

# *Curriculum Vitae*

## Konstantinos N. Androutsopoulos

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Date of Birth: 01/05/1973

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## 1. ACADEMIC EDUCATION

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Ph.D. in Management Science (2003) Department of Management Science and Technology, Athens University of Economics and Business.

M.Sc. in Statistics and Operational Research (1996): University of Essex, UK, Department of Mathematics.

B.Sc. in Mathematics (1995), National and Kapodestrian University of Athens, Department of Mathematics.

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## 2. PROFESSIONAL ACTIVITIES

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### 2.1 ACADEMIC POSITIONS

<b>Associate Professor</b> , Athens University of Economics and Business, School of Business, Department of Management Science and Technology	<b>2024-</b>
<b>Assistant Professor (tenured)</b> , Athens University of Economics and Business, School of Business, Department of Management Science and Technology	<b>2019-2024</b>
<b>Assistant Professor</b> , Athens University of Economics and Business, School of Business, Department of Management Science and Technology	<b>2016-2019</b>
<b>Lecturer</b> , Athens University of Economics and Business, School of Business, Department of Management Science and Technology	<b>2012-2016</b>
<b>Lecturer (PD 407/1980)</b> , Athens University of Economics and Business, Department of Management Science and Technology	<b>2003-2009</b>
<b>Research Associate</b> , Transportation Systems and Logistics Laboratory, Athens University of Economics and Business	<b>1996-2010</b>

## **2.2 UNDERGRADUATE COURSES**

(2013-2023) “Analysis and Planning of Transportation and Distribution Systems”, Department of Management Science and Technology, Athens University of Economics and Business.

(2012-2023) “Supply Chain Management”, Department of Management Science and Technology, Athens University of Economics and Business

(2013-2023) “Project Management”, Department of Management Science and Technology, Athens University of Economics and Business

(2011-2014) “Green Supply Chain Management”, Department of Management Science and Technology, Athens University of Economics and Business (ERASMUS PROGRAMME Reading Course)

(2013-2014) “Analysis and Planning of Transportation and Distribution Systems”, Department of Management Science and Technology (ERASMUS PROGRAMME Reading course)

(2004-2009) “Analysis and Planning of Transportation and Distribution Systems”, Department of Management Science and Technology, Athens University of Economics and Business. (PD 407/1980)

(2007-2009) “Supply Chain Management”, Department of Management Science and Technology, Athens University of Economics and Business (PD 407/1980)

(2008-2009) “Project Management”, Department of Management Science and Technology, Athens University of Economics and Business (PD 407/1980)

(2003-2004) “Project Management”, Department of Finance and Accounting, Τμήμα Λογιστικής και Χρηματοοικονομικής, Athens University of Economics and Business (PD 407/1980)

## **2.3 POSTGRADUATE COURSES**

(2014-2023) “Global Supply Chain Management”, International MBA, Athens University of Economics and Business

(2015-2023) “Logistics”, M.Sc. in Management Science and Technology, Athens University of Economics and Business

(2015-2023) “Transportation and Distribution Systems Planning”, M.Sc. in Management Science and Technology, Athens University of Economics and Business

(2016-2023) “Logistics Management and Liner Shipping”, M.Sc. in International Shipping, Finance and Management, Athens University of Economics and Business (with Prof. Notteboom)

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### 3. RESEARCH ACTIVITIES

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#### 3.1 RESEARCH INTERESTS

- Vehicle Routing and Scheduling
- Scheduling in Air Transport Systems
- Routing and Scheduling in Multimodal Dynamic Transportation Networks
- Planning and Evaluation of Flexible Transport Systems
- Analysis and Planning of Transportation and Distribution Systems
- Multicriteria Decision Making and Evaluation
- Emergency Response Logistics

#### 3.2 REFEREED JOURNAL ARTICLES

Androutsopoulos, K.N. and E. Karouti (2022) A safety-driven truck loading problem. Operational Research International Journal (in press). <https://doi.org/10.1007/s12351-022-00737-7>.

Androutsopoulos, K.N., E. Manousakis and M.A. Madas (2020) Modeling and solving a bi-objective airport slot scheduling problem. European Journal of Operational Research Vol. 284 (1) pp. 135-151. (**ABS Journal Rank: 4**)

Androutsopoulos, K.N. and M.A., Madas (2019). Being fair or efficient? A fairness-driven modeling extension to the strategic airport slot scheduling problem. Transportation Research Part E. Vol. 130, October 2019, pp. 37-60. (**ABS Journal Rank: 3**)

Zografos, K.G., Androutsopoulos, K.N., Madas (2018), M.A. Minding the gap: Optimizing airport schedule displacement and acceptability. Transportation Research Part A . Volume 114, Part A, August 2018, Pages 203-221 (**ABS Journal Rank: 3**)

Androutsopoulos, K.N. and K.G. Zografos (2017). An Integrated Modelling Approach for the Bicriterion Vehicle Routing and Scheduling Problem with Environmental Considerations, Transportation Research Part C, Volume 82, pp. 180-209 (IF: 9.022, **Journal in Top 20%**, ranked 6/60 in subject area “Transportation Science and Technology”)

Zografos, K.G., Madas, M.A., Androutsopoulos, K.N. (2017). Increasing airport capacity utilisation through optimum slot scheduling: review of current developments and identification of future needs, Journal of Scheduling, 20(1), pp. 3-24. (**ABS Journal Rank: 2, IF: 2.130**)

Androutsopoulos, K.N. and K.G. Zografos (2012). A Bi-objective Time-Dependent Vehicle Routing and Scheduling Problem for Hazardous Materials Distribution, EURO Journal on Transportation and Logistics, Vol. 1, No. 1/2, pp. 157-183.

Zografos, K.G., Androutsopoulos K.N. (2011). Assessing the Economic and Institutional Impacts Resulting from the Introduction of a Self Separation Operational Concept in Air Traffic Management. Transportation Research Record: Journal of the transportation Research Board , 2214, pp. 94-102. (IF: 2.019)

Androutsopoulos, K.N., Zografos, K.G. (2010). Solving the Bi-criterion Routing and Scheduling Problem for Hazardous Materials Distribution. Transportation Research Part C, 18 (5), pp. 713-726. (IF: 9.022, **Journal in Top 20%**, ranked 6/60 in subject area "Transportation Science and Technology")

Androutsopoulos K.N., Zografos, K.G. (2009). Solving the multi-criteria time dependent routing and scheduling problem in a multimodal fixed scheduled network. European Journal of Operational Research, Vol. 192(1), pp. 18-28. (**ABS Journal Rank: 4**)

Zografos, K.G., Androutsopoulos, K.N. (2009). Design and Assessment of an On-Line Passenger Information System for Integrated Multimodal Trip Planning. IEEE Transactions on Intelligent Transportation Systems 10 (2), pp. 311-323. (IF: 9.551, **Journal in Top 20%**, ranked 5/40 in subject area "Transportation Science and Technology")

Zografos, K.G., Androutsopoulos, K.N., Sihvola, T. (2009). A Methodological Approach for Developing and Assessing Business Models for Flexible Transport Systems. Transportation, 35 (6), pp. 777-795. (ABS Journal Rank: 2)

Zografos, K.G., Androutsopoulos, K.N. (2008). A Decision Support System for Integrated Hazardous Materials Routing and Emergency Response Decisions. Transportation Research Part C, Vol. 16(6), pp. 684-703. (IF: 9.022, **Journal in Top 20%**, ranked 6/60 in subject area "Transportation Science and Technology")

Zografos, K.G., Spitadakis, V., Androutsopoulos, K.N. (2008). An Integrated Passenger Information System for Multimodal Trip Planning. Transportation Research Record : Journal of the Transportation Research Board (2072), pp. 20-29. (IF: 2.019)

Zografos, K.G., Androutsopoulos, K.N. (2008). Algorithms for Itinerary Planning in Multimodal Transportation Networks. IEEE Transactions on Intelligent Transportation Systems, Vol. 9 (1), pp. 175-184. (IF: 9.551, **Journal in Top 20%**, ranked 5/40 in subject area "Transportation Science and Technology")

Androutsopoulos K.N., Zografos, K.G. (2008). Solving the k-shortest path problem with time windows in a time varying network. Operations Research Letters, Vol. 36, pp. 692-695. (ABS Journal Rank: 2)

Zografos, K.G., Androutsopoulos, K.N. (2004). A Heuristic Algorithm for Solving Hazardous Materials Distribution Problems. European Journal of Operational Research, Volume 152 (2), Pages 507-519. (**ABS Journal Rank: 4**)

Zografos, K.G., Androutsopoulos, K.N., Vasilakis, G. (2002). A Real-Time Decision Support System for Roadway Network Incident Response Logistics. Transportation Research Part C, vol. 10, pp. 1-18. (IF: 9.022, **Journal in Top 20%**, ranked 6/60 in subject area "Transportation Science and Technology")

Zografos, K.G., Androutsopoulos, K.N. (2002). Heuristic Algorithms for Solving Hazardous Materials Logistical Problems. Transportation Research Record: Journal of the Transportation Research Board, No.1783, pp.158-166. (5 year IF: 2.019)

Kiranoudis, C.T., Kourniotis, S.P., Christolis, M., Markatos, N.C., Zografos, K.G., Giannouli, I.M., Androutsopoulos, K.N., Ziomas, I. Kosmidis, E., Simeonidis, P., Poupkou, N. (2002). An operational centre for managing major chemical industrial accidents. Journal of Hazardous Materials, Vol. 89, Issues 2-3, pp. 141-161. (IF: 14.424, **Journal in Top 20%**, ranked 11/325 in subject area “Environmental Science”).

Επιπλέον, αυτή την περίοδο μία εργασία του κ. Ανδρουτσόπουλου βρίσκεται σε διαδικασία κρίσης σε περιοδικό με υψηλό δείκτη επιρροής και αναφερόμενο στην ABS list (στην κατηγορία 3), ενώ άλλη μία εργασία βρίσκεται σε προχωρημένο στάδιο επεξεργασίας.

### **3.3 INDICATIVE PEER-REVIEWED ARTICLES IN PROCEEDINGS (WITH PAPER OR ABSTRACT REVIEW)**

Androutsopoulos, K.N. and E. Karouti (2021). A Load, Time and Population dependent risk metric for the fuel distribution problem in urban areas. Book of Abstracts of the 31st European Conference On Operational Research (Hybrid), 11-14 July, Athens, Greece.

Androutsopoulos, K.N. and D. Boukosis (2019). A Hybrid Algorithm for the Fuel Delivery Problem with Unloading Considerations. Book of Abstracts of the 30th European Conference On Operational Research, 23rd - 26th June, Dublin Ireland.

Androutsopoulos, K.N. and N. K., Kamaras (2018) “Modeling and Solving a Real-Life Fuel Delivery Problem with Safety Considerations”, Book of Abstracts of ODYSSEUS 2018 Seventh International Workshop on Freight Transportation and Logistics, held in Cagliari, Sardinia. June 3 –8, 2018

Androutsopoulos, K.N. and K.G. Zografos (2014), “Modeling and Solving International Journey Planning Problems”, Transport Research Arena (TRA) 2014 Conference, 14-17 April 2014, Paris, France (accepted for presentation and publication in the conference proceedings).

Zografos, K.G., K.N. Androutsopoulos and E.A. Apospori (2012). User Acceptance and Willingness to Pay for the Use of Multimodal Trip Planning Systems. Accepted for presentation and publication in the Proceedings of the Transport Research Arena (TRA) 2012 Conference, 23-26 April 2012, Athens, Greece.

Androutsopoulos, K.N, Zografos K.G. (2011). Routing and Scheduling For Less-Than-Truckload Hazardous Materials Distribution. Proceedings of the 7th International Conference on City Logistics, Mallorca Island, Spain.

Zografos K.G., Androutsopoulos, K.N, Nelson J.D. (2010). Identifying Travelers’ Information Needs and Services for an Integrated International Real Time Journey Planning System. Proceedings of the 13th International IEEE Conference on Intelligent Transportation Systems, Madeira Island, Portugal.

Androutsopoulos K.N., Zografos, K.G. (2008). Bi-criterion Routing and Scheduling in Time-Varying Networks for Hazardous Materials Distribution. Proceedings of the 10<sup>th</sup> International Conference on the Application of Advanced Technologies in Transportation, Athens.

Zografos K.G., Spitadakis, V., Androutsopoulos, K.N. (2008). Assessing an on-line passenger information system for multimodal trip planning. Proceedings of the 10<sup>th</sup> International Conference on the Application of Advanced Technologies in Transportation, Athens.

Zografos, K.G., Spitadakis, V., Androutsopoulos, K.N. (2008). An Integrated Passenger Information System for Multimodal Trip Planning, Proceedings of the 87<sup>th</sup> Transportation Research Board Annual Meeting, Washington D.C., U.S.A (CD-ROM).

Androutsopoulos, K.N., Zografos, K.G. (2007). Solving the multi-criteria time dependent routing and scheduling problem with time windows in multimodal transportation networks. Proceedings of the 86<sup>th</sup> Annual Meeting of the Transportation Research Board, Washington D.C., U.S. (CD-ROM)

### **3.4 CHAPTERS IN BOOKS**

Zografos, K.G., Androutsopoulos, K.N. (2010). Decision Support For Trip Planning. In: "Infomobility and Sustainable Management of Transport Systems" Italian National Energy Authority's series on Sustainable Transport, edited by G. Ambrosino, and J.D. Nelson.

### **3.5 INDICATIVE FUNDED RESEARCH PROJECTS**

#### **Principal Investigator**

(2011-2014) "Enhanced Wide Scale Network of E-systems for Multimodal Journey Planning and Delivery of Trip Intelligent Personalised Data" (Enhanced WISETRIP), European Commission, Directorate General for Research and Innovation (DG RESEARCH).

(2013-2014) "Connect & Construct: Building value through IT (C&C)", funded by Cap Gemini Nederland B.V.

(2013-2015) "Next Generation Fleet Management System", Program SYNERGASIA 2011, General Secretariat for Research and Technology.

(2017-19) Fuel Distribution System, funded by EMPHASIS Telematics SA.

#### **Research associate**

(2011-2013) "Assessing the Educational Gaps in Aeronautics and Air Transport" (EDUCAIR), European Commission, Directorate General for Research and Innovation (DG RESEARCH).

(2008-2011) “Benchmarking Logistics and Co-modality (BE LOGIC)”, European Commission, Directorate General Energy and Transport (DG TREN).

(2008-2010) “Wide Scale network of E-systems for multimodal journey planning and delivery of trip intelligent personalized data (WISETRIP)”, funded by the European Commission (DG INFOS).

(2004-2005) “Coordination of Concepts for New Collective Transport (CONNECT)”, funded by the European Commission (DG TREN).

(2003-2006) “Advanced Real Time Services in the Transport Sector” (ARTTS), funded by the Greek Ministry of Development- General Secretariat of Research and Technology.

(2003-2006) “An Integrated Decision Support System for providing Real Time Transit Information in a Multimodal Transportation System” (ENOSIS), by the Greek Ministry of Development- General Secretariat of Research and Technology.

(2003-2006) “A Software Platform for Supporting eB2B Services” (HERMES), funded by the Greek Ministry of Development- General Secretariat of Research and Technology.

(2002-2006) “Safety in Tunnels Thematic Network on development of European guidelines for upgrading tunnel safety (SAFE-T)”, funded by the European Commission (DG TREN).

(2001-2003) "Safety Improvement in Road & rail Tunnels using Advanced ICT and Knowledge Intensive DSS (SIRTAKI)", χρηματοδοτήθηκε από την Ευρωπαϊκή Ένωση, Γενική Διεύθυνση INFOS.

(1998-2001) “Development of an Integrated Decision Support System for the Management of Hazardous Materials” (HAZMAT) funded by the Greek Ministry of Development - General Secretariat for Research and Technology.

(1997-1999) “Development of a System for Managing Large Scale Industrial Accidents”, funded by the Greek Ministry of Environment Public Works and Physical Planning.

(1996-1999) “Incident Response with on line innovative sensing (IN-RESPONSE)”, funded by the European Commission (DG XIII).

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## **4. ACADEMIC EXPERIENCE**

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### **4.1 REVIEWER**

He is a reviewer for the following Journals:

1. European Journal of Operational Research
2. Computers and Operations Research
3. Transportation Research Part C: Emerging Technologies
4. Transportation Research Part E
5. Transportation Research Part D
6. International Journal of Sustainable Transportation
7. Journal of Air Transport Management

8. Journal of Scheduling
9. Optimization
10. IEEE Systems Journal
11. Operational Research: An International Journal
12. International Journal of Production Research
13. IISE Transactions
14. Multi-criteria Decision Analysis
15. Simulation Modelling Practice and Theory
16. Pervasive and Mobile Computing

## **4.2 SCIENTIFIC CITATIONS**

The source used for tracing the citations of the author was:

ISI Web of Knowledge: 773 citations (h-index: 13) (28/06/2023)

Google Scholar: 1648 citations (h-index: 18) (28/06/2023)