

# Curriculum Vitae

## Armando Carteni

Armando Carteni was born in Naples (Italy, EU) on July 14, 1975.  
From 2017 he is Associate Professor in Transportation Planning at the Department of Engineering of the University of Campania "Luigi Vanvitelli". He is mobility manager and professor of Transportation Planning of the University of Campania "Luigi Vanvitelli".  
He is founder and responsible of the Transportation System Laboratory of the University of Campania "Luigi Vanvitelli" (Italy).  
From 2010 to 2017 he was Assistant Professor in Transportation Planning at the Department of Civil, Architectural and Environmental Engineering – University of Naples "Federico II".  
From 2016 to 2017 he was responsible of the Transportation Planning and Design Laboratory of the University of Naples "Federico II" (Italy).  
In 2004 he got a PhD degree on Transportation Engineering at the Department of Transportation Engineering, University of Naples.  
In 2000 he got a Civil Engineering degree on Transportation at the University of Naples.



### Main research topics

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His research activity has mainly regarded:

- transportation planning;
- transportation decision-making process and public engagement;
- sharing mobility;
- mobility as a service application;
- sustainable mobility;
- public transport;
- discrete choice models for transport user behaviour;
- freight transport and container terminal simulation modelling;
- transportation environmental impacts and externalities;
- cost-benefit analysis and evaluation methods.

### Publications subject areas:

He is the author of over 100 scientific publications in national and international journals, books and conference proceedings. His publications are with more than 21 co-authors and cover many research subject areas such as (source: Scopus database, October 2018 - Author ID: 24279706400):

- engineering (25.9%)
- social sciences (18.5%)
- computer sciences (14.8%)
- environmental science (9.9%)
- mathematics (8.6%)
- decision sciences (6.2%)
- arts and humanities (4.9%)
- energy (4.9%)
- others (6.2%)

## Publications indices

(source: Scopus database, March 2018 - Author ID: 24279706400)

- H-index = 15
- Documents by author = 40
- Total citations = 523
- Total co-authors = 22
- Cited by 285 documents

## Academic career

2017-date: Associate Professor at the Department of Engineering – University of Campania “Luigi Vanvitelli”;  
2010-2017: Assistant Professor at the Department of Civil, Architectural and Environmental Engineering – University of Naples “Federico II”  
2007-2010, Researcher with contract, University of Salerno – Department of Civil Engineer (Italy)  
2005-2006, Researcher with contract, University of Salerno – Department of Civil Engineer (Italy)  
2004-2005, Researcher with contract, University of Reggio Calabria (Italy)

## Academic and Research roles/commitments

2018, Member of the professors' board of the PhD in "ENVIRONMENT, DESIGN AND INNOVATION" of the University of Campania "Luigi Vanvitelli", Cycle: 34.  
2018, Mobility Manager of the University of Campania "Luigi Vanvitelli";  
2018-date, founder and responsible of the Transportation System Laboratory of the University of Campania "Luigi Vanvitelli" (Italy);  
2017-2018, technical consultant of the National Agency for the attraction of investments and the development of enterprise - INVITALIA, within the multidisciplinary advisory board relative to the Traffic study and cost-benefit analysis related to the redevelopment of the ex-Italsider area in Bagnoli, Naples (Italy);  
2016-2017, Member of the "Highway Working Group: Regulatory and programming aspects and Investment assessment" - Italian Ministry of Infrastructure and Transport;  
2016-2017, responsible of the Transportation Planning and Design Laboratory of the University of Naples "Federico II" (Italy);  
2016, Mobility Manager of the Second University of Naples.

## Membership in Associations/Scientific societies

Is member of the following Associations/Scientific societies;  
2017-date, member of the World Academy of Science, Engineering and Technology Associations  
2017-date, member of the SCIREA, Science Research Association;  
following Associations/Scientific societies;  
2017-date, member of the World Academy of Science, Engineering and Technology Associations;  
2014-date, member of the directive board of the Italian Society of professors in transportation fields (SIDT).

## Reviewer and research project/products evaluator

2015 reviewer of the Italian VQR - ASSESSMENT OF RESEARCH QUALITY 2011-2014, on behalf of the Ministry of Education, University and Research;  
2016 member of the evaluation panel in relation to the thematic area "Sustainable mobility", PhD ITalents project of the Italian CRUI Foundation - Conference of the Rectors of Italian Universities.

## Scientific coordinator of projects

2019 - scientific coordinator of the research projects Consultation for the revision and consolidation of strategic lines of Research and Innovation in the development of the Naples-Bari rail HS / AC infrastructure "- ASSE IV POR Campania FSE 2014-2020, commissioned by Campania Region and Managing Authority of the POR Campania FSE 2014-2020;  
2019 - scientific coordinator of the cost-benefit analysis related to the impacts produced by a new Metro Line in Naples metropolitan area (Italy), Department of Engineering, University of Campania "Luigi Vanvitelli"

2018 - scientific coordinator of the cost-benefit analysis related to the impacts produced by Metro Line 1 in Naples (Italy), Department of Engineering, University of Campania "Luigi Vanvitelli";

2017 - date, is the project manager of the VerySoon integrated "mobility as a service" platform developed by the University of Campania consisting in: i) a unique platform (App) for the management the University transport services; ii) dedicated bus lines; iii) a student's carpooling service;

2017 - scientific coordinator of the Foggia Provincial Public Transport Plan (Italy); University of Naples Federico II;

2017 - scientific coordinator of the Brindisi Provincial Public Transport Plan (Italy); University of Naples Federico II;

2017 - scientific coordinator of a study for assessing the impacts of the high-speed rail of the extra-urban transport market;

2016 - scientific coordinator of the cost-benefit analysis related to the impacts produced by the new highway A14 "Passante di Bologna", commissioned by NET ENGINEERING spa to the Department of Civil, Building and Environmental Engineering of the University of Naples Federico II;

2016 - scientific coordinator of the cost-benefit analysis related to the impacts produced by the new railway line Formia-Gaeta, commissioned by Consorzio SUD Pontino S.r.l. o the Department of Civil, Building and Environmental Engineering of the University of Naples Federico II.

### **Participation in scientific/research projects**

2018, has participated in the cost-benefit analysis for the evaluation of the "Effects induced by the development of High-Speed Rail HSR transport in Italy", Formez PA, Ministry of Infrastructure and Transport, CLAS Spa;

2016, member of the technical-scientific board with reference to the "Italian transport projects review" conducted by the STM Mission Technical Structure of the Italian Ministry of Transport and Infrastructures.

2016, has collaborated in developing the Italian Guidelines for the Evaluation of Investments in Public infrastructures - Ministry of Infrastructure and Transport;

2015, has collaborated in the technical-scientific study for the estimation of Italian motorway traffic flows in the period 2015-2020;

2015, has collaborated in the technical-scientific study aimed in estimation of the competitive position of Naples Capodichino airport within the domestic and international air competition market;

2015, has collaborated in the technical-scientific study for estimating the transportation impacts deriving from the realization of the Naples metro system (Italy);

2014, has collaborated in the technical-scientific study aimed at estimating the impacts deriving from the competition in the market among high-speed rail operators in Italy;

2013-2015, member of the technical-scientific board with reference to the research project "SMART GREEN PORT - Research and analysis on energy, environmental and sustainable mobility within the port of Salerno (Italy), University of Naples Federico II;

2013, has collaborated in the technical-scientific study aimed at defining the Business Plan for a car-sharing system for medium size city in Italy;

2012, has collaborated in the developing the Sustainable Energy Action Plan for the City of Naples (Italy); University of Naples Federico II;

2011-2012, has collaborated on the P.R.I.N. "Guidelines for the analysis and design of urban transport networks: models and algorithms for the assignment of equilibrium with variable demand" coordinated by prof. A. Vitetta, Mediterranean University of Reggio Calabria, participating in the activities of the University of Salerno local unit, scientific head, prof. G.E. Cantarella;

2008-2012, has collaborated on the P.R.I.N. "Satin road intersections - criteria for choosing the type: advantages and disadvantages of isolated semaphore intersections" coordinated by prof. R. Camus, University of Trieste, participating in the activities of the University of Salerno local unit, scientific head, prof. G.E. Cantarella;

2009 has collaborated in the Feasibility study for the construction of a logistics platform in Ufita Valley; Province of Avellino, Campania Region (ITALY);

2009 - Energy Plan for the City of Salerno (Italy); Department of Civil Engineering, University of Salerno;

2005-2006, Researcher with contract for the University of Salerno within the Italian national project PRIN 2005: Analysis and reduction of sensitivity to atmospheric fluctuations in the measurement of traffic parameters obtained by image processing with motion tracking techniques;

2005 has collaborated in the Research project: Management of a container terminal; Salerno Container Terminal (SCT);

2004 has collaborated in the Research project: An integrated modeling framework for intermodal freight operations; Department of Transportation Engineering University of Naples Federico II;  
2004 has collaborated in the European research project: INTERREG IIIB, Port Net Med Plus, Reports Medocc, accessibility and intermodality; Department of Transportation Engineering University of Naples Federico II;  
2001–2002, Researcher with contract for the University Naples Federico II within the European research project: EXPEDITE, Study of the mobility of people and goods between European countries.

## **Participation in Editorial Board of international scientific journals**

Is Associate editor of the international journal: The Open Transportation Journal (ISSN: 1874-4478).

Is part of the International editorial board of the following international journals:

- Sustainability in Environment - ISSN 2470-637X (Print), ISSN 2470-6388 (Online);
- European Scientific Journal (ESJ) - ISSN: 1857 - 7881 (Print), ISSN: 1857 - 7431 (Online);
- SCIREA Journal of Traffic and Transportation is an international journal.

## **Main Publications**

### **BOOKS**

- P.1 Carteni, A. (2017); Processi decisionali e Pianificazione dei trasporti, Lulu International. ISBN 978-1-326-46240-6
- P.2 Carteni, A., Henke, I. (2016); Consenso pubblico ed analisi economico-finanziaria nel "progetto di fattibilità": Linee guida ed applicazione al progetto di riqualificazione della Linea ferroviaria Formia-Gaeta, Lulu International. ISBN 978-1-326-86678-5

### **JOURNALS**

- P.3 Carteni, A., Henke I., Moliterno C. (2018); A Cost-Benefit Analysis of the Metro Line 1 in Naples, Italy. WSEAS Transactions on Business and Economics; Volume 15, Art. #54, pp. 529-538. ISSN / E-ISSN: 1109-9526 / 2224-2899.
- P.4 Carteni A., De Guglielmo M.L., Henke I., (2018); Design of Sustainable Urban Transport Infrastructures: A Real Case Application in Italy. International Journal of Civil Engineering and Technology (IJCIET) 9(10); 2131–2147
- P.5 Carteni, A., De Guglielmo, M.L., Pascale, (2018); Congested Urban Areas with High Interactions Between Vehicular and Pedestrian Flows: A Cost-Benefit Analysis for a Sustainable Transport Policy in Naples, Italy. The Open Transportation Journal (TOTJ) Volume 12, pp. 273–288. DOI: 10.2174/1874447801812010273.
- P.6 Carteni, A. (2018); A cost-benefit analysis based on the carbon footprint derived from plugin hybrid electric buses for urban public transport services. WSEAS Transactions on Environment and Development; Volume 14, Art. #12, pp. 125-135. ISSN / E-ISSN: 1790-5079 / 2224-3496.
- P.7 Carteni, A., Cascetta F. (2018); Particulate matter concentrations in an high quality rubber-tyred metro system: the case study of Turin in Italy; International Journal of Environmental Science and Technology, Vol. 15, Issue 9, pp. 1921–1930. DOI: 10.1007/s13762-017-1566-x.
- P.8 Carteni, A. (2017); A plug-in hybrid electric bus fleet as a rational and sustainable urban transport policy: a real case application in Italy; IARAS International Journal of Transportation Systems, Vol.2; pp. 46-53. ISSN: 2534-8876
- P.9 Carteni, A., Henke, I. (2017); Feasibility Studies through Quantitative Methods: The Revamping of a Tourist Railway Line in Italy; World Academy of Science, Engineering and Technology, International Science Index 129, International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering, 11(9), 1165 - 1169.
- P.10 Carteni, A., Henke, I. (2017); The Influence of Travel Experience within Perceived Public Transport Quality. World Academy of Science, Engineering and Technology, International Science Index 129, International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering, 11(9), pp. 2077 - 2081.

- P.11 Carteni, A., De Guglielmo, M.L., Pascale, N., Calabrese, M. (2017); An adaptive rational decision-making process for developing Sustainable Urban Mobility Plans. *International Journal of Civil Engineering and Technology (IJCIET)* Volume 8, Issue 7, July 2017, pp. 1147–1156. ISSN Print: 0976-6316.
- P.12 Carteni, A., Henke I., (2017); Public transport quality and travel experience: the Italian case study. *European Scientific Journal (ESJ)*. ISSN: 1857 – 7881.
- P.13 Carteni, A. Pariota L., Henke I., (2017); Hedonic value of high-speed rail services: Quantitative analysis of the students' domestic tourist attractiveness of the main Italian cities, *Transportation Research Part A: Policy and Practice*, Volume 100, pp. 348-365. DOI: 10.1016/j.tra.2017.04.018
- P.14 Carteni, A. (2017); A real case application for traffic demand estimation using multi-class vehicle traffic counts, *SCIREA Journal of Traffic and Transportation*. Vol. 2 , No. 1, pp. 1-14.
- P.15 Carteni, A., Pariota L., Henke, I. (2016); The effects of High Speed Rail on the touristic attractiveness of the main Italian cities [Gli effetti dell'alta velocità ferroviaria sull'attrattività turistica delle principali città italiane]. *Ingegneria Ferroviaria*, 71 (3), pp. 229-245. ISSN: 0020-0956.
- P.16 Carteni, A. Cascetta E., de Luca S. (2016); A random utility model for park & carsharing services and the pure preference for electric vehicles, *Transport Policy* 48, pp. 49-59. DOI: 10.1016/j.tranpol.2016.02.012
- P.17 Cascetta, E., Carteni, A., Montanino, M. (2016); A behavioral model of accessibility based on the number of available opportunities. *Journal of Transport Geography* 51, pp. 45–58. DOI: 10.1016/j.jtrangeo.2015.11.002
- P.18 Carteni, A. (2015); Renewing Bus Fleet into Diesel Plug-in Hybrid Electric Vehicles: Environmental Implications in a Medium-Size City in Italy. *WSEAS Transactions on Environment and Development*; Vol. 11, Art. #30, pp. 272-281. ISSN / E-ISSN: 1790-5079 / 2224-3496.
- P.19 Cascetta, E., Carteni, A., Pagliara F., Montanino, M. (2015); A new look at planning and designing transportation systems as decision-making processes; *Transport Policy* 38. pp. 27–39. DOI: 10.1016/j.tranpol.2014.11.005
- P.20 Carteni, A., Cascetta F., Campana S. (2015). Underground and ground-level particulate matter concentrations in an Italian metro system. *Atmospheric Environment*. Volume 101. pp. 328–337. DOI: 10.1016/j.atmosenv.2014.11.030
- P.21 Cantarella G.E.; de Luca S., Carteni A. (2015); Stochastic equilibrium assignment with variable demand: theoretical and implementation issues; *European Journal of Operational Research*. DOI: 10.1016/j.ejor.2014.09.010
- P.22 Carteni, A. (2015); Urban sustainable mobility. Part 2: Simulation models and impacts estimation; *Transport Problems*, 10 (1), pp. 5-16.
- P.23 Cascetta E., Carteni A. (2014); The hedonic value of railways terminals. A quantitative analysis of the impact of stations quality on travellers behaviour; *Transportation Research Part A 61C* (2014), pp. 41-52; DOI:10.1016/j.tra.2013.12.008.
- P.24 Carteni, A. (2014). Accessibility indicators for freight transport terminals. *Arabian Journal for Science and Engineering* DOI: 10.1007/s13369-014-1333-y
- P.25 Carteni, A. (2014). Urban sustainable mobility. Part 1: Rationality in transport planning. *Transport Problems*, 9 (4); pp. 39 - 48. ISSN 2300-861X
- P.26 Carteni, A., de Luca S. (2014); Greening the transportation sector: a methodology for assessing sustainable mobility policies within a sustainable energy action plan. *International Journal of Powertrains*, Vol. 3, No. 4. pp. 354-374. ISSN: 1742-4275. DOI: 10.1504/IJPT.2014.066420
- P.27 Cascetta E., Carteni, A., Henke I. (2014). Stations quality, aesthetics and attractiveness of rail transport: empirical evidence and mathematical models [Qualità delle stazioni, estetica e attrattività del trasporto ferroviario: evidenze empiriche e modelli matematici]. *Ingegneria Ferroviaria*, 69 (4), pp. 307-324 ISSN: 0020-0956
- P.28 Cascetta E., Carteni A. (2014); A quality-based approach to public transportation planning: theory and a case study; *International Journal of Sustainable Transportation*, Taylor & Francis, Volume 8, Issue 1; ISSN: 1556-8318. DOI:10.1080/15568318.2012.758532.
- P.29 De Luca, S., Carteni, A. (2013). A multi-scale modelling architecture for estimating of transport mode choice induced by a new railway connection: The Salerno-University of Salerno-Mercato San Severino Route [Un'architettura modellistica multi-scala per la stima delle ripartizioni modali indotte da un nuovo collegamento ferroviario: il caso studio della tratta Salerno-Università di Salerno-Mercato San Severino]. *Ingegneria Ferroviaria*, 68 (5), pp. 447-473. ISSN: 0020-0956.

- P.30 Cascetta E., Carteni A., Carbone M. (2013); La progettazione quality-based nel trasporto pubblico locale. Il sistema di metropolitana regionale della Campania; *Ingegneria Ferroviaria*, 68 (3), pp. 241-261. ISSN: 0020-0956.
- P.31 Carteni, A., de Luca S. (2012); Tactical and strategic planning for a container terminal: Modelling issues within a discrete event simulation approach; *Simulation modeling and practice*, Elsevier; Volume 21, Issue 1; pp. 123-145. ISSN: 1569-190X. DOI:10.1016/j.simpat.2011.10.005
- P.32 Carteni, A., de Luca S. (2010); Analysis and modeling of container terminal handling activities: *European Transport/Trasporti Europei*, Issue 46, pp. 52-71; ISSN 1825-3997.
- P.33 Bifulco G.N., Carteni A. e Papola A. (2010); An activity-based approach for complex travel behaviour modeling; *European Transport Research Review* Vol. 2, Issue 4; pp. 209-221; Springer; ISSN 1867-0717.
- P.34 D'Acerno L., Carteni A., Montella B. (2009); Estimation of urban traffic conditions using an Automatic Vehicle Location (AVL) System; *European Journal of Operational Research* 196 (2), pp. 719-736. Elsevier B.V.; Kidlington, UK. ISSN: 0377-2217.
- P.35 Carteni A. (2005); La logistica ed il trasporto delle merci: un'architettura modellistica, *Rassegna Economica*, Quaderni Di Ricerca N.16, Ass. Studi e Ricerche per il Mezzogiorno; pp. 33-58; ISSN 1720-2515.
- P.36 Carteni A. e de Luca S. (2005); Riquilificazione e potenziamento della tratta: "Salerno-Fisciano-Mercato San Severino-Avellino": simulazione ed analisi degli impatti sul sistema di trasporto; *Area Vasta* numero 10/11. ISSN 1825-7526.
- P.37 Coppola P. and Carteni A. (2001); A study on the elasticity of longrange travel demand for passenger transport; *European Transport \ Trasporti Europei*, *International Journal of Transport Economics, Engineering and Law*; anno VII, n.19. Artigraficheriva srl Trieste; pp.32-42. ISSN 1129-5627.

### **BOOKS CHAPTERS**

- P.38 Carteni A. (2018); Il progetto integrato di Mobilità "VerySoon" dell'Università della Campania L. Vanvitelli; in *Sharing mobility management. Indicare alle persone la strada verso scelte di spostamento multimodali*; Quaderni 19 / 2018, Istituto Superiore per la Protezione e la Ricerca Ambientale, ISPRA. ISBN 978-88-448-0916-4
- P.39 Carteni A. (2014); Il valore della bellezza per le stazioni ferroviarie: il caso della Campania; in *Le metropolitane ed il futuro delle città*, a cura di E. Cascetta e B. Gravagnuolo; CLEAN edizioni. ISBN 978-88-8497-249-1
- P.40 Carteni A., de Luca S. (2014); Calibration and transferability of travel time cost functions for urban and suburban roads: a case study in Italy; in *Urban Street Design & Planning*, Edited by A. Pratelli; WitPress. pp.19-30. DOI: 10.2495/978-1-84564-847-3/03
- P.41 Carteni A. (2012); Emissioni zero e sostenibilità ambientale: il Sustainable Energy Action Plan (SEAP) come strumento operativo per la pianificazione di interventi eco-razionali su di un sistema dei trasporti; in *Città senza petrolio, Collana Governo del territorio e progetto urbano - Studi e Ricerche*, Moccia, F.D. (a cura di); Edizioni Scientifiche Italiane, pp. 35-45; ISBN 978-88-495-2405-5.
- P.42 Carteni A. (2010); Prediction reliability of container terminal simulation models: a before and after study; in *Service Science and Logistics Informatics: Innovative Perspectives*; Zongwei Luo (Eds.). IGI Publishing (IGI Global), Hershey PA, USA; pp. 315-335. ISBN: 978-1-61520-603-2.
- P.43 Carteni A. (2010); Inter-modal transport terminals accessibility analysis: application to a real case; *Lulu Enterprises, Inc.; USA*. ISBN 978-1-4452-6754-8.
- P.44 Carteni A. e Russo F. (2009); A tour-based model for the simulation of a distributive freight system; in *The Expanding Sphere of Travel Behaviour Research; selected papers from the 11th International Conference Travel Behaviour Research*; Ryuichi Kitamura, T. Yoshii (Eds.). Emerald Group Publishing Limited; Bingley, UK. ISBN 978-1-84855-936-3.
- P.45 de Luca S., Cantarella G.E. e Carteni A (2009); A macroscopic model of a container terminal based on diachronic networks; in *Schedule-Based Modeling of Transportation Networks*; Wilson, Nigel H.M., Nuzzolo, Agostino (Eds.). Springer Science + Business Media, LLC; New York, USA; ISBN 978-0-387-84811-2. DOI: 10.1007/978-0-387-84812-9\_15.
- P.46 Carteni A. (2007); Updating demand vectors using traffic counts on congested networks: a real case application; in *Urban Transport XIII: Urban Transport and the Environment in the 21st Century*; C.A.BREBBIA (Eds.). WIT Press, Southampton, UK; pp. 233-243. ISBN 978-1-84564-087-3.



- P.47 Carteni A. e Punzo V. (2007); Travel time cost functions for urban roads: a case study in Italy; in *Urban Transport XIII: Urban Transport and the Environment in the 21st Century*; C.A.BREBBIA (Eds.). WIT Press, Southampton, UK; pp. 233-243. ISBN 978-1-84564-087-3.
- P.48 Russo. F e Carteni A. (2006); Application of a tour-based model to simulate freight distribution in a large urbanized area; in *Recent Advances in City Logistics: Proceedings of the 4th International Conference on City Logistics*, Langkawi, Malaysia, 12-14 July, 2005; E. Taniguchi, R.G. Thompson (Eds.). Elsevier B.V.; Kidlington, UK; pp. 31-46, ISBN: 978-0-08-044799-5.
- P.49 Carteni A. e de Luca S. (2005); Effects of a new inter-city railway infrastructure on transport modes competition; in *Sustainable Development and Planning II*; A.G. KUNGOLOS e C.A.BREBBIA (Eds.). WIT Press, Southampton, UK. ISBN: 1-84564-050-0.
- P.50 Carteni A. e Russo F. (2004); A distribution regional freight demand model; in *Urban Transport X: Urban Transport and the Environment in the 21st Century*; C.A.BREBBIA (Eds.). WIT Press, Southampton, UK. ISBN: 1-85312-716-7.

### **CONTRIBUTION AND PARTICIPATION IN BOOKS CHAPTERS**

- P.51 PARAGRAPH 1.2, LE INFRASTRUTTURE CHE MANCANO E QUELLE CHE ABONDANO: I CONFRONTI CON L'EUROPA; in Cascetta E., Pagliara F., (2015). " Le Infrastrutture di trasporto in Italia: Cosa non ha funzionato e come porvi rimedio" , Aracne.
- P.52 CHAPTER 5, BASIC STATIC ASSIGNMENT TO TRANSPORTATION NETWORKS; in Cascetta E. (2009), *Transportation System Analysis: Models and Applications*, Springer.
- P.53 CHAPTER 6, ADVANCED MODELS FOR TRAFFIC ASSIGNMENT TO TRANSPORTATION NETWORKS; in Cascetta E. (2009), *Transportation System Analysis: Models and Applications*, Springer.
- P.54 CHAPTER 5, MODELLI DI BASE PER L'ASSEGNAZIONE ALLE RETI DI TRASPORTO; in Cascetta E. (2006), *Modelli per i sistemi di trasporto – Teoria e applicazioni*, Utet.
- P.55 CHAPTER 6, ESTENSIONI DEI MODELLI PER L'ASSEGNAZIONE ALLE RETI DI TRASPORTO; in Cascetta E. (2006), *Modelli per i sistemi di trasporto – Teoria e applicazioni*, Utet.

### **INTERNATIONAL CONFERENCES PROCEEDING**

- P.56 Carteni A., D'Acierno L., Gallo M. (2018); A rational decision-making process with stakeholder engagement for the design of local public transport services: an extra-urban case study in south of Italy. *Proceeding of Procurement design of local public transport services*, 15-16 November, Sapienza Università di Roma, Italy.
- P.57 Calise F., D'Accadia M.D., Carteni A., Cappiello F.L., Vicidomini M. (2018); A novel paradigm for a sustainable and renewable mobility: a case study for taxi in Naples. *Proceeding of 13th Conference on Sustainable Development of Energy, Water and Environment Systems - SDEWES Conference*, 30 September – 4 October, Palermo, Italy.
- P.58 Carteni A., Henke, I., Mallozzi F., Moliterno C. (2018). A multi-criteria analysis as a rational evaluation process for a new highway in Italy, *Proceeding of International Conference on Sustainable Development and Planning*, 4-6 September, Siena, Italy. WIT Press, Southampton, UK.
- P.59 Carteni A. (2018). How to Reduce Particulate Matter Concentrations in a Railway Metro System?. *International Conference on Energy, Environment, Ecosystems, and Development (EEED 2017)*; Praga, Repubblica Ceca, May 27-28.
- P.60 Carteni A. (2017). A new look in designing sustainable city logistics road pricing schemes. *WIT Transactions on Ecology and the Environment*, vol. 223. *Proceeding of 12th International Conference on Urban Regeneration and Sustainability - Sustainable City 2017*, 18 - 20 September, Seville, Spain. WIT Press, Southampton, UK; pp. 171-181. ISBN: 978-1-78466-217-2. ISSN 1743-3541 (on-line). doi: 10.2495/SC170151.
- P.61 Carteni A., Cascetta E., Henke, I. (2017). Acceptance and equity in advanced path-related road pricing schemes. *5th IEEE International Conference on Models And Technologies For Intelligent Transportation Systems*; Naples, Italy, June 26-28.
- P.62 Carteni A., Henke, I. (2017). External costs estimation in a cost-benefit analysis: the new Formia-Gaeta tourist railway line in Italy. *17th IEEE International Conference on Environment and Electrical Engineering*; Milano, Italy, June 6-7.
- P.63 Carteni A., Henke I. (2017). Public transport quality and travel experience: the Italian case study. *6TH EURASIAN MULTIDISCIPLINARY FORUM, EMF 2017*; Vienna, Austria April 27-28. ISBN 978-608-4642-58-9

- P.64 A. Carteni (2016). Particulate matter concentrations in urban metro systems: Case studies and a literature review. IEEE 16th International Conference on Environment and Electrical Engineering (EEEIC), Florence, pp. 1-6; doi: 10.1109/EEEIC.2016.7555579
- P.65 Carteni A., De Guglielmo M.L., Pascale N., Calabrese, M. (2017); The sustainable urban mobility plan (SUMP) of Naples: an example of a rational and participated transportation planning process; proceeding del convegno XXIII International Conference "Living and Walking in Cities" - 15 - 16 June 2017, Brescia (Italy).
- P.66 Carteni, A., Henke I. (2016); Environmental implications deriving from a renewing of freight vehicles affecting the container terminals: an Italian case study. Recent Advances in Energy, Environment and Financial Science; Proceedings of the 12th International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD '16), pp. 153-159. ISSN: 978-1-61804-361-0.
- P.67 Carteni, A., Galante G., Henke I. (2014). The catchment area of an high architectural railways station: a case study in Italy. WIT Transactions on the Built Environment, 135; pp. 463 – 474. doi:10.2495/CR140381
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