CURRICULUM VITAE

CHRISTINA DIAKAKI

CONTENTS

1. Personal Details

Full name:	Christina Diakaki
Date of birth:	September 23, 1968
Birthplace:	Chania, Crete, Greece
Family status:	Married, mother of two underage children
Address:	Ledaridon 34, 73134 Chania, Crete, Greece
Home telephone:	+30 28210 55931
Business status:	Production and Management Engineer, Free Associate, Member of Technical Chamber of Greece (Registration number 65496 / September 1993) Adjunct Tutor, Hellenic Open University Senior Research Associate, Dynamic Systems and Simulation Laboratory, School of Production Engineering and Management, Technical University of Crete, Greece
Office telephone:	+30 28210 3 7429
E-mails:	diac@dssl.tuc.gr / cdiakaki@isc.tuc.gr / cdiakaki@gmail.com
Skype name:	christina.diakaki1

2. Education

2.1 Degrees

2000 Ph.D.:	Graduate program in Decision Systems and Operations Research, Department of Production Engineering and Management, Technical University of Crete, Greece - Title of Ph.D. Thesis "Integrated Control of Traffic Flow in Corridor Networks" (in English)
1993 M.Sc.:	Operations Management, School of Management, Institute of Science and Technology (UMIST), Victoria University of Manchester, UK - Title of M.Sc. Thesis "Decision Analysis and Artificial Intelligence: A Path for the Cooperation of Traditional and New Technology-Based Techniques"
1991 Diploma:	Production Engineering and Management, Technical University of Crete, Greece (grade '8.04' out of '10') - Title of Diploma Thesis "Model for the Requirements' Analysis in the Environment of a Health Centre Using the SADT Methodology"
1986 Certificate:	1st General Lyceum of Chania, Crete, Greece

2.2 Further training – Seminars

Seminar on Multiple Criteria Decision Aid, Hellenic Operational Research Society (HELLORS) and Technical University of Crete, Greece, October 1, 2008, Chania, Greece.

2.3 Foreign languages

English (First Certificate in English, University of Cambridge)

3. Academic – Teaching Experience

3.1 Academic teaching

Acad. Year 2013-14:   Adjunct Tutor of the Business Administration Course of the School of Social Sciences of Hellenic Open University, for the course module:
- Quantitative Methods (Introduction to Computers, Mathematics and Statistics for Business and Economics, and Operational Research)

Acad. Year 1999-13:   Adjunct Professor of the School of Production Engineering and Management of Technical University of Crete, Greece, for the courses:
- Probabilities for Engineers (2011-13)
- Engineering Economics and Feasibility Studies (2005-06)
- Decision Analysis (1999-00)
- Exercises and Laboratory of Dynamic Programming (1999-00)

Acad. Year 2004-11:   Adjunct Professor of the Department of Natural Resources and Environment of the Technological Educational Institute of Crete, Greece, for the courses:
- Laboratory of Quality Control of Energy and Environmental Systems (2004-11)
- Theory of Quality Control of Energy and Environmental Systems (2006-11)
- Energy Economics (2006-07)

Acad. Year 2004-12:   Adjunct Professor of the Department of Electronics of the Technological Educational Institute of Crete, Greece, for the courses:
- Ethics and Quality Control (2004-11)
- Principles of Management (2004-12)

Acad. Year 2004-05:   Adjunct Professor of the School of Environmental Engineering of Technical University of Crete, Greece, for the course:
- Analysis of Urban Transportation Systems

Acad. Year 1993-99:   Assistant, as member of the Dynamic Systems and Simulation Laboratory, of the School of Production Engineering and Management, Technical University of Crete, Greece, of the undergraduate course:
- Dynamic Programming (1993-94, 1995-96)
and the postgraduate course:
- Advanced Transport Telematics (1998-99)

3.2 Supervision of student theses

1. Theofanoudi, A. (2006). *Risk study of Industrial Areas and Environmental Management Systems*. Department of Natural Resources and Environment, Technological Educational Institute of Crete, Greece.
2. Papadakis, Ch. (2010). *The Market of Photovoltaic Systems: International Trends and Greek Perspectives*, Department of Electronics, Technological Educational Institute of Crete, Greece.

3.3 Other teaching activities

− Invited lecture on the subject "Development and evaluation of traffic control strategies using the METANET modelling tool" in the course Modelstudies en verkeersbeheersingsmaatregelen, Delft University of Technology, The Netherlands, September 24-26, 1997.

- Teaching of the course "Engineering Economics and Feasibility Studies " to the European ERASMUS Programme students, Department of Production Engineering and Management, Technical University of Crete, Greece, Academic Year 2005-06.
- Teaching of the course "Principles of Management" to the European ERASMUS Programme students, Department of Electronics, Technological Educational Institute of Crete, Greece, Academic Years 2007-08, 2009-10.
- Teaching of the course "Quality Control of Energy and Environmental Systems" to the European ERASMUS Programme students, Department of Natural Resources and Environment, Technological Educational Institute of Crete, Greece, Academic Year 2008-09.
- Teaching of the course "Quality Control" to the European ERASMUS Programme students, Department of Electronics, Technological Educational Institute of Crete, Greece, Academic Year 2009-10.

4. Research Work

4.1 Research interests

- Decision analysis and operations research
- Optimisation
- Simulation
- Applications in the fields of Transport, Energy and Environment

4.2 Participation in scientific groups

1. Member of the Technical Chamber of Greece (since 1993)
2. Member of the Panhellenic Association of Mechanical-Electrical Engineers (since 1993)
3. Member of the UMIST Union (since 1994)
4. Member of the EURO Working Group on Transportation (since 1994)
5. Member of the Institute of Production Management of the Hellenic Association of Business Administration (since 1996)
6. Member of the Hellenic Operational Research Society (HELORS) (since 2000)

4.3 Research projects

Mar. 1991-May 1991: "Market Research for Products of the Cretan Industry", R&D Programme for the Cretan Mills SA, Greece

Mar. 1994-Feb. 1995: "European Urban Corridor Control (EUROCOR - V2017)", R&D Programme Advanced Transport Telematics, EC (DG XIII) (*research and management activities*)

Mar. 1994-Mar. 1995: "QUO VADIS (V2042)", R&D Programme Advanced Transport Telematics, EC (DG XIII) (*management activities*)

Jan. 1996-Dec. 1998: "COMFORTABLE: Vessel Traffic Services (VTS) Management", EC (DG VII), Directorate General for Transport (*management activities*)

Jan. 1996-Feb. 1999: "Development and Application of Coordinated Control of Corridors (DACCORD - TR1017)", R&D Programme Telematics Applications in Transport, EC (DG XIII) (*research and management activities*)

Mar. 1996-May 1998: "Telematics Applications in Bavaria, Scotland, and Others (TABASCO - TR1054)", R&D Programme Telematics Applications in Transport, EC (DG XIII) (*research and management activities*)

Feb. 1999-Oct. 2001:	"Real - Time Urban Traffic Control: Development and Implementation in the City of Chania (CHANIASYN)", National R&T Programme, Greek Ministry for Research and Technology (*research and management activities*)
Jul. 1999-Jun. 2000:	"Sales Forecasting and Integrated Logistics Operations (DELPHI)", Esprit Programme, EC (DG III) (*management activities*)
Mar. 2000-Aug. 2000:	"Open Model for Network-Wide Heterogeneous Intersection-based Transport Management (OMNI - IST-1999-11250)", Information Society Technologies Programme, EC (DG XIII) (*research and management activities*)
Apr. 2001-Sep. 2001:	"Open Model for Network-Wide Heterogeneous Intersection-based Transport Management (OMNI - IST-1999-11250)", Information Society Technologies Programme, EC (DG XIII) (*research and management activities*)
Jun. 2001-Nov. 2003:	"Signal Management in Real Time for Urban Traffic Networks (SMART NETS - IST-2000-28090 - IST-2000-28090D)", Information Society Technologies Programme, EC (DG XIII) (*research and management activities*)
May 2004-Dec. 2004:	"Development of Quality Tools for the Information Network SYNERGY", Leonardo da Vinci Programme, EC (*research activities*)
May 2008-May 2010:	"Decision Support System for the Improvement of Energy Efficiency in Buildings", Research Project, Special Account for Research, Technical University of Crete, Greece (*research activities*)
Oct. 2008-Oct. 2010:	"Promotion of Cool Roofs in the EU (COOL ROOFS - EIE/07/475/SI2. 499428)", Intelligent Energy Europe Programme, EC (*research activities*)
Dec. 2011-Jan. 2014:	"An Integrated System for Monitoring Ship's Emissions and Operating Parameters with Application to Optimal Management of the Ship Energy Demands During Operation (E-GREENSHIP – 09SYN-51-871)", National R&T Programme, Greek Ministry for Research and Technology (*research and management activities*)
Jul. 2012-Jun. 2015:	"Providing Priority in Real Time to Public Transport Means (PTPrealtime - OPS 383583)", National R&T Programme Greek Ministry of Education and Religious Affairs (*research activities*)
Mar. 2013-:	"Traffic Management for the 21st Century" (TRAMAN21), Advanced Investigator Grant, EC (*research activities*)
Oct. 2013-:	"System-of-Systems that act locally for optimising globally" (Local4Global), FP7, Information and Communication Technologies Programme, EC (*research and management activities*)

4.4 Presentations in scientific conferences

1. Diakaki, C., Papageorgiou, M., and McLean, T. Investigations of integrated corridor control for the M8 eastbound corridor in Glasgow. *3rd Meeting of the EURO Working Group on Transportation*, Barcelona, Spain, September 27-29, 1995.
2. Kotsialos, A., Pavlis, Y., Middelham, F., Papageorgiou, M., and Diakaki, C. METANET application and validation for the large scale motorway network around Amsterdam. *4th World Congress on Intelligent Transport Systems*, Berlin, Germany, October 21-24, 1997.

3. McLean, T., Brader, C., Diakaki, C., and Papageorgiou, M. Urban integrated traffic control in Glasgow, Scotland. *IEE 9th International Conference on Road Transport Information & Control*, Savoy Place, London, United Kingdom, April 21-23, 1998.

4. Diakaki, C., Papageorgiou, M., and McLean, T. Applying integrated corridor control in Glasgow. *ASCE 5th International Conference on Applications of Advanced Technologies in Transportation Engineering*, Newport Beach, California, U.S.A., April 26-29, 1998.

5. Kotsialos, A., Pavlis, Y., Diakaki, C., Vardaka, G., and Papageorgiou, M. Modelling of the large scale motorway network around Amsterdam. *8th IFAC/IFORS/IMACS/IFIP Symposium on Large Scale Systems: Theory and Applications*, Patra, Greece, July 12-17, 1998.

6. Diakaki, C., and Papageorgiou, M. Integrated road traffic control systems: A new approach (in Greek). *12th National HELORS (Hellenic Operational Research Society) Conference*, Samos, Greece, September 6-8, 1998.

7. Diakaki, C., Papageorgiou, M., and McLean, T. Application and evaluation of the integrated traffic-responsive urban corridor control strategy IN-TUC in Glasgow. *78th Annual Meeting of the Transportation Research Board*, Washington, D.C., U.S.A., January 10-14, 1999.

8. Diakaki, C., Papageorgiou, M., and Aboudolas, K. Traffic-responsive urban network control using multivariable regulators. *International Conference on Modeling and Management in Transportation*, Poznan/Cracow, Poland, October 12-16, 1999.

9. Diakaki, C., Papageorgiou, M., and Aboudolas, K. A multivariable regulator approach to the traffic-responsive network-wide signal control problem. *9th IFAC Symposium on Control in Transportation Systems*, Braunschweig, Germany, June 13-15, 2000.

10. Dinopoulou, V., Diakaki, C., and Papageorgiou, M. Simulation investigations of the traffic-responsive urban control strategy TUC. *3rd Annual IEEE Conference on Intelligent Transportation Systems*, Dearborn, MI, U.S.A., October 1-3, 2000.

11. Bielefeldt, C., Diakaki, C., and Papageorgiou, M. TUC and the SMART NETS project. *4th Annual IEEE Conference on Intelligent Transportation Systems*, Oakland, California, U.S.A., August 25-29, 2001.

12. Diakaki, C., Dinopoulou, V., and Papageorgiou, M. Co-ordinated, traffic-responsive urban control strategy TUC: Methodology and applications. *1st SES/IMET International Symposium on Transportation Research*, Athens, Greece, February 21-22, 2002.

13. Dinopoulou, V., Diakaki, C., and Papageorgiou, M. Applications of the urban traffic control strategy TUC. *13th Mini-EURO Conference on Handling Uncertainty in the Analysis of Traffic and Transportation Systems and 9th Meeting of the EURO Working Group on Transportation*, Bari, Italy, June 10-13, 2002.

14. Diakaki, C., Dinopoulou, V., Aboudolas, K., Papageorgiou, M., Ben-Shabat, E., Seider, E., and Leibov, A. Extensions and new applications of the traffic signal control strategy TUC. *82nd Annual Meeting of the Transportation Research Board*, Washington, D.C., U.S.A., January 12-16, 2003.

15. Smaragdis, M., Dinopoulou, V., Aboudolas, K., Diakaki, C., and Papageorgiou, M. Application of the extended traffic signal control strategy TUC to the Southampton urban road network. *10th IFAC Symposium on Control in Transportation Systems*, Tokyo, Japan, August 4-6, 2003.

16. Theofanoudi, A., Diakaki, C. και Katsivela, E. Investigation and suggestions for the improvement of the environmental and socioeconomic performance of industrial regions (in Greek). *2nd Panhellenic Conference of Mechanical-Electrical Engineers*, Athens, Greece, May 16-18, 2007.

17. Theofanoudi, A., Diakaki, C., and Katsivela, E. A comprehensive study of environmental and socio-economic problems related to industrial regions: a case study of the industrial area of Alexandroupolis (Greece). *SECOTOX Conference and 1st International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE)*, Skiathos, Greece, June 24-28, 2007.

18. Diakaki, C., Kolokotsa, D., and Grigoroudis, E. The improvement of energy efficiency in buildings as a multiobjective mathematical programming problem (in Greek). *7th Special Conference of HELORS (Hellenic Operational Research Society), 5th Meeting of Multicriteria Decision Analysis*, Chania, Greece, September 27-28, 2007.

19. Kabelis, N., Grigoroudis, E., Diakaki, C., Kolokotsa, D., Kalaitzakis, K., and Stavrakakis, G. A multi-objective decision support system for the improvement of energy efficiency in buildings (in Greek). *21st National Conference of HELLORS (Hellenic Operational Research Society)*, Athens, May 28-30, 2009.

20. Kabelis, N. Grigoroudis, E., Diakaki, C., Kolokotsa, D., Kalaitzakis, K., and Stavrakakis, G. A multi-objective decision support system for the improvement of energy efficiency in buildings. *Clima 2010 - 10th REHVA World Congress*, Antalya, Turkey, May 9-12, 2010.

21. Kabelis, N. Grigoroudis, E., Diakaki, C., Kolokotsa, D., Kalaitzakis, K., and Stavrakakis, G. A multi-objective decision support system for the improvement of energy efficiency in buildings. *9th Special HELLORS (Hellenic Operational Research Society) Conference*, Agios Nikolaos, Greece, May 27-29, 2010.

22. Kolokotsa, D., Diakaki, C., Vlissidis, A., and Papantoniou, S. On the application of the cool roofs technology in a laboratory building at Iraklion, Crete, Greece. *3rd PALENC (Passive & Low Energy Cooling for the Built Environment) International Conference jointly organized with the 5th European Conference on Energy Performance &Indoor Climate in Buildings (EPIC 2010) and the 1st COOL ROOFS Conference*, Rhodes Island, Greece, September 29 - October 1, 2010.

23. Dinopoulou, V., Diakaki, C., Papamichail, I., and Papageorgiou, M. Public transport priority strategies: Progress and prospects. *2nd International Symposium & 24th National Conference on Operational Research*, Athens, Greece, September 26-28, 2013.

4.5 Other presentations

1. The macroscopic traffic flow modelling tools METANET and METACOR (in Greek). *Research Workshop of the Dynamic Systems and Simulation Laboratory of the Technical University of Crete*, Chania, Greece, April 10, 1997.

2. Development and testing of multivariable on-ramp control for the A10 motorway in Amsterdam, The Netherlands (in Greek). *Research Workshop of the Dynamic Systems and Simulation Laboratory of the Technical University of Crete*, Chania, Greece, April 10, 1997.

3. Development and testing of integrated road traffic flow control in Glasgow, Scotland (in Greek). *Research Workshop of the Dynamic Systems and Simulation Laboratory of the Technical University of Crete*, Chania, Greece, April 10, 1997.

4. Application of integrated traffic-responsive urban corridor control to the M8 corridor network in Glasgow (invited talk). *Center for Advanced Transportation Technology*, University of Southern California, Department of Electrical Engineering/Systems, USA, May 1, 1998.

5. TUC, a new control strategy: Methodology and implementation results from the urban network of Glasgow (in Greek). *Workshop of National Technical University of Athens, Technical University of Crete, and Municipality of Chania on "Modern Traffic Control Methods"*, Athens, Greece, January 19, 2000.

6. The integrated corridor control strategy IN-TUC: Methodology and application to the corridor network of Glasgow (in Greek). *Research Workshop of the Dynamic Systems and Simulation Laboratory of the Technical University of Crete*, Chania, Greece, April 19-20, 2000.

7. The TUC Strategy: Extensions. *1st User Board Meeting of the SMART NETS Project, Southampton City Council*, Southampton, U.K., 12 Νοεμβρίου 2001.

8. SYNERGY Network: Functional Specifications of the SYNERGY Info Points (invited talk; in Greek). *Meeting of Representatives of Local Authorities of the Prefecture of Rethymno*, PDM Hellas A.E., Rethymno, Greece, December 16, 2004.

9. SYNERGY Network: Service Quality Assessment and Assurance System (invited talk; in Greek). *Meeting of Representatives of Local Authorities of the Prefecture of Rethymno*, PDM Hellas A.E., Rethymno, Greece, December 16, 2004.

10. Improvement of energy efficiency in buildings: A multi-objective decision problem (invited talk; in Greek). *Research Lectures of Postgraduate Programme*, Department of Environmental Engineering, Technical University of Crete, Greece, October 30, 2012.

11. Vehicle Automation and Communication Systems: Past, Present and Future Perspectives. *TRAMAN21 Workshop 2013*, Chania, Greece, November 1, 2013.

4.6 Attendance at scientific conferences

1. *8th IFAC/IFIP/IFORS Symposium on Transportation Systems*, Chania, Crete, Greece, June 16-18, 1997.
2. *2nd TABASCO (Telematics Applications in Bavaria, Scotland, and Others) Open Conference*, Glasgow, Scotland, UK, February 23-24, 1998.
3. *18th International Conference on Multiple Criteria Decision Making*, Chania, Crete, Greece, June 19-23, 2006.

4.7 Editorial and reviewing activities

Member of the editorial board of the scientific journal:

−   Institution of Engineering and Technology (IET) Intelligent Transport Systems (ITS) (since 2010)
Reviewer for the scientific journals:

1. Institution of Engineering and Technology (IET) Intelligent Transport Systems (ITS)
2. IEEE (Institute of Electrical and Electronics Engineers) Transactions on Intelligent Transportation Systems (ITS)
3. IEEE (Institute of Electrical and Electronics Engineers) Transactions on Control Systems Technology (CST)
4. Transportation Research Part C: Emerging Technologies
5. Transportation Research Part B: Methodological
6. EJTIR (European Journal of Transport and Infrastructure Research)
7. Journal of Transportation Engineering
8. European Transport / Transporti Europei
9. PROMET - Traffic & Transportation
10. Energy. The International Journal
11. Energy and Buildings
12. Applied Energy
13. Journal of Systems and Control Engineering
14. European Journal of Control
15. Automatica
16. Optimization and Engineering (OPTE)
17. European Journal of Operational Research (EJOR)
18. Operational Research. An International Journal
19. Computers and Mathematics with Applications (CAMWA)
20. Zentralblatt für Mathematik

Reviewer for the scientific conferences:

1. IFAC (International Federation of Automatic Control) World Congresses
2. ECC (European Control Conferences)
3. International Conference on Technology and Automation (ICTA)
4. IEEE (Institute of Electrical and Electronics Engineers) ACC (American Control Conference)
5. IEEE (Institute of Electrical and Electronics Engineers) International Conferences on ITS (Intelligent Transportation Systems)
6. WCTR (World Conferences on Transport Research)
7. ISATA (International Symposia on Automotive Technology and Automation)
8. National HELLORS (Hellenic Operational Research Society) Conference

5. Professional Experience

May 1994-:	Production and Management Engineer, Free Associate
Mar. 2013-:	Senior Research Associate at Dynamic Systems and Simulation Laboratory, Technical University of Crete, Chania, Greece, in the execution of EC projects (TRAMAN21 & Local4Global)
Jul. 2012-Jun. 2015:	Senior Research Associate at Industrial Design Engineering Department, Technological Educational Institute of Kozani, Greece, in the execution of a national research project (PTPrealtime)
Dec. 2011-January 2014:	Senior Research Associate at Telecommunication Systems Institute, Technical University of Crete, Greece, in the execution of a national research project (E-GREENSHIP)
Oct. 2006-Oct. 2010:	Research Associate at Laboratory of Renewable Energy Resources, Technological Educational Institute of Crete, Greece, in the preparation and submission of research project proposals, and the execution of research projects
May 2005-Dec. 2005:	Technical Consultant at UNITECH Hellas Ltd., Consultancy Company, Chania, Greece, in the preparation of a study for the development of a Technology Park in the Region of Sterea Ellada, Greece
May 2004-Dec. 2004:	Technical Consultant at PDM Hellas Ltd., Project Development and Management Company, Rethymno, Greece, in the development of quality tools for information networks
Mar. 1994-Nov. 2003:	Research Associate at Dynamic Systems and Simulation Laboratory, Technical University of Crete, Chania, Greece, in the preparation of research project proposals, the execution and management of research projects and the guidance of under- and post-graduate students during their participation in these projects
Dec. 2002-Dec. 2003:	Technical Consultant at DHV Environment and Infrastructure BV, Amersfoort, Netherlands, in the study and design of a road traffic control system with public transport priority for Tel Aviv, Israel
Dec. 2002-May 2003:	Technical Consultant at Dr. Elia Ben-Shabat Traffic Ingeneering and Control, Haifa, Israel, in the study and design of a road traffic control system with public transport priority for Jerusalem, Israel
Mar. 2001-Apr. 2001:	Technical Consultant at IBI Group, London, UK, in the study for the development of a road traffic control system for the region of Attica, Greece
Aug. 1993-Sep. 1993:	Administrative Officer at DORNIER- METEOR Cooperation, Chania, Greece
Mar. 1991-May 1991:	Student Associate at Decision Support Systems Laboratory (EPGASYA), Technical University of Crete, Chania, Greece, in a market research for products of the Cretan Industry, Greece

6. Distinctions

6.1 Scholarships

1. Scholarship from the State Scholarships Foundation of Greece for ranking first in the Department of Production Engineering and Management, Technical University of Crete, Greece, September 1986.
2. Scholarship in memory of Michael Seiradaki for ranking first in the Department of Production Engineering and Management, Technical University of Crete, Greece, September 1986.
3. Special Postgraduate scholar, Department of Production Engineering and Management, Technical University of Crete, Greece, September 1995 - March 1999.

6.2 Other distinctions

1. Mentioned in Who's Who in Science and Engineering, Marquis Who's Who
2. Mentioned in Who's Who of Emerging Leaders-2007, Marquis Who's Who
3. Mentioned in Marquis Who's Who in the World-2009, Marquis Who's Who
4. Mentioned in Contemporary Who's Who, American Biographical Institute (ABI)
5. Mentioned in Great Minds of the 21st Century, American Biographical Institute (ABI)

7. Other Activities

− *Moderator of a session* entitled "Decision Support for Real-Time Control Systems III" during the 5th ASCE International Conference on Applications of Advanced Technologies in Transportation Engineering, Newport Beach, Los Angeles, California, USA, April 26-29, 1998.
− *Guest co-editor of a special issue* on "Road Traffic Modelling and Control" for the Journal of Systems and Control Engineering, Vol. 215, No. 14, 2001.
− *External reviewer of the* Netherlands Organization for the Scientific Research (NOW) in the frame of Veni grant of the Innovational Research Incentives Scheme, 2012.

8. Publications

8.1 Theses

[Th1]. Diakaki, C. (1991). Model for the Requirements' Analysis in the Environment of a Health Centre Using the SADT Methodology (in Greek). *Diploma Thesis*, Technical University of Crete, Department of Production, Engineering and Management, Chania, Greece.
[Th2]. Diakaki, C. (1992). Decision Analysis and Artificial Intelligence: a Path for the Cooperation of Traditional and New Technology-Based Techniques. *M.Sc. Thesis*, School of Management, Institute of Science and Technology (UMIST), Victoria University of Manchester, UK.
[Th3]. Diakaki, C. (1999). Integrated Control of Traffic Flow in Corridor Networks (in English). *Ph.D. Thesis*, Technical University of Crete, Department of Production, Engineering and Management, Chania, Greece.

8.2 Book chapters

[B1]. Wang, Y., Diakaki, C., Kotsialos, A., and Papageorgiou, M. (2007). Towards integrated network traffic control (in French). In Mammar, S. (ed.), *Modélisation, Information et Contrôle dans les Systèmes de Transports Intelligents*, Hermès Science Publications, Lavoisier, pp. 281-313.

[B2]. Diakaki, C., and Grigoroudis, E. (2007). Life Cycle Assessment (LCA): A tool for the rational management of the natural resources (in Greek). In Arabatzis, G. and Polyzos, S. (eds), *Natural Resources, Environment and Development*, Tziolas Publications, pp. 253-290.

[B3]. Diakaki, C., and Kolokotsa, D. (2009). Life Cycle Assessment of buildings. In Mumovic, D., and Santamouris, M. (eds), *A Handbook of Sustainable Building Design & Engineering. An Integrated Approach to Energy, Health and Operational Performance*, Earthscan, London, Sterling, pp. 99-113.

[B4]. Diakaki, C., and Grigoroudis, E. (2013). Applying genetic algorithms to optimise energy efficiency in buildings. In Doumpos, M., and Grigoroudis, E. (eds), *Multicriteria Decision Aid and Artificial Intelligence: Links, Theory and Applications*, John Wiley & Sons, Ltd, pp. 309-333.

8.3 Papers in reviewed scientific journals

[J1]. Diakaki, C., Papageorgiou, M., and McLean, T. (1997). Simulation studies of integrated corridor control in Glasgow. *Transportation Research C*, Vol. 5, No. 3/4, pp. 211-224.

[J2]. Diakaki, C., Papageorgiou, M., and Aboudolas, K. (2000). Traffic-responsive urban network control using multivariable regulators, *Archives of Transport*, Vol.12, Issue 4, pp.17-32.

[J3]. Diakaki, C., Papageorgiou, M., and McLean, T. (2000). Application and evaluation of the integrated traffic-responsive urban corridor control strategy IN-TUC in Glasgow. *Transportation Research Record*, No.1727, pp.101-111.

[J4]. Diakaki, C., Papageorgiou, M., and Aboudolas, K. (2002). A multivariable regulator approach to traffic-responsive network-wide signal control. *Journal of Control Engineering Practice*, Vol. 10, pp. 183-195.

[J5]. Kotsialos, A., Papageorgiou, M., Diakaki, C., Pavlis, Y., and Middelham, F. (2002). Traffic flow modelling of large-scale motorway networks using the macroscopic modelling tool METANET. *IEEE Transactions on Intelligent Transportation Systems*, Vol. 3, No 4, pp.282-292.

[J6]. Papageorgiou, M., Diakaki, C., Dinopoulou, V., Kotsialos, A. Wang, Y. (2003). Review of road traffic control strategies. *Proceedings of the IEEE*, Vol. 91, No 12, pp. 2043-2067.

[J7]. Diakaki, C., Dinopoulou, V., Aboudolas, K., Papageorgiou, M., Ben-Shabat, E., Seider, E., and Leibov, A. (2003). Extensions and new applications of the traffic signal control strategy TUC. *Transportation Research Record*, No.1856, pp. 202-211.

[J8]. Dinopoulou, V., Diakaki, C., and Papageorgiou, M. (2005). Application and evaluation of the signal traffic control strategy TUC in Chania, *Journal of Intelligent Transportation Systems*, Vol. 9, No 3, pp.133-143.

[J9]. Diakaki, C., Grigoroudis, E., and Stabouli, M. (2006). A risk assessment approach in selecting environmental performance indicators. *Management of Environmental Quality: An International Journal*, Vol. 17, No 2, pp. 126-139.

[J10]. Dinopoulou, V. Diakaki, C., and Papageorgiou, M. (2006). Applications of the urban traffic control strategy TUC. *European Journal of Operational Research*, Vol. 175, Issue 3, pp. 1652-1665.

[J11]. Diakaki, C., Grigoroudis, E., and Kolokotsa, D. (2008). Towards a multi-objective optimization approach for improving energy efficiency in buildings. *Energy and Buildings*, Vol. 40, pp. 1747-1754.

[J12]. Theofanoudi, A., Diakaki, C., and Katsivela, E. (2009). Environmental and socio-economic aspects of the operation of industrial regions: The case study of the industrial area of Alexandroupolis (Greece). *Water Air Soil Pollut: Focus*, Vol. 9, pp. 79-88.

[J13]. Kolokotsa, D., Diakaki, C., Grigoroudis, E., Stavrakakis, G., and Kalaitzakis, K. (2009). Decision support methodologies on the energy efficiency and energy management in buildings. *Advances in Building Energy Research*, Vol. 3, pp. 121-146.

[J14]. Diakaki, C., Grigoroudis, E., Kabelis, N., Kolokotsa, D, Kalaitzakis, K., and Stavrakakis, G. (2010). A multi-objective decision model for the improvement of energy efficiency in buildings. *Energy: The International Journal*, Vol. 35, pp. 5483-5496.

[J15]. Kolokotsa, D., Diakaki, C., Papantoniou, S., and Vlissidis, A. (2012). Numerical and experimental analysis of cool roofs application on a laboratory building in Iraklion, Crete, Greece. *Energy and Buildings*, Vol. 55, pp. 85-93.

[J16]. Grigoroudis, E., Psaroudaki, A., and Diakaki, C. (2013). Towards a food-serving services quality management system for compliance with the Mediterranean dietary model. *Ecology of Food and Nutrition*, Vol. 52, No 4, pp. 267-293.

[J17]. Diakaki, C., Grigoroudis, E., and Kolokotsa, D. (2013). Performance study of a multi-objective mathematical programming modelling approach for energy decision-making in buildings. *Energy*, Vol. 59, pp. 534-542.

[J18]. Diakaki, C., Panagiotidou, N., Pouliezos, A., Kontes, G., Stavrakakis, G., Belibassakis, K., Gerostathis, T.P., Livanos, G., Pagonis, D.-N., and Theotokatos, G. (2014). A decision support system for the development of voyage and maintenance plans for ships. International *Journal of Decision Support Systems*, *to appear*.

8.4 Papers in reviewed scientific conference proceedings

[C1]. Diakaki, C., Papageorgiou, M., and McLean, T. (1995). Investigations of integrated corridor control for the M8 eastbound corridor in Glasgow. *3rd Meeting of the EURO Working Group on Transportation*, Barcelona, Spain, September 27-29, pp. 51-55.

[C2]. Kotsialos, A., Pavlis, Y., Middelham, F., Papageorgiou, M., and Diakaki, C. (1997). METANET application and validation for the large scale motorway network around Amsterdam. *Proceedings CD-ROM of the 4th World Congress on Intelligent Transport Systems*, Berlin, Germany, October 21-24.

[C3]. McLean, T., Brader, C., Diakaki, C., and Papageorgiou, M. (1998). Urban integrated traffic control in Glasgow, Scotland. *Proceedings of the IEE 9th International Conference on Road Transport Information & Control*, Savoy Place, London, United Kingdom, April 21-23, pp. 243-249.

[C4]. Diakaki, C., Papageorgiou, M., and McLean, T. (1998). Applying integrated corridor control in Glasgow. *Proceedings of the ASCE 5th International Conference on Applications of Advanced Technologies in Transportation Engineering*, Newport Beach, California, U.S.A., April 26-29, pp. 9-16.

[C5]. Kotsialos, A., Pavlis, Y., Diakaki, C., Vardaka, G., and Papageorgiou, M. (1998). Modelling of the large scale motorway network around Amsterdam. *Preprints of the 8th IFAC/IFORS/IMACS/IFIP Symposium on Large Scale Systems: Theory and Applications,* Patra, Greece, July 12-17, pp. 354-360.

[C6]. Diakaki, C., and Papageorgiou, M. (1998). Integrated road traffic control systems: A new approach (in Greek). *Proceedings of the 12th National HELORS (Hellenic Operational Research Society) Conference*, Samos, Greece, September 6-8, Vol. II, pp. 1149-1161.

[C7]. Diakaki, C., Papageorgiou, M., and McLean, T. (1999). Application and evaluation of the integrated traffic-responsive urban corridor control strategy IN-TUC in Glasgow. *Preprint CD-ROM of the 78th Annual Meeting of the Transportation Research Board*, Washington, D.C., U.S.A., January 10-14, paper no. 990310.

[C8]. Diakaki, C., Papageorgiou, M., and Aboudolas, K. (1999). Traffic-responsive urban network control using multivariable regulators. *Proceedings of the International Conference on Modeling and Management in Transportation*, Poznan/Cracow, Poland, October 12-16, Vol. 2, pp. 11-16.

[C9]. Diakaki, C., Papageorgiou, M., and Aboudolas, K. (2000). A multivariable regulator approach to the traffic-responsive network-wide signal control problem. *Proceedings of the 9th IFAC Symposium on Control in Transportation Systems*, Braunschweig, Germany, June 13-15, Vol. 2, pp. 589-594.

[C10]. Dinopoulou, V., Diakaki, C., and Papageorgiou, M. (2000). Simulation investigations of the traffic-responsive urban control strategy TUC. *Proceedings of the 3rd Annual IEEE Conference on Intelligent Transportation Systems*, Dearborn, MI, U.S.A., October 1-3, pp. 458-463.

[C11]. Bielefeldt, C., Diakaki, C., and Papageorgiou, M. (2001). TUC and the SMART NETS project. *Proceedings of the 4th Annual IEEE Conference on Intelligent Transportation Systems*, Oakland, California, U.S.A., August 25-29, pp. 55-60.

[C12]. Diakaki, C., Dinopoulou, V., and Papageorgiou, M. (2002). Co-ordinated, traffic-responsive urban control strategy TUC: Methodology and applications. *Proceedings of the 1st SES/IMET International Symposium on Transportation Research*, Athens, Greece, February 21-22, pp. 37-49.

[C13]. Dinopoulou, V., Diakaki, C., and Papageorgiou, M. (2002). Applications of the urban traffic control strategy TUC. *Proceedings of the 13th Mini-EURO Conference on Handling Uncertainty in the Analysis of Traffic and Transportation Systems and the 9th Meeting of the EURO Working Group on Transportation*, Bari, Italy, June 10-13, pp. 366-371.

[C14]. Diakaki, C., Dinopoulou, V., Aboudolas, K., Papageorgiou, M., Ben-Shabat, E., Seider, E., and Leibov, A. (2003). Extensions and new applications of the traffic signal control strategy TUC. *Preprint CD-ROM of the 82nd Annual Meeting of the Transportation Research Board*, Washington, D.C., U.S.A., January 12-16, paper no. 033040.

[C15]. Smaragdis, M., Dinopoulou, V., Aboudolas, K., Diakaki, C., and Papageorgiou, M. (2003). Application of the extended traffic signal control strategy TUC to the Southampton urban road network. *Proceedings of the 10th IFAC Symposium on Control in Transportation Systems*, Tokyo, Japan, August 4-6, pp. 23-28.

[C16]. Theofanoudi, A., Diakaki, C., and Katsivela, E. (2007). Investigation and suggestions for the environmental and socioeconomic performance of industrial regions (in Greek). *Proceedings CD of the 2nd Panhellenic Conference of the Society of Mechanical-Electrical Engineers*, Athens, May 16-18.

[C17]. Theofanoudi, A., Diakaki, C., and Katsivela, E. (2007). A comprehensive study of environmental and socio-economic problems related to industrial regions: a case study of the industrial area of Alexandroupolis (Greece). *Proceedings of the SECOTOX and the 1st International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE)*, Skiathos, Greece, June 24-28, pp. 423-428.

[C18]. Kabelis, N. Grigoroudis, E., Diakaki, C., Kolokotsa, D., Kalaitzakis, K., and Stavrakakis, G. (2010). A multi-objective decision support system for the improvement of energy efficiency in buildings. *CD Proceedings of Clima 2010 - 10th REHVA World Congress*, Antalya, Turkey, May 9-12.

[C19]. Kolokotsa, D., Diakaki, C., Vlissidis, A., and Papantoniou, S. (2010). On the application of the cool roofs technology in a laboratory building at Iraklion, Crete, Greece. *CD Proceedings of the 3rd PALENC (Passive & Low Energy Cooling for the Built Environment) International Conference jointly organized with the 5th European Conference on Energy Performance &Indoor Climate in Buildings (EPIC 2010) and the 1st COOL ROOFS Conference*, Rhodes Island, Greece, September 29 - October 1.

[C20]. Dinopoulou, V., Diakaki, C., Papamichail, I., and Papageorgiou, M. (2013). Public transport priority strategies: Progress and prospects. In Siskos, Y., Matsatsinis, N., and Psarras, J. (Eds) *Book of Proceedings of the 2nd International Symposium & 24th National Conference on Operational Research*, Athens, Greece, September 26-28, pp. 290-295.

8.5 Other publications

[O1]. Diakaki, C., and Papageorgiou, M. (1998). IN-TUC: A new integrated traffic-responsive urban corridor control strategy. *Intellimotion*, Vol. 7, No. 1, pp. 2-11.

[O2]. Kotsialos, A., Diakaki, C., Pavlis, Y., Papageorgiou, M., and Vardaka, G. (1998). Short-term traffic forecasting using the macroscopic simulation tool METANET. *Proceedings of the DACCORD Workshop on Short Term Traffic Forecasting*, Delft University of Technology, Delft, The Netherlands, February 13, pp. 11-30.

[O3]. Diakaki, C., Papageorgiou, M., and McLean, T. (1999). Integrated traffic-responsive urban control strategy IN-TUC: Application and evaluation in Glasgow. *Proceedings of the DACCORD*

Workshop on Advanced Motorway Traffic Control, Lancaster University, Lancaster, United Kingdom, December 11, pp. 46-55.

[O4]. Kotsialos, A., Papageorgiou, M., Diakaki, C., Pavlis, Y., and Middelham, F. (1999). Traffic flow modelling of large-scale motorway networks using the macroscopic modelling tool METANET. *Proceedings of the TRAIL Expert Seminar on Recent Advances in Traffic Flow Modelling and Control*, in Bovy, P.H.L., and Hoongendoorn, S.P. (eds), TRAIL Conference Proceedings Series no P99/2, Delft, The Netherlands, September 20, Chapter 6.

[O5]. Diakaki, C., and Papageorgiou, M. (1999). IN-TUC: A new strategy for the integrated, traffic-responsive control of corridor road networks (in Greek). *Power Transmission*, No 47, pp. 24-28, No 48, pp.46-53.

[O6]. Diakaki, C., and Papageorgiou, M. (2000). Store-and-forward modelling: A new approach for the development of strategies for the co-ordinated control of traffic flow in large-scale urban networks in real time (in Greek). *Newsletter of HELORS (Hellenic Operational Research Society)*, No. 3, pp. 9-12.

[O7]. Papageorgiou, M., and Diakaki, C. (2001). Editorial for the Special Issue on Road Traffic Modelling and Control. *Journal of Systems and Control Engineering*, Vol. 215, No. 14, pp. i-ii.

[O8]. Diakaki, C., and Papageorgiou, M. (2001). IN-TUC: A new strategy for the integrated, traffic-responsive control of corridor road networks (in Greek). *Logistics & Management*, No 12, pp. 52-60.

[O9]. Bielefeldt, C., Condie, H., Diakaki, C., Dinopoulou, V., and Papageorgiou, M. (2002). Be Smart: SMART NETS and TUC. *Traffic Technology International*, April/May Issue, pp. 40-43.

[O10]. Dinopoulou, V., Diakaki, C., and Papageorgiou, M. (2002). Co-ordinated urban traffic control strategy TUC (in Greek). *Diastasi* (Technical Chamber of Greece, West Crete Division), Issue 22, pp. 12-18, and *Technografima* (Technical Chamber of Greece, Central Macedonia Division), Issue 223, pp. 12-13.

[O11]. Diakaki, C., Papageorgiou, M., Aboudolas, K.(2002). Traffic-responsive urban network control using multivariable regulators. *Modélisation du Trafic-Actes du Groupe de Travail 1999*, Actes INRETS No. 83, Paris, France, pp. 137-153.

[O12]. Diakaki, C., Dinopoulou, V., Aboudolas, K., Papageorgiou, M., Ben-Shabat, E., Seider, E., and Leibov, A. (2004). Extensions and new applications of the traffic signal control strategy TUC. *Modélisation du Trafic-Actes du Groupe de Travail 2002*, Actes INRETS No. 97, Paris, France, pp. 67-88.

[O13]. Theofanoudi, A., Diakaki, C., and Katsivela, E. (2008). Environmental and socioeconomic evaluation of industrial regions. *Newsletter of the Panhellenic Association of Mechanical-Electrical Engineers*, No 406, pp. 56-60.

8.6 Studies and research reports

[R1]. Diakaki, C., and Papageorgiou, M. (1994). *Design and Simulation Test of Coordinated Ramp Metering Control (METALINE) for A10-West in Amsterdam*. Internal Report 1994-2, Dynamic Systems and Simulation Laboratory, Technical University of Crete.

[R2]. Middelham, F., Haj-Salem, H., Papageorgiou, M., Diakaki, C., Chrisoulakis, J., Gower, P., Tordjman, D., Psarras, J., and McLean, T. *Fully Integrated Control Design-Part I*. Deliverable 9A. Report of the Advanced Transport Telematics Project EUROCOR (V2017) for the Transport Telematics Office, Brussels, Belgium, September 1994.

[R3]. Diakaki, C., and Papageorgiou, M. (1995). *Design and Simulation Test of Integrated Corridor Control for M8 Eastbound Corridor in Glasgow*. Internal Report 1995-3, Dynamic Systems and Simulation Laboratory, Technical University of Crete.

[R4]. Papageorgiou, M., Moreno Baños, J. C., Diakaki, C., Haj-Salem, H., Elloumi, N., McLean, T., Middelham, F., Chrisoulakis, J., Gower, P., Tordjman, D., and Psarras, J. *Fully Integrated Control Design: Future Concepts*. Deliverable 9B. Report of the Advanced Transport Telematics Project EUROCOR (V2017) for the Transport Telematics Office, Brussels, Belgium, March 1995.

[R5].   Diakaki, C., and Papageorgiou, M. (1996). *Integrated Modelling and Control of Corridor Traffic Networks Using the METACOR Modelling Tool*. Internal Report 1996-8, Dynamic Systems and Simulation Laboratory, Technical University of Crete.

[R6].   McLean, T., Brader, C., Diakaki, C., Papageorgiou, M., Hangleiter, S., Tsavachidis, M., Damas, C., and Maxwell, B. *Sites, User Needs, and Traffic Model Verification Report*. Deliverable 8.1. Report of the Telematics Applications Project TABASCO (TR1054) for the Transport Telematics Office, Brussels, Belgium, August 1997.

[R7].   McLean, T., Brader, C., Diakaki, C., Papageorgiou, M., Hangleiter, S., Tsavachidis, M., and Damas, C. *Urban Integrated Traffic Control Implementation Strategies*. Deliverable 8.2. Report of the Telematics Applications Project TABASCO (TR1054) for the Transport Telematics Office, Brussels, Belgium, September 1997.

[R8].   Kotsialos, A., Diakaki, C., and Papageorgiou, M. The METANET Traffic Model. Appendix A/Deliverable 6.1: *Coordinated Control Strategies*. Report of Project DACCORD (TR1017) for the Transport Telematics Office, Brussels, Belgium, December 1997.

[R9].   Diakaki, C., and Papageorgiou, M. Design and Simulation Test of Coordinated Ramp Metering Control (METALINE) for A10-West in Amsterdam. Appendix C/Deliverable 6.3: *Off-line Simulation Results*. Report of Project DACCORD (TR1017) for the Transport Telematics Office, Brussels, Belgium, August 1998.

[R10].   Diakaki, C., and Papageorgiou, M. *The Co-ordinated Traffic-responsive Urban Control Strategy TUC*. 5th Delta Report for Daimler-Benz AG, Stuttgart, Germany, December 1999.

[R11].   Diakaki, C., Dinopoulou, V., and Papageorgiou, M. *Software Architecture for the Implementation of the Urban Road Traffic Control Strategy TUC* (in Greek). Technical Report. Report of Project CHANIASYN (96SYN) for the Greek Ministry for Research and Technology, Athens, June 2000.

[R12].   Diakaki, C., and partners of the Information Society Technologies Programme OMNI (IST-1999-11250). *User Requirements*. Deliverable 1.1. Report for the Information Society Technologies Office, Brussels, Belgium, June 2000.

[R13].   Dinopoulou, V., Diakaki, C., Papageorgiou, M., and Chourmouziadou, Z. *Real-time Urban Traffic Control Strategy: Development and Implementation in Chania* (in Greek). Progress Report. Progress Report of Phase A of Project CHANIASYN (96SYN) for the Greek Ministry for Research and Technology, Athens, July 2000.

[R14].   Diakaki, C., and partners of the Information Society Technologies Programme OMNI (IST-1999-11250). *ATT Devices Functional Specifications*. Deliverable 2.3. Report for the Information Society Technologies Office, Brussels, Belgium, February 2001.

[R15].   Dinopoulou, V., Diakaki, C., Marinakis, G., and Papageorgiou, M. *Real-time Urban Traffic Control Strategy: Development and Implementation in Chania* (in Greek). Progress Report. Progress Report of Phase B of Project CHANIASYN (96SYN) for the Greek Ministry for Research and Technology, Athens, October 2001.

[R16].   Kosmatopoulos, E., Condie, H., Papageorgiou, M., Diakaki, C., Clarke, R., Muck, J., and Mertz, J. *Dissemination and Use Plan*. Deliverable 6. Report of Project SMART NETS (IST-2000-28090) for the Information Society Technologies Office, Brussels, Belgium, November 2001.

[R17].   Mertz, J., Kosmatopoulos, E., Diakaki, C., Mück, J., Keller, J., and Papageorgiou, M. *Functional Specifications Munich*. Deliverable 5. Report of Project SMART NETS (IST-2000-28090) for the Information Society Technologies Office, Brussels, Belgium, November 2001.

[R18].   Nash, S., Walsh, A., Diakaki, C., and Papageorgiou, M. *Functional Specifications Southampton*. Deliverable 4. Report of Project SMART NETS (IST-2000-28090) for the Information Society Technologies Office, Brussels, Belgium, December 2001.

[R19].   Condie, H., Bielefeldt, C., Morris, R., Walsh, A., Diakaki, C., and Mertz, J. *Draft Evaluation Plan*. Deliverable 8. Report of Project SMART NETS (IST-2000-28090) for the Information Society Technologies Office, Brussels, Belgium, February 2002.

[R20].   Kalogiannis, G., Diakaki, C., Papageorgiou, M., Marinakis, G., and Giakoumakis, C. *Functional Specifications Chania*. Deliverable 3. Report of Project SMART NETS (IST-2000-28090) for the Information Society Technologies Office, Brussels, Belgium, February 2002.

[R21]. Diakaki, C., Dinopoulou, V., Aboudolas, K., Papageorgiou, M., and partners DHV, Matan, E. Ben-Shabat. *Public Transport Priority Study for the LRT Red Line in Tel Aviv, Israel*. Final Report for the NTA-Metropolitan Mass Transit System Ltd., Tel Aviv, Israel, April 2002.

[R22]. Diakaki, C., Dinopoulou, V., Aboudolas, K., Papageorgiou, M., and partners E. Ben-Shabat. *Public Transport Priority Study for Jerusalem, Israel*. Final Report for the Jerusalem Transportation Master Plan - Jerusalem Mass Transit System Project, Jerusalem, Israel, April 2002.

[R23]. Diakaki, C., Papageorgiou, M. and partners of the Information Society Technologies Project SMART NETS (IST-2000-28090). *Project Management and Quality (PMQ) Plan*. Deliverable 1. Report for the Information Society Technologies Office, Brussels, Belgium, May 2002.

[R24]. Diakaki, C., Dinopoulou, V., Aboudolas, K., and Papageorgiou, M. *Final System Development Report*. Deliverable 9. Report for the Information Society Technologies Office, Brussels, Belgium, July 2002.

[R25]. Diakaki, C., Dinopoulou, V., and Papageorgiou, M. *Public Transport Priority in TUC*. Deliverable 7. Report for the Information Society Technologies Office, Brussels, Belgium, July 2002.

[R26]. Condie, H., Bielefeldt, C., Diakaki, C., Mück, J., and Richards, A. *Final Evaluation Plan*. Deliverable 13. Report of Project SMART NETS (IST-2000-28090) for the Information Society Technologies Office, Brussels, Belgium, August 2002.

[R27]. Kosmatopoulos, E., Diakaki, C., Papageorgiou, M., Mück, J., and Mertz, J. *Demonstrator for Munich*. Deliverable 12. Report of Project SMART NETS (IST-2000-28090) for the Information Society Technologies Office, Brussels, Belgium, December 2002.

[R28]. Diakaki, C., Nash, S., Walsh, A., Aboudolas, K., Protopappa, M., and Papageorgiou, M. *Demonstrator for Southampton*. Deliverable 11. Report of Project SMART NETS (IST-2000-28090) for the Information Society Technologies Office, Brussels, Belgium, January 2003.

[R29]. Diakaki, C., Dinopoulou, V., Smaragdis, M., Burrows, G., Simon, N., Walsh, A., and Green, M. *TUC Application in Southampton: Software and Input Files*. Technical Report. Report for Siemens Traffic Controls, UK and Southampton City Council, UK, prepared under the Information Society Technologies Project SMART NETS (IST-2000-28090), February 2003.

[R30]. Diakaki, C., and Grigoroudis, V. *SYNERGY Network: Functional Specifications of SYNERGY Info Points* (in Greek). Technical Report, Report of the Leonardo da Vinci Project SYNERGY, August 2004.

[R31]. Diakaki, C., and Grigoroudis, V. *SYNERGY Network: Service Quality Assessment and Assurance System* (in Greek). Technical Report, Report of the Leonardo da Vinci Project SYNERGY, August 2004.

[R32]. Diakaki, C. and partners of UNITECH Hellas Ltd. *Study for the Development of a Technology Park in the Region of Sterea Ellada, Greece* (in Greek). Feasibility Study for the Region of Sterea Ellada, Greece, December 2005.

[R33]. Diakaki, C., Kolokotsa, D., and Vlissidis, A. *Development and Calibration of a TRNSYS Simulation Model for the Cool Roofs Case Study of a Building in Iraklion, Crete, Greece*. Technical Report prepared under the Intelligent Energy - Europe Project COOL ROOFS (EIE/07/475/SI2.499428), July 2009.

[R34]. Kolokotsa, D., Diakaki, C., and Vlissidis, A. *Cool Roofs Case Study of a Building in Iraklion, Crete, Greece*. Technical Report prepared under the Intelligent Energy - Europe Project COOL ROOFS (EIE/07/475/SI2.499428), December 2009.

[R35]. Diakaki, C., and partners of eGreenship project. *Receipt of Available Ship Operational Parameters, Meteorological Data – Definition of Required non Available Parameters*. Deliverable 1.3. Technical Report prepared under the Greek SYNERGASIA project eGreenShip (09SYN-51-871) for the Greek Ministry for Research and Technology, Athens, February 2012.

[R36]. Diakaki, C., and partners of eGreenship project. *Definition of Parameters to be Recorded on Ship and Technical Specifications of the Required Equipment*. Deliverable 4.1. Technical Report prepared under the Greek SYNERGASIA project eGreenShip (09SYN-51-871) for the Greek Ministry for Research and Technology, Athens, July 2012.

[R37]. Diakaki, C., Dinopoulou, V., Papamichail, I., and Papageorgiou, M. *Public Transport Priority in Real Time: A State of the Art and Practice Review*. Deliverable 1, 2nd Version, Technical Report prepared under the Greek ARCHIMIDIS III (MIS 383583) project for the Ministry of Education and Religious Affairs, Athens, February 2013.

[R38]. Diakaki, C., and partners of eGreenship project. *Development of a Decision Support System for Fault Diagnosis and Energy/Emissions Reduction in Ships*. Deliverable 6.1, Technical Report prepared under the Greek SYNERGASIA project eGreenShip (09SYN-51-871) for the Greek Ministry for Research and Technology, Athens, November 2013.

[R39]. Diakaki, C., and partners of eGreenship project. *Installation and user manual*. Deliverable 5.2, Technical Report prepared under the Greek SYNERGASIA project eGreenShip (09SYN-51-871) for the Greek Ministry for Research and Technology, Athens, January 2014.

9. Citations Overview

The following table provides a citation overview according to the Scopus [access date 01.04.2014] and Google Scholar [access date 01.04.2014] databases. From the Scopus citations, the self-citations of all co-authors have been excluded. The Scopus h-index equals to 9, while the h- and the i10-index of Google Scholar equal to 16 and 17, respectively.

No.	Authors-Year-Title	Citations based on	
		Scopus	Google Scholar
Th3	Diakaki, C. (1999). Integrated Control of Traffic Flow in Corridor Networks.		44
B4	Diakaki, C., and Grigoroudis, E. (2013). Applying genetic algorithms to optimise energy efficiency in buildings.	1	2
J1	Diakaki, C., Papageorgiou, M., and McLean, T. (1997). Simulation studies of integrated corridor control in Glasgow.	15	49
J3	Diakaki, C., Papageorgiou, M., and McLean, T. (2000). Application and evaluation of the integrated traffic-responsive urban corridor control strategy IN-TUC in Glasgow.	8	61
J4	Diakaki, C., Papageorgiou, M., and Aboudolas, K. (2002). A multivariable regulator approach to traffic-responsive network-wide signal control.	78	151
J5	Kotsialos, A., Papageorgiou, M., Diakaki, C., Pavlis, Y., and Middelham, F. (2002). Traffic flow modelling of large-scale motorway networks using the macroscopic modelling tool METANET.	83	158
J6	Papageorgiou, M., Diakaki, C., Dinopoulou, V., Kotsialos, A. Wang, Y. (2003). Review of road traffic control strategies.	229	405
J7	Diakaki, C., Dinopoulou, V., Aboudolas, K., Papageorgiou, M., Ben-Shabat, E., Seider, E., and Leibov, A. (2003). Extensions and new applications of the traffic signal control strategy TUC.	15	66
J8	Dinopoulou, V., Diakaki, C., and Papageorgiou, M. (2005). Application and evaluation of the signal traffic control strategy TUC in Chania.		3
J9	Diakaki, C., Grigoroudis, E., and Stabouli, M. (2006). A risk assessment approach in selecting environmental performance indicators.	5	18
J10	Dinopoulou, V. Diakaki, C., and Papageorgiou, M. (2006). Applications of the urban traffic control strategy TUC.	11	43
J11	Diakaki, C., Grigoroudis, E., and Kolokotsa, D. (2008). Towards a multi-objective optimization approach for improving energy efficiency in buildings.	50	84
J13	Kolokotsa, D., Diakaki, C., Grigoroudis, E., Stavrakakis, G., and Kalaitzakis, K. (2009). Decision support methodologies on the energy efficiency and energy management in buildings.	12	21
J14	Diakaki, C., Grigoroudis, E., Kabelis, N., Kolokotsa, D, Kalaitzakis, K., Stavrakakis, G. (2010). A multi-objective decision model for the improvement of energy efficiency in buildings.	30	38
J15	Kolokotsa, D., Diakaki, C., Papantoniou, S., Vlissidis, A. (2012). Numerical and experimental analysis of cool roofs application on a laboratory building in Iraklion, Crete, Greece.	8	19
C3	McLean, T., Brader, C., Diakaki, C., and Papageorgiou, M. (1998). Urban integrated traffic control in Glasgow, Scotland.	2	
C4	Diakaki, C., Papageorgiou, M., and McLean, T. (1998). Applying integrated corridor	1	4

No.	Authors-Year-Title	Citations based on	
		Scopus	Google Scholar
	control in Glasgow.		
C5	Kotsialos, A., Pavlis, Y., Diakaki, C., Vardaka, G., and Papageorgiou, M. (1998). Modelling of the large scale motorway network around Amsterdam.		4
C10	Dinopoulou, V., Diakaki, C., and Papageorgiou, M. (2000). Simulation investigations of the traffic-responsive urban control strategy TUC.	7	20
C11	Bielefeldt, C., Diakaki, C., and Papageorgiou, M. (2001). TUC and the SMART NETS project.	3	8
O3	Diakaki, C., Papageorgiou, M., and McLean, T. (1999). Integrated traffic-responsive urban control strategy IN-TUC: Application and evaluation in Glasgow.		6
R1	Diakaki, C., and Papageorgiou, M. (1994). Design and Simulation Test of Coordinated Ramp Metering Control (METALINE) for A10-West in Amsterdam.		24
R3	Diakaki, C., and Papageorgiou, M. (1995). Design and Simulation Test of Integrated Corridor Control for M8 Eastbound Corridor in Glasgow.		5
R5	Diakaki, C., and Papageorgiou, M. (1996). Integrated Modelling and Control of Corridor Traffic Networks Using the METACOR Modelling Tool.		17
R7	McLean, T., Brader, C., Diakaki, C., Papageorgiou, M., Hangleiter, S., Tsavachidis, M., and Damas, C. Urban Integrated Traffic Control Implementation Strategies.		5
R24	Diakaki, C., Dinopoulou, V., Aboudolas, K., and Papageorgiou, M. Final System Development Report.		12
Total citations		558	1267