and Public Works / University of Patras.

Project: Study of the Maritime Traffic and Design Ship for the Rio-Antirio Bridge Project.

Assignments (as an advisor or consultant)

Client: Ministry of Transport and Maritime Affairs of Montenegro, 2017 (for SAFEGE (SUEZ)-ADK)

Project: Preparation of the Transport Development Strategy (**Team Leader**)

Client: The Punjab Masstransit Authority, Government of the Punjab, 2015-16 (for ADK, Osmani & Company (Pvt.) Ltd

A. STATHOPOULOS 8

Project: Public Transportation Studies, Transport Modelling and Feasibility Studies for Integrated Bus Operation in Lahore

Client: Kavala Port Authority, 2014 (for ADK, AKKT, EVIAM)

Project: Feasibility Analysis and evaluation of the viability of multimodal corridor of the approved Action "Sea2Sea" under the Trans-European Transport Network (TEN-T)

Client: Department of Roads, Ministry of Transport and Communications, Republic of Botswana, 2014- (for NAMA, ADK JV)

Project: Conceptual Design, Preparation of Bidding Documents, Assistance During the Selection of Contractor and Monitoring/Supervision of Construction, Installation, and Defects Liability Period for Three Grade Separated Intersections at the Intersections of KT Motsete Drive ('Western Bypass') with Lobatse Road, Willie Seboni Road and Kudumatse Drive, Botswana

Client: Public Works Department, Ministry of Communication and Works, Cyprus, 2013-14 (for NAMA – LDK Consulting Engineers)

Project: Consultancy Services for A Feasibility Study for a Tramway System in Nicosia

Client: Department of Roads, Ministry of Transport and Communications, Republic of Botswana, 2013- (for NAMA, ADK, PTV JV)

Project: Consultancy Services for Conceptual Design, Preparation of Bidding Documents, Assistance during the Selection of Contractor and Monitoring/Supervision of Construction, Installation, Operation and Maintenance for Traffic Signals Modernization and Provision of Centralized Traffic Control (CTC) for Greater Gaborone City

Client: Ministry of Environment, Energy and Climate Change, 2012-13 (for ADK Consulting Engineers)

Project: Assessment of environmental noise within the scope of Directive 2002/49/EC for the agglomerations of Heraklion and Chania

Client: Municipality of Nafplion, 2012 (for Kontole Consulting Eng.)

Project: Study of junctions and road safety for the central area of the city of Nafplion

Client: Ministry of Communications and Works, Republic of Cyprus, 2010 (for ADK Consulting Engineers)

Project: Feasibility Study for the Development of Fixed-Route Transport Lines Nicosia- Larnaca- Limassol

Client: Municipality of Nafplion, 2010 (for $\alpha + \pi 2$, Consulting Engineers)

Project: Traffic signaling study of Har. Trikoupi street in the city of Nafplion

Client: Athens Urban Transportation Organisation, 2007-2009 (for IBI Group, UK, and NAMA Consulting Engineers)

Project: Attiki Public Transport Master Plan (**Study Director**)

Client: Civil Aviation Authority, 2007 (for ADK Consulting Engineers)

Project: Heraklion State Airport – Environmental Impact Study

Client: Civil Aviation Authority, 2007 (for ADK Consulting Engineers)

Project: Cephalonia State Airport – Environmental Impact Study

Client: ARTTIC (Brussels)

Project: ATLANTIC/ *eEurope* 2002, Traffic and Traveller Information Services in Europe (2002)

Client: Ministry of Transport and Communications (2000)

Project: Consultation for the creation of a modern LRT system in Athens (w. C. Pyrgidis)

Client: Athens International Airport

Project: Athens International Airport Modal Split Analysis (1998)

Client: Ministry of the Aegean (for ADK Consulting Engineers)

Project: Feasibility Study for Transport Cost Subsidies in the Aegean Islands (1993).

Client: United Nations

Assignment ((Special Service Agreement): Update of the Trans-European Motorway (TEM) Traffic Forecasting (1992-1993)

Client: Ministry of Public Works (for TRITON Consult. Eng.).

Assignment: Traffic study for the new Port of Patras (1992)

Client: Ministry of Public Works (for TRITON Consult. Eng.).

Assignment: Site selection for a coal terminal in Greece.

Client: Commission of the European Communities

Assignment: Inclusion of Greece in the Commission's TASC System (1987)

Client: Port of Volos Authority.

Assignment: Port of Volos: container terminal feasibility study.

Client: Ministry of Public Works.

Assignment: Feasibility study for the development of a port facility at Chalkis.

Client: The Incorporated Shipping Company of Volos.

Assignment: Inter-island hydrofoil transport services.

Client: Evge Gestion, Vevey (Suisse).

Assignment: Operational requirements for a multi-propose port facility and container terminal.

Client: ICAP Hellas S.A.

Assignment: Ro-Ro service Trieste-Syria and container terminal in Crete.

Client: Municipality of Kalamata.

Assignment: Port of Kalamata: container terminal feasibility study.

Client: Economics and Planning Services Overseas Ltd.

Assignments:

- Transport Food and Textile Exports of Greece to West Europe.

- Crete and Peloponnese Regions: Long-term Port Development Options.
- Port of Volos: Operating Upgrading and Planning.

Client: Economic Commission for Europe (ECE), United Nations

Assignments:

- Identification of potential interrelationships between modes of inland transportation within the TEM countries.
- Methodology for long-term continuous updating of traffic volumes (*Quick-Response Models*).

Client: Economic Commission for Europe (ECE), United Nations

Assignment: Consultancy for Transport Statistics and Operations provided to the Transport Study Center for Eastern Mediterranean (*Development of a data base*).

Assignment: Mediterranean Transport Development Project.

Preparation of preliminary proposals for establishment of a data bank.

Technical Advisor: Ministry of Coordination, Athens (1980 - 1985).

Assignment:

- Danube - Aegean Sea Inland Navigable Waterway Project
- Trans-European North-South Motorway (TEM) Project.

United Nations, Economic Commission for Europe (ECE), (1980 - 1985).

- Group of Experts on Transport Trends and Policy (member)

United Nations, Economic Commission for Europe (ECE), (1980 -1985).

- Group of Experts on Transport Economics (member)

United Nations Development Programme (UNDP)

Trans-European North-South Motorway Project.

- Panel of Experts on Forecasting (member)

United Nations Development Programme (UNDP), Trans-European North-South Motorway Project (1980 - 1985).

- Panel of Financial Experts (member)

European Union -COST Action 616 (Mobile sources of urban air pollution)

A. STATHOPOULOS 11

- National Representative

Joint Transport Research Centre (Organisation for Economic Co-Operation and Development, & International Transport Forum), Paris, FR

- **Member of the Steering Committee** (2004 –to date)

14. KEY PUBLICATIONS

Papatzikou, E., Stathopoulos, A., Rapid algorithm for finding the best combination of signaling phases using optimization methods, *International Journal of Transportation Science and Technology*, 2018

Papatzikou, E., Stathopoulos, A., Decision Support System for Network Traffic Control Risk Management, *International Journal of Scientific & Engineering Research* 9 (10), 1848 – 1857, 2018

Papagianni, S., Iliopoulou, C., Kepaptsoglou, C., A Stathopoulos, A., Decision-Making Framework to Allocate Real-Time Passenger Information Signs at Bus Stops: Model Application in Athens, Greece, *Journal of the Transportation Research Board, TRR* 2647, 2017

Papatzikou, E., Stathopoulos, A., Conditional value-at-risk optimization of traffic control at isolated intersection, *Proc. 5th IEEE International Conference: Models and Technologies for Intelligent Transportation Systems (MT-ITS)*, 2017

Kepaptsoglou, K., Stathopoulos, A., Karlaftis, M.G., Ridership estimation of a new LRT system: Direct demand model approach, *Journal of Transport Geography* 58, 146-156, 2017

Dimitriou, L., Stathopoulos, A., Capturing System-wide Magnitude of Earthquakes' Effects on Urban Traffic Networks, *IFAC-PapersOnLine* 49 (3), 243-248, 2016

Gkiotsalitis, K., A Stathopoulos, A., Demand-responsive public transportation re-scheduling for adjusting to the joint leisure activity demand, *International Journal of Transportation Science and Technology* 5 (2), 68-82, 2016

Gkiotsalitis, K., Stathopoulos, A., Joint leisure travel optimization with user-generated data via perceived utility maximization, *Transportation Research Part C: Emerging Technologies* 68, 532-548, 2016

Kepaptsoglou, K., Karlaftis, M.G., Gkotsis, I., Vlahogianni, E., Stathopoulos, A., Urban regeneration in historic downtown areas: an ex-ante evaluation of traffic impacts in Athens, Greece, *International Journal of Sustainable Transportation* 9 (7), 478-489, 2015

Gkiotsalitis, K., Stathopoulos, A., A utility-maximization model for retrieving users' willingness to travel for participating in activities from big-data, *Transportation Research Part C: Emerging Technologies* 58, 265-277, 2015

A. STATHOPOULOS 12

Konstantinidou, M.A., Kepaptsoglou, K.L., Karlaftis, M.G., Stathopoulos, A., Joint evacuation and emergency traffic management model with consideration of emergency response needs, *Journal of the Transportation Research Board, TRR 2532*, 2015

Papatzikou, E., Stathopoulos, A., An optimization method for sustainable traffic control in urban areas, *Transportation Research Part C: Emerging Technologies* 55, 179-190, 2015

Dimitriou, L., Kaltsounis, A., Stathopoulos, A., Pareto evolutionary optimization of joint network design and pricing strategies related to emissions in urban networks, *Transportation Systems and Engineering: Concepts, Methodologies, Tools, and Applications*, 1-3 pp. 221 – 249, 2015

Konstantinidou, M., Kepaptsoglou, K., Karlaftis, M. G., Stathopoulos, A., Joint Evacuation and Emergency Traffic Management Model with Consideration of Emergency Response Needs, *Journal of the Transportation Research Board, TRR 2532*, 2015

Kepaptsoglou, K., Karlaftis, M. G., Stathopoulos, A., Ridership Estimation of New LRT System: Direct Demand Model Approach, *Proc.*, 94th Annual Meeting of the Transportation Research Board, Washington, D.C., 2015

Kepaptsoglou, K., Karlaftis, M.G., Gkotsis, I., Vlahogianni, E., Stathopoulos, A., 'Urban Regeneration in Historic Downtown Areas: An Ex-Ante Evaluation of Traffic Impacts in Athens, Greece', *International Journal of Sustainable Transportation* 9 (7), pp. 478-489, 2015

Gkiotsalitis, K., Stathopoulos, A., 'A utility-maximization model for retrieving users' willingness to travel for participating in activities from big-data', *Transportation Research Part C: Emerging Technologies*, 2015

Gkiotsalitis, K. Stathopoulos, A., 'Optimizing Leisure Travel: Is Big Data Ready to Improve the Joint Leisure Activities Efficiency?', *Engineering and Applied Sciences Optimization*, 53-71, 2015

Papatzikou, E., Stathopoulos, A., 'An optimization method for sustainable traffic control in urban areas', *Transportation Research Part C: Emerging Technologies*, Vol. 55, pp.179-190, June 2015

Kepaptsoglou, K., Konstantinidou, M., Karlaftis, M. G., and Stathopoulos, A., 'Planning post-disaster operations in a highway network: a network design model with interdependencies', *Journal of the Transportation Research Board, TRR 2459*, 2014

Papatzikou, E., Stathopoulos, A. Papadakis, P., 'Testing Traffic Control Strategies in Gaborone Using Dynamic Traffic Assignment Tools', *Proc.*, 19th World Congress, IFAC'14, 24-29 August 2014, Cape Town, South Africa

Gkiotsalitis, K., Stathopoulos, A., 'A Mobile Application for Real-Time Multi-Modal Routeing under a set of Users' Preferences', *Journal of Intelligent Transportation Systems*, 2014, DOI: 10.1080/15472450.2013.856712,

Kepaptsoglou, K., Karlaftis, M.G., Gkotsis, I., Vlahogianni, E., Stathopoulos, A., 'Urban Regeneration in Historic Downtown Areas: An Ex-Ante Evaluation of Traffic Impacts in Athens, Greece', *International Journal of Sustainable Transportation*, 07/2014

Papatzikou, E., Stathopoulos, A., 'Risk Assessment of the Stability Properties of the Dynamic Network Loading', *Proc.*, 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., 2013

Papatzikou, E., Stathopoulos, A., 'Value-at-Risk Assessment of Dynamic Network Loading', *Proc.*, IFAC Workshop on Advances in Control and Automation Theory for Transportation Applications, ACATTA 2013, 16-17 September 2013, Istanbul, Turkey

Papatzikou, E., Stathopoulos, A., 'A Dynamic Traffic Assignment Measure of Stability Based on Network Efficiency', *Proc.*, 13th IFAC Symposium on Control in Transportation Systems, Sept. 2012, Sofia

Dimitriou, L., Stathopoulos, A., 'Possibilistic resource allocation optimization models for improving access safety over a network of interurban highways', *Proc.*, 1st International Conference on Access Management, Athens, June 15-17, 2011

Tsekeris, T., Stathopoulos, A., "Short-term prediction of urban traffic variability: stochastic volatility modeling approach", *ASCE Journal of Transportation Engineering*, Vol. 136, No. 7, 2010

Dimitriou, L., Stathopoulos, A., 'Agent-based game-theoretic framework for designing competitive transportation systems', *International Journal of Industrial and Systems Engineering*, V6, 3, 2010

Stathopoulos, A., Karlaftis, M.G., Dimitriou, L., 'Fuzzy Rule-Based System Approach for Adaptively Combining Traffic Count Forecasts', *Proc.* 89th Annual Meeting of the Transportation Research Board, Washington, D.C., 2010

Dimitriou, L., Kaltsounis, A., Stathopoulos, A., 'Evolutionary Revealed Social Dilemmas in Optimal Joint Decisions Regarding Carbon Footprint in Urban Road Networks', *Proc.* 89th Annual Meeting of the Transportation Research Board, Washington, D.C., 2010

Dimitriou, L., Kaltsounis, A., Stathopoulos, A., 'Introducing Transportation-Related Carbon Footprint Considerations in Optimal Urban Road Infrastructure Management', *International Journal of Energy and Environment*, Issue 3, Volume 3, 2009, pp. 103-111.

Stathopoulos, A., Tsekeris, T., "Economy of information in congested transport systems", *IET Intelligent Transport Systems*, Vol. 3, Issue 3, Sept. 2009

Stathopoulos, A., Karlaftis, M.G., Dimitriou, L., 'An Information Fusion Framework of Traffic Counts Forecasts Based on Concepts from Fuzzy Set Theory', *Proc.* 12th IFAC Symposium on *Control in Transportation Systems (CTS'09)*, California, USA, 2009

Dimitriou, L., Stathopoulos, A., 'Agent-Based Evolutionary Game-Theoretic Framework for Optimizing Investment Plans of Competitive Port Facilities', *Proc.* 12th IFAC Symposium on *Control in Transportation Systems (CTS'09)*, California, USA, 2009

Tsekeris, T., Antony Stathopoulos, A., 'Models to predict traffic volatility in transportation networks', *Proc.* 12th IFAC Symposium on *Control in Transportation Systems (CTS'09)*, California, USA, 2009

- Dimitriou, L., Tsekeris, T., Stathopoulos, A., "Joint pricing and design of urban highways with spatial and user group heterogeneity", *NETNOMICS: Economic Research and Electronic Networking*, V.10, N1, pp. 141-160, 2009
- Daskalakis, N., Stathopoulos, A., "Users' perspective evaluation of bus arrival time deviations in stochastic networks", *Journal of Public Transportation*, Vol. 11, No. 4, 2008
- Tsekeris, T., Stathopoulos, A., "Treating uncertain demand information in origin-destination matrix estimation with traffic counts", *Journal of Transportation Engineering* 134 (8), pp. 327-337, 2008
- Dimitriou, L., Tsekeris, T., Stathopoulos, A. "Adaptive hybrid fuzzy rule-based system approach for modeling and predicting urban traffic flow", *Transportation Research Part C: Emerging Technologies* 16 (5), pp. 554-573, 2008
- Stathopoulos, A., Dimitriou, L., Tsekeris, T., "Fuzzy modeling approach for combined forecasting of urban traffic flow", *Computer-Aided Civil and Infrastructure Engineering* 23 (7), pp. 521-535, 2008
- Stathopoulos, A. and Tsekeris, T. "The Athens Dynamic Traffic Map for multimodal travel information services", *Journal of Maps*, v2008, 119-134, 2008
- Dimitriou, L., Stathopoulos, A., Tsekeris, T. "Reliable stochastic design of road network systems", *International Journal of Industrial and Systems Engineering* 3 (5), pp. 549-574, 2008
- Dimitriou, L., Tsekeris, T., Stathopoulos, A., "Genetic computation of road network design and pricing Stackelberg games with multi-class users", *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)* 4974 LNCS, pp. 669-678, 2008
- Tsekeris, T., Dimitriou, L., Stathopoulos, A., "Combined genetic computation of microscopic trip demand in urban networks", *Studies in Computational Intelligence* 144, pp. 3-21, 2008
- Dimitriou, L., Tsekeris, T., Stathopoulos, A., "Genetically optimized infrastructure design strategies in degradable transport networks", *Studies in Computational Intelligence* 144, pp. 23-43, 2008
- Dimitriou, L., Stathopoulos, A., "Modelling dynamic urban road networks performance under congestion pricing strategies", *Proceedings of the 17th World Congress, The International Federation of Automatic Control, Seoul, Korea, July 6-11, 2008*
- Tsekeris, T., Dimitriou, L., Stathopoulos, A. "Simultaneous Origin-Destination Matrix Estimation in Dynamic Traffic Networks with Evolutionary Computing", M. Giacobini et al. (Eds.): *EvoWorkshops 2007, Lecture Notes in Computer Science* 4448, pp 668-677, Springer, 2007.
- Dimitriou, L., Tsekeris, T., Stathopoulos, A. "Evolutionary Combinatorial Programming for Discrete Road Network Design with Reliability Requirements", M. Giacobini et al. (Eds.): *EvoWorkshops 2007, Lecture Notes in Computer Science* 4448, pp 678-687, Springer, 2007

Stathopoulos, A., Tsekeris, T. "Models for surveillance of variability in motorway traffic flow", European Control Conference 2007 (ECC'07), Kos, July, 2007

Vlahogianni, E., Karlaftis, M., Golias, J., Stathopoulos, A. "Analysis of the Short-Term Transitional Behavior of Coupled Information of Volume and Occupancy: A Wavelet Approach", World Conference on Transport Research (WCTR 2007), Berkeley, CA, USA, June 2007.

Dimitriou, L., Tsekeris, T., Stathopoulos, A. "Evolutionary Game-Theoretic Model for Performance Reliability Assessment of Road Networks", INSTR2007, 3rd International Symposium on Transportation Network Reliability, July 2007, T.U. Delft, The Netherlands

Karlaftis, M., Kepaptsoglou, K., Stathopoulos, A. "Multimodal Trip Chains During Large Events: A Non – Homogeneous Markov Decision Process Approach", TLOG 2007 The 2nd International Conference on Transportation Logistics, July 2007, Shenzhen, P. R. China

Stathopoulos, A. Dimitriou, L. "Continuous Network Design Problem with Reliability Constraints: Genetic Stochastic System Design Approach", 86th Annual Meeting of the Transportation Research Board, Washington, D.C., 2007

Vlachogianni, E., Karlaftis, M., Golias, I., Stathopoulos, A. "Application of Wavelets and Self-Organizing Kohonen Maps to Identify Transitions in Short-Term Urban Traffic Flow", 86th Annual Meeting of the Transportation Research Board, Washington, D.C., 2007

Dimitriou, L., Tsekeris, T., Stathopoulos, "Genetic Algorithm -Based Micro-Simulation Approach for Estimating Turning Proportions at Signalized Intersections", 11th IFAC-Symposium on Control in Transportation Systems, Delft, The Netherlands, 2006

Karlaftis, M., Kepaptsoglou, K., Stathopoulos, A "Decision Support Systems for Planning Bus Operations During Mega Events: The Athens 2004 Summer Olympics", 11th IFAC-Symposium on Control in Transportation Systems, Delft, The Netherlands, 2006

Dimitriou, D., Karlaftis, M., Stathopoulos, A., Kepaptsoglou, K., "Public Transportation during the Athens 2004 Olympics: From Planning to Performance Evaluation", 85th Annual Meeting of the Transportation Research Board, Washington, D.C., 2006

Dimitriou, D., Karlaftis, M., Stathopoulos, A., "Sampling for Public Transport During Large Events : A Venue-Based Approach", 85th Annual Meeting of the Transportation Research Board, Washington, D.C., 2006

Tsekeris, T., Stathopoulos, A., "Real-Time Traffic Volatility Forecasting in Urban Arterial Networks", Journal of the Transportation Research Board, TRR No. 1964, Washington, D.C., 2006

Stathopoulos, A., Tsekeris, T., "Methodology for processing archived ITS data for reliability analysis in urban networks", IEE Pro. Intelligent Transport Systems, 2006

Tsekeris, T., Stathopoulos, A., "Measuring Variability in Urban Traffic Flows by Use of Principal Component Analysis", Journal of Transportation and Statistics, Vol. 9, Washington, 2006

Hadjileontiadou, S., Stathopoulos, A., "Short-term forecast of urban ozone episodes using fuzzy neural networks", *Fresenius Environmental Bulletin*, Volume 15- No. 8b, 2006

Tsekeris, T., Stathopoulos, A., "**Discussion**" of "Multiple-Vehicle Origin-Destination Matrix Estimation from Traffic Counts Using Genetic Algorithm" by Baek, S., Kim, H., and Lim, Y., *ASCE Journal of Transportation Engineering*, Oct. 2005

Tsekeris, T., Stathopoulos, A., "Gravity models for dynamic transport planning: Development and implementation in urban networks", *Journal of Transport Geography*, 2005

Vlahogianni, E., Karlaftis, M., Stathopoulos, A., "An Extreme Value Based Neural Clustering Approach for Identifying Traffic States", 8th International IEEE Conference on Intelligent Transportation Systems, Vienna, 2005

Tsekeris T., Stathopoulos A., "A Quasi-Dynamic Network Assignment Procedure with Transient Demand Matrices", *ASCE Journal of Transportation Engineering*, Vol. 131, No.2, 2005

Stathopoulos, A., Tsekeris, T., "Methodology for Validating Dynamic Origin-Destination Matrices with Implications to Advanced Travellers Information Systems", *Transportation Planning and Technology*, Vol. 28, No. 2, 2005

Karlaftis, M., Kepaptsoglou, K., Stathopoulos, A., "Paratransit Service Optimization for Special Events", *Journal of the Transportation Research Board*, TRR No. 1903, Washington, 2005

Stathopoulos, A., Tsekeris, T., "Methodology for Estimating Traffic Network Performance under Routing Information", *Techika Chronika Scientific Journal of the TCG*, Vol.25, No 1, 2005

Stathopoulos, A., Tsekeris, T., "A Hybrid Meta-Heuristic Optimization Algorithm for the Problem of O-D Matrix Estimation", *Computer-Aided Civil and Infrastructure Engineering*, Blackwell Publishing Journals, 2004

Stathopoulos, A., Tsekeris, T., "Enhanced Dynamic O-D Matrix Updating Using Long-Term Flow Information", *Journal of the Transportation Research Board*, Record 1857, Washington, 2004.

Karlaftis, M. G., Kepatsoglou, K., Stathopoulos, A., Starra, A., "Planning Public Transport Networks for the 2004 Summer Olympics with Decision Support Systems", *Journal of the Transportation Research Record*, Record 1887, Washington, 2004.

Pyrgidis, C., Stathopoulos, A. "The new light rail transit system of Athens, Greece", *Rail Engineering International*, Vol. 33, No.3, 2004.

Stathopoulos, A., Tsekeris, T., "Validation of On-Line Dynamic O-D Matrix Estimation Model Using Simulation in Large-Scale Networks", 83rd Annual Meeting of the Transportation Research Board, Washington, D.C., 2004

Geroliminis, N., Karlaftis, M., Stathopoulos, A., Kepaptsoglou, K., "A Districting and Location Model Using Spatial Queues", 83rd Annual Meeting of the Transportation Research Board, Washington, D.C., 2004

Stathopoulos, A., Tsekeris, T. "Long-term travel demand forecasting in general dynamic transportation networks", *Proceedings, 82nd Annual Meeting of the Transportation Research Board*, Washington, D.C., 2003.

T. Tsekeris, A Stathopoulos, "Real-time dynamic O-D matrix adjustment using simulated and actual link flows in large-scale networks", *82nd Annual Meeting of the Transportation Research Board*, Washington, D.C., 2003.

A. Stathopoulos, M. Karlaftis, "Trends in road traffic congestion: An extreme order statistics approach", *Proceedings, 82nd Annual Meeting of the Transportation Research Board*, Washington, D.C., 2003.

A. Stathopoulos, T. Tsekeris, "A framework for analyzing reliability and information degradation of demand matrices in extended transport networks", *Transport Reviews*, Vol. 23, No. 1, 2003.

A. Stathopoulos, M. Karlaftis, "A multivariate state-space approach for urban traffic flow modelling and prediction", *Transportation Research, Part C- Emerging Technologies*, 11(2), Pergamon Press, 2003.

V. Psaraki, A. Stathopoulos, C. Abacoumkin, "Parking requirements for relocated airports: the new Athens International Airport", *Journal of the Transportation Research Board*, TRR No. 1788, Washington, D.C., 2002.

A. Ballis, A. Stathopoulos, "Innovative transshipment technologies investigated for implementation in the seaports and barge terminals", *Journal of the Transportation Research Board*, TRR No. 1782, Washington, D.C., 2002.

A. Ballis, A. Stathopoulos, E. Sfakianaki, "Sizing of processing and holding air terminal facilities for charter passengers using simulation tools", *International Journal of Transport Management*, No. 1, Pergamon Press, 2002.

A. Stathopoulos, M. Karlaftis, "Modeling the duration of urban traffic congestion", *ASCE Journal of transportation Engineering*, Vol. 128, Nr. 6, pp. 587-590, 2002.

A. Stathopoulos, T. Tsekeris, "A deterministic semi-dynamic network assignment model using transient O-D matrices", *Proceedings, 81st Annual Meeting of the Transportation Research Board*, Washington, D.C., 2002.

A. Stathopoulos, T. Tsekeris, "Traffic control and demand profile changes: the case of Athens", *Proceedings, International Federation of Automatic Control (IFAC) 15th World Congress*, Barcelona, 2002.

A. Stathopoulos, T. Tsekeris, "A comparison of metaheuristic approaches for estimating demand matrices in transport networks", *Proceedings, 1st International Congress on Transportation Research in Greece*, Hellenic Institute of Transport, Athens, Feb. 2002.

A. Stathopoulos, M. Karlaftis, "Temporal and Spatial Variations of Real – Time Traffic Data in Urban Areas", *Journal of the Transportation Research Board, TRB 1768*, pp. 135-140, Washington, D.C., 2001.

A. Stathopoulos, M. Karlaftis, "Spectral and cross-spectral analysis of urban traffic flows", *Proceedings, Institute of Electrical and Electronics Engineers (IEEE) 4th International IEEE Conference on Intelligent Transportation Systems*, Oakland (CA), 2001.

A. Stathopoulos, "Ambient Intelligence Systems for Intelligent Infrastructure – Set of Tools for Environmental Impact", *EC Special Session: Information Society Technology (ITS) tools for better environmental integration in transport management, Proceedings, World Congress on Intelligent Transport Systems*, Turin, Nov. 6-9, 2000.

A. Stathopoulos, "Implementation guidelines for real-time environmental traffic control", *Proceedings, Inter. Congress, Télématique des Déplacements urbains*, Toulouse, 10-11 mars 1999.

A. Stathopoulos, "Integration of Public Information", *Proceedings, Congress on Intelligent Transport Systems in Europe*, Amsterdam, June 14-17, 1999.

A. Proyou, I. Ziomas, A. Stathopoulos, "Application of a Three-Layer Photochemical Box Model in an Athens Street Canyon", *Journal Air & Waste Management Assoc.*, **48**: 427-433, May 1998.

A. Stathopoulos "Market Analysis and Prospects of Smart Cards in the Transport Industry", *Proceedings, Electronic Payment Systems in Transport, IBC Conference*, London 16-17 Mar., 1998.

A. Ballis, A. Stathopoulos, C. Abacoumkin, "Measuring attractiveness and spatial allocation of the tourism demand in the Greek island of Crete", *Proceedings, (ITS) Intern. Scientific Congress "Tourism and Culture for Sustainable Development"*, Athens 19-21 May 1998.

A. Ballis, A. Stathopoulos, "A Paradigm of Information and Operational Control in Port Management Systems", *Proceedings., International Federation of Automatic Control (IFAC) 8th Symposium on Transportation Systems '98*, Chania, 16-17 June., 1997.

Stathopoulos, A., A Commentary, *IVHS Journal*, Vol.2, Issue 2, 1994

Stathopoulos, A., Papachristou, N., Mateus, C., and Hatoglou, G., The Lisbon field-trials: Car-park booking, in-vehicle guidance and information, and fee collection, *Traffic Engineering and Control*, Vol.35, No 6, pp 368-372, June 1994

Stathopoulos, A., Argyrakos, G., Control strategies for reducing environmental pollution from road traffic, *The Science of the Total Environment*, Elsevier Science Publishers, 134, pp 315-324, 1993

Stathopoulos, A., Kountras, A., Strategic Updating of Autonomous Route Guidance Systems for Air Quality Management, *Proceedings, American Society of Civil Engineers (ASCE) Third International Conference on Applications of Advanced Technologies in Transportation Engineering*, Pacific Rim, Seattle, Washington USA, July 25-28, pp. 361-365, 1993.

Koutras, A., Stathopoulos, A., Complementary Diversion-Sensitive Route Guidance Systems, *Proceedings, Institute of Electrical and Electronics Engineers (IEEE – IEE) Vehicle Navigation & Information Systems Conference, Ottawa, Canada, 12-15, pp. 363-366, 1993.*

Stathopoulos, A., Collective route guidance systems, *in Concise Encyclopaedia of Traffic and Transportation Systems*, M. Papageorgiou (Ed), Pergamon Press, pp 412-416, 1991.

Stergiou, B., Stathopoulos, A., Traffic models and Road Transport Informatics (RTI) Systems, *Traffic Engineering and Control*, Vol.30, No 12, pp 580-586, December 1989.

Stathopoulos, A., Contrôle du modèle prévisionnel de trafic de la TEM, *Revue Générale des Routes et des Aérodrômes*, No 632, pp. 53-57, Juillet-Aout 1986.

<http://scholar.google.com/citations?user=wJP97voAAAAJ>

ORCID QR CODE

