

# Europass curriculum vitae

## Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

Fax(es)

E-mail(s)

Nationality(-ies)

Date of birth

Gender

**Carotenuto Pasquale**

+39 06 49934903

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carotenuto@iac.cnr.it

Italian

## Occupational field

**Research Area - Operational Research on:**

**1. Transportation**

**2. Logistics**

**3. Production Systems**

## Work experience

Dates

Since May 2006 to now

Occupation or position held

Technologist

Main activities and responsibilities

Research, research projects management and technological support.

Name and address of employer

National Research Council - Istituto per le Applicazioni del Calcolo "M. Picone" of Rome  
19, Via dei Taurini - 00185 Rome

Type of business or sector

Research

Dates

Year 2010

Occupation or position held

Scientific Leader

Main activities and responsibilities

Scientific Leader of the CNR-IAC Research Unit in the research project "AQUASER Project: optimize the transfer of sewage sludge and organic waste from water treatment plants to composting plants" (IAC-Consorzio INNOVA)

Name and address of employer

Consiglio Nazionale delle Ricerche Dipartimento Energia e Trasporti - Piazzale Aldo Moro 7 -  
00185 Roma

Type of business or sector

Research

Dates

Since February 2009

Occupation or position held

CNR Delegate

Main activities and responsibilities

Appointed CNR delegate for "Committee for the arrangement of the technical norms in the road sector of the Infrastructures and the Transports Office" - Appointment of Energy and Transport CNR-Department prot. DET83/varie/09 del 9/2/2009

Name and address of employer

National Research Council - Istituto per le Applicazioni del Calcolo "M. Picone" of Rome  
19, Via dei Taurini - 00185 Rome

Type of business or sector

Research

Dates

Since July 2007 until 2010

Occupation or position held	Scientific Committee Member
Main activities and responsibilities	Scientific Committee Member of the NUBADI ATS for the NU.BA.DI Project "New areas of employment" appointed by the Director of Istituto per le Applicazioni del Calcolo "M. Picone" prot. n. 0000748 del 17/07/2007
Name and address of employer	National Research Council - Istituto per le Applicazioni del Calcolo "M. Picone" of Rome 19, Via dei Taurini – 00185 Rome
Type of business or sector	Research
Dates	Year 2008
Occupation or position held	Scientific Leader
Main activities and responsibilities	Scientific Leader of the CNR-IAC Research Unit in the research project "GeneticDaRP: Dial a ride transport system based on genetic algorithms an insertion heuristics" (IAC-Pluservice)
Name and address of employer	National Research Council - Istituto per le Applicazioni del Calcolo "M. Picone" of Rome 19, Via dei Taurini – 00185 Rome
Type of business or sector	Research
Dates	Since August, 2002 until December 2012
Occupation or position held	Expert
Main activities and responsibilities	Inserted in the Project Referee list of MIUR - Ministry of Education, University and Research - of under art. 7, paragraph 1, of the legislative decree July 27, 1999, n. 297.
Name and address of employer	Ministry of Education, University and Research Viale Trastevere 76/a - 00153 Roma
Type of business or sector	Research
Dates	Years 2008/09; 2009/2010; 2010/2011; 2011/2012; 2012/2013
Occupation or position held	Contract Professor
Main activities and responsibilities	Course on "Design and Simulation of Production and Service Systems" (5/10 cfu) second level Degree in Management Science
Name and address of employer	Università di Roma "Tor Vergata" Dipartimento di Ingegneria dell'Impresa – viale del Politecnico 1 - 00133 Roma
Type of business or sector	Academic Teaching
Dates	Year 2008/09; 2009/2010, 2010/2011; 2011/2012
Occupation or position held	Contract Professor
Main activities and responsibilities	Course on "Computer Science" (9 cfu), first level Degree in Statistics and Economy
Name and address of employer	University of Roma "La Sapienza" - Faculty of Statistics - P.le Aldo Moro 5 - 00185 Rome
Type of business or sector	Academic Teaching
Dates	Years 2002/03; 2003/04; 2004/05, 2005/06; 2006/07; 2007/08
Occupation or position held	Contract Professor
Main activities and responsibilities	Course on "Design and Simulation of Service Systems" (5 cfu), second level Degree in Management Science
Name and address of employer	University of Rome "Tor Vergata" Department of Enterprise engineering– viale del Politecnico 1 - 00133 Rome
Type of business or sector	Academic Teaching
Date	Years 2004/05, 2005/06; 2006/07; 2007/08
Occupation or position held	Contract Professor
Main activities and responsibilities	Course on "Introduction to Computer Science and Computer Science " (7 cfu), first level Degree in Statistics and Economy
Name and address of employer	University of Roma "La Sapienza" - Faculty of Statistics - P.le Aldo Moro 5 - 00185 Rome
Type of business or sector	Academic Teaching

Dates	Year 2003/04
Occupation or position held	Contract Professor
Main activities and responsibilities	Course on "Computer science" (4 cfu), first level Degree in Statistics and Economy
Name and address of employer	University of Roma "La Sapienza" - Faculty of Statistics - P.le Aldo Moro 5 - 00185 Rome
Type of business or sector	Academic Teaching
Dates	Year 2007/2008
Occupation or position held	Professional appointment
Main activities and responsibilities	Teaching in the IFTS course "High technician on Supply Chain Integrated Management" financed by Lazio Region and European Union, course module on "Project Work: logistics"
Name and address of employer	Accademia Informatica S.r.l. - Viale Città d'Europa, 39 - 00144 Roma
Type of business or sector	Teaching
Dates	Year 2007/2008
Occupation or position held	Professional appointment
Main activities and responsibilities	Teaching in the IFTS course "High technician in the Integrated Logistics" financed by Lazio Region and European Union, course module on "Business Process Re-Engineering"
Name and address of employer	Sediin s.p.a. Via Icilio, 14 - 00153 Roma
Type of business or sector	Teaching
Dates	Year 2007/2008
Occupation or position held	Professional appointment
Main activities and responsibilities	Teaching in the "Course of specialization for the activity of employee to the supply chain: logistics and supply" course module in "Software applications and basics on computer science" financed by the Lazio Region.
Name and address of employer	ADACI – Italian association on Supplying Management - Viale Ranzoni, 17 - 20149 Milan
Type of business or sector	Teaching
Dates	Years 2005/2006, 2006/2007, 2008/2009
Occupation or position held	Contract Professor
Main activities and responsibilities	Teaching within the Master on "Management of the sustainable mobility", course: "The Phenomenon: Actors, Models, Data and Analysis".
Name and address of employer	University of Roma "La Sapienza" - Faculty of Statistics - P.le Aldo Moro 5 - 00185 Rome
Type of business or sector	Academic Teaching
Dates	Year 2005/2006
Occupation or position held	Contract Professor
Main activities and responsibilities	Teaching within the Master on "Engineering of the networked systems"
Name and address of employer	University of Rome "Tor Vergata" Department of Enterprise engineering– viale del Politecnico 1 - 00133 Rome
Type of business or sector	Academic Teaching
Dates	Years 2001/2002, 2002/2003, 2003/2004, 2004/2005, 2005/2006
Occupation or position held	Contract Professor
Main activities and responsibilities	Integrative teaching to the course of "Database"
Name and address of employer	University of Roma "La Sapienza" - Faculty of Statistics - P.le Aldo Moro 5 - 00185 Rome
Type of business or sector	Academic Teaching
Dates	Years 2003/2004, 2004/2005, 2005/2006, 2006/2007
Occupation or position held	Tutor
Main activities and responsibilities	Teaching support within the Master of first level in "Statistic for the Informative Systems Management" "

Name and address of employer	University of Roma "La Sapienza" - Faculty of Statistics - P.le Aldo Moro 5 - 00185 Rome
Type of business or sector	Academic Teaching
Dates	2003
Occupation or position held	Professional appointment
Main activities and responsibilities	Teacher in the IFTS Regional Course "Integrated logistics for the maintenance of technologically advanced repairable systems" financed by the Lazio Region. Course module on "Management of transportation systems"
Name and address of employer	High school Istituto Tecnico Industriale Statale "Enrico Fermi" - Via Cesare Minardi - 00044 Frascati (Roma)
Type of business or sector	Teaching
Dates	Since December 2001 until December 2006
Occupation or position held	Technologist
Main activities and responsibilities	Research, research projects management and technological support.
Name and address of employer	National Research Council – Institute of Industrial Technologies and Automation of Milano 20/A, Viale Lombardia – 20131 Milano
Type of business or sector	Research
Dates	Since July 2001
Occupation or position held	Scientific leader
Main activities and responsibilities	Scientific leader of the operational unit CNR-ITIA for the research project "The telematic support in the distribution networks"(CNRC00AF27_003, 2001).
Name and address of employer	National Research Council 7, Piazzale Aldo Moro – 00185 Roma
Type of business or sector	Research
Dates	Since January 2000 until December 2001
Occupation or position held	Technologist
Main activities and responsibilities	"Research activity and management of ongoing or next activation project to European level; technological transfer of the results achieved in the projects developed by the ITIA; management of a territorial informative network to support the working group activities joint to the institute and displaced on the national territory, so that to allow an easier and effective interconnection among the groups."
Name and address of employer	National Research Council – Institute of Industrial Technologies and Automation of Milano 20/A, Viale Lombardia – 20131 Milano
Type of business or sector	Research
Dates	1999
Occupation or position held	Professional appointment
Main activities and responsibilities	Teaching in the course "Planner and manager of the local public transport and info mobility"
Name and address of employer	ALFOR-CGIL – via Buonarroti,12 – 00185 Roma
Type of business or sector	Training
Dates	1999
Occupation or position held	Professional appointment
Main activities and responsibilities	Course manager. Title: " Planner and manager of the local public transport and info mobility"
Name and address of employer	ALFOR-CGIL – via Buonarroti,12 – 00185 Roma
Type of business or sector	Training
Dates	1997 Professional appointment
Occupation or position held	Research Project Referee
Main activities and responsibilities	Appointed Research Project Referee for the following research contract: "A methodology of accidents analysis in relationship to single-hit points of the road layout", executed by Elasis S.C.p.A., contract n° 97.00363.PF74

Name and address of employer	National Research Council – Special Project on Transportation Research 7, Piazzale Aldo Moro – 00185 Roma
Type of business or sector	Research
Dates	1997 Professional appointment
Occupation or position held	Research Project Referee
Main activities and responsibilities	Appointed Research Project Referee for the following research contract: "Operations system aid and decisions support to the urban traffic control system operators", executed by Softeco Sismat S.p.a., contract n° 97.00316.PF74
Name and address of employer	National Research Council – Special Project on Transportation Research 7, Piazzale Aldo Moro – 00185 Roma
Type of business or sector	Research
Dates	1997 Professional appointment
Occupation or position held	Research Project Referee
Main activities and responsibilities	Appointed Research Project Referee for the following research contract: "Mathematical model to estimate the impact on the transportation system determined by the development of the international sea trade focused on the Italian harbours", executed by TTA - Trasporti Territorio e Ambiente s.r.l., contract n° 97.00354.PF74
Name and address of employer	National Research Council – Special Project on Transportation Research 7, Piazzale Aldo Moro – 00185 Roma
Type of business or sector	Research
Dates	1997 Professional appointment
Occupation or position held	Research Project Referee
Main activities and responsibilities	Appointed Research Project Referee for the following research contract: "Definition and prototype of a computer structure to support the integration of tools for the organization, the analysis, the simulation, the filtration and the dissemination of value added information related to the urban transport", executed by Consorzio Milano Ricerche, contract n° 97.00358.PF74
Name and address of employer	National Research Council – Special Project on Transportation Research 7, Piazzale Aldo Moro – 00185 Roma
Type of business or sector	Research
Dates	1996 Professional appointment
Occupation or position held	Research Project Referee
Main activities and responsibilities	Appointed Research Project Referee for the following research contract: "Aid system to the operations and decisions support to the operators of the urban traffic control system ", executed by Softeco Sismat S.p.a., contract n° 96.00155.74.
Name and address of employer	National Research Council – Special Project on Transportation Research 7, Piazzale Aldo Moro – 00185 Roma
Type of business or sector	Research
Dates	1996 Professional appointment
Occupation or position held	Research Project Referee
Main activities and responsibilities	Appointed Research Project Referee for the following research contract: "Mathematical model to estimate the impact on the transportation system determined by the development of the international sea trade focused on the Italian harbors", executed by TTA - Trasporti Territorio e Ambiente s.r.l., contract n° 96.00204.74
Name and address of employer	National Research Council – Special Project on Transportation Research 7, Piazzale Aldo Moro – 00185 Roma
Type of business or sector	Research
Dates	1996 Professional appointment
Occupation or position held	Research Project Referee
Main activities and responsibilities	Appointed Research Project Referee for the following research contract: "Monitoring and control systems of the motorway traffic: elements of evaluation and integrated architectures", executed by CSST - Centro Studi sui Sistemi di Trasporto S.p.a., contract n° 96.00188.74
Name and address of employer	National Research Council – Special Project on Transportation Research 7, Piazzale Aldo Moro – 00185 Roma

Type of business or sector	Research
Dates	Since May, 1995 until December 1999
Occupation or position held	Technologist
Main activities and responsibilities	Management and control of the contracts related to the research activities of the Special Project on Transportation 2 with particular reference to the researches related to the Sub-projet 1: Government of the mobility and tools for transport planning.
Name and address of employer	National Research Council – Special Project on Transportation Research 7, Piazzale Aldo Moro – 00185 Roma
Type of business or sector	Research
Dates	Since July 1994 yearly professional appointment
Occupation or position held	Managerial Staff
Main activities and responsibilities	Evaluation of environmental impact and comparative analysis of the methodologies proposed in literature and consequent orientation of the PFT2 research.
Name and address of employer	National Research Council – Special Project on Transportation Research 7, Piazzale Aldo Moro – 00185 Roma
Type of business or sector	Research
Dates	Since December 1992 yearly professional appointment
Occupation or position held	Managerial Staff
Main activities and responsibilities	Review and comparison of planning models and tools used by the transportation agency for the operation planning
Name and address of employer	National Research Council – Special Project on Transportation Research 7, Piazzale Aldo Moro – 00185 Roma
Type of business or sector	Research
Dates	Since September 1991 yearly professional appointment
Occupation or position held	Managerial Staff
Main activities and responsibilities	Review and comparison of evaluation methods of the customers services offer in terms of productivity and effectiveness related to the transport subsystems to several territorial level.
Name and address of employer	National Research Council – Special Project on Transportation Research 7, Piazzale Aldo Moro – 00185 Roma
Type of business or sector	Research
Dates	
Occupation or position held	
Main activities and responsibilities	
Name and address of employer	
Type of business or sector	

## Education and training

Dates	Year 2002
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	on: "Building XML-Based Web Applications"
Name and type of organisation providing education and training	PCS srl. - Certified Technical Education Centres
Level in national or international classification	National
Dates	Year 2001
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	on: "MS Visual Basic 6.0 – Advanced Development of Desktop Application"

Name and type of organisation providing education and training	PCS srl. - Certified Technical Education Centres
Level in national or international classification	National
Dates	Year 2001
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	on: "Advanced Development of Interactive Web (ASP, JAVA Script, DHTML, and XML) "
Name and type of organisation providing education and training	PCS srl. - Certified Technical Education Centres
Level in national or international classification	National
Dates	Year 1998
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	on "Front Page '97"
Name and type of organisation providing education and training	PCS srl. - Certified Technical Education Center
Level in national or international classification	National
Dates	May 1998
Title of qualification awarded	International Educational course
Principal subjects/Occupational skills covered	Title: "Advanced Methods for Planning and Management of Transportation Networks"
Name and type of organisation providing education and training	Italian National Research Council PFT2 – Special Project on Transportation 2, University of Napoli "Federico II" e University of Roma "Tor Vergata"
Level in national or international classification	International
Dates	December 1997
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	Title: " Logistics of the production and the distribution"
Name and type of organisation providing education and training	AIRO - Italian Association of Operation Research and University of Ancona
Level in national or international classification	National
Dates	September 1996
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	Title: " Algorithms and optimization models"
Name and type of organisation providing education and training	AIRO - Italian Association of Operation Research, University of Ancona and University of Camerino
Level in national or international classification	National
Dates	December 1996
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	Title: " Logistics on computers for the production planning in the small and medium enterprises"
Name and type of organisation	AIRO - Italian Association of Operation Research and University of Ancona

providing education and training	
Level in national or international classification	National
Dates	Year 1995
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	On: "Updating course on Windows '95"
Name and type of organisation providing education and training	Book srl –Pisa - Certified Technical Education Centres
Level in national or international classification	National
Dates	Year 1995
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	On: "Updating course on CA Visual Object"
Name and type of organisation providing education and training	Metodi srl – Milano - Technical Education Centres and Software House
Level in national or international classification	National
Dates	Year 1995
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	Title. "Intensive course on Operations Research"
Name and type of organisation providing education and training	Università of Venezia - Auronzo
Level in national or international classification	National
Dates	Year 1994/95
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	English educational course (3rd level).
Name and type of organisation providing education and training	Istituto Accademia Britannica - International House
Level in national or international classification	National-International
Dates	Year 1994
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	Title: "Multiattribute Analysis: methods, software, applications"
Name and type of organisation providing education and training	Politecnico di Milano
Level in national or international classification	National
Dates	Year 1993
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	Title: "The administration of the public spending and the efficiency of the services: innovative methods of planning, design and management"
Name and type of organisation providing education and training	Institute of Systems Analysis and Computer Science of Italian National Research Council



Level in national or international classification	National
Dates	Year 1992
Title of qualification awarded	Educational course
Principal subjects/Occupational skills covered	Title: "Communications, transports and government of the mobility: models, methods and decisions support tools".
Name and type of organisation providing education and training	Institute of Systems Analysis and Computer Science of Italian National Research Council
Level in national or international classification	National
Dates	Year 1990
Title of qualification awarded	Qualification to the exercise of the engineer profession.
Principal subjects/Occupational skills covered	Engineer
Name and type of organisation providing education and training	University of Napoli "Federico II"
Level in national or international classification	National
Dates	May 1990
Title of qualification awarded	Confer a Master degree
Principal subjects/Occupational skills covered	Civil Engineering and Transportation
Name and type of organisation providing education and training	University of Napoli "Federico II"
Level in national or international classification	National

**Personal skills and  
competences**

Mother tongue(s)

Other language(s)

*Self-assessment*

*European level (\*)*

**English**

**Italian**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Good	Good	Good	Good	Good

*(\*) Common European Framework of Reference (CEF) level*

## Additional information

### Participation in European Project:

- FANTASIE Project (4FP/DGVII - Contract n° ST- 96-AM-1109)- Forecasting and Assessment of new Technologies and Systems and their impacts on the Environment - DGVII - 4th Framework Program.
- MAIN-E Project (5FP/Growth), Networked negotiation platform for manufacturing and logistics integrated planning and control in SME multi-enterprise environment (MAIN E), EEE Domain.
- E-MMEDIATE Project (5FP/IST), Electronic Managing of Product Manufacturing Engineering, Design and Investment Applying Information Technology for SMEs, EEE Domain.

### Project preparation to submit in the 7 Framework Program:

- JUMP Project (Call FP7-ICT-2009-6 Small or medium-scale focused research project -STREP- proposal), Joint Urban Mobility Platform.
- SECURBIKE Project (Call FP7-SME-2010-1 Activity 2.1 Research fore SMEs), Safe bike in sustainable multimodal adaptive mobility system.
- EACH-p Project (Call FP7-ICT-2011-7 Small or medium-scale focused research project -STREP- proposal), Environmentally Aware Coordinated Hyper Platform.
- CONNBIKE Project (Call FP7-SME-2011-1 Activity 2.1 Research fore SMEs), Connected bike system for a multimodal sustainable mobility approach.

### Participation in National Project:

- PILOT-ICT Project (FAR), "New integrated logistics frame work based on ICT and distributive decision system. Coordinated by TNT Logistics-S.p.A.
- TMP Project (CNR-GNDRCIE), "Risk Evaluation of hazardous materials transportation using techniques of multicriteria analysis. Research partners University di Roma "Tor Vergata" e Università di Roma "La Sapienza".

## Research Activity and Publication

### *Technical Reports (Italian language)*

[RT1] Carotenuto P., "Studio e confronto dei vari metodi di valutazione dell'offerta di servizi in termini di produttività ed efficacia applicabile ai sottosistemi di trasporto alle varie scale territoriali", Progetto Finalizzato Trasporti, Settembre 1992.

[RT2] Carotenuto P., "Rassegna e confronto di modelli e strumenti per la pianificazione utilizzati dalle aziende di trasporto per la definizione e la programmazione dell'esercizio", Progetto Finalizzato Trasporti, Dicembre 1993.

[RT3] Carotenuto P., "Valutazione di impatto ambientale e analisi comparativa delle metodologie proposte in letteratura e conseguente orientamento della ricerca del PFT2" Progetto Finalizzato Trasporti, Luglio 1995.

[RT4] Carotenuto P., Delle Site V., Mecco P., "Sistemi di supporto alle decisioni: i modelli multicriteriali", Appunti per il Seminario "Sistemi di supporto alle decisioni: Tecniche di analisi Multicriteriali" Corso "Principi e metodologie della progettazione meccanica" tenuto dal Prof. U. Pighini, Università di Roma "La Sapienza, Facoltà di Ingegneria, Maggio 1999.

[RT5] Carotenuto P., Cis C., Rismondo S., Storchi G., " Hybrid genetic algorithm to approach the DaRP in a demand responsive passenger service", Dipartimento Statistica, Probabilità, Statistica Applicata, Università degli Studi di Roma "La Sapienza" Rapporto Tecnico n.9, 2006

### *National Publication (Italian language)*

[A1] Bielli M., Carotenuto P., Delle Site V., Reverberi P., "La ricerca in Italia sulle interazioni trasporti/ambiente", ATS '93 "Automazione e sistemi di trasporto" Atti del Convegno, Trieste, 1993.

[A2] Carotenuto P. e Nuzzolo A., "Strumenti e metodi per la pianificazione", in

Ricerca e futuro, n.7, marzo, 1998.

[A3] Bielli M., Caramia M., Carotenuto P., "An Advanced Heuristic For Bus Network Optimization", AIRO Annual Conference, Treviso, Italia, 23-25 Settembre, 1998.

[A4] Carotenuto P., Gastaldi M., La Bella A., Levialdi N., "Analisi delle prestazioni nelle aziende di trasporto pubblico mediante la data envelopment analysis", in Migliorare la qualità dei servizi per soddisfare le crescenti aspettative dei clienti, a cura di L. Negri, Atti del Convegno Internazionale, Collana Prometeo, Nuovo Studio Tecna, Roma 1998.

[A5] Bellei G., Cagnoli M., Carotenuto P., "Un approccio gerarchico al progetto di rete di trasporto collettivo", in Metodi e tecnologie dell'ingegneria dei trasporti Seminario 2001, a cura di Giulio E. Cantarella e Francesco Russo, Collana Trasporti, editore Franco Angeli, Milano, pp. 97-116, 2003.

[A6] Carotenuto P., Cis C., Rismondo S., Storchi G., "Un'architettura a due livelli per un servizio di trasporto a chiamata"- prima parte. MobilityLab, 16, 2007, pp 34-38.

[A7] Carotenuto P., Cis C., Rismondo S., Storchi G., "Un'architettura a due livelli per un servizio di trasporto a chiamata"- seconda parte. MobilityLab, 17, 2007, pp 33-35.

### ***International Technical Reports***

- FANTASIE Project (4FP/DGVII - Contract n° ST- 96-AM-1109) - Forecasting and Assessment of new Technologies and Systems and their impacts on the Environment - DGVII - 4th Framework Program.

[RR1] Carotenuto P., Gentile C and Landolfi O., "Impact Assessment Tools – Assessment Category: Efficiency", Report in Deliverable 6 "Appraisal of Impact Evaluation Methods", FANTASIE Project, Directorate General for Transport (DGVII) of the European Commission, Contract n° ST- 96-AM-1109, 1997

[RR2] Carotenuto P., Delle Site P., Gentile C., Landolfi O. and Pascucci M., Deliverable D17 "Efficiency impacts and benefits of new transport systems", FANTASIE Project, Directorate General for Transport (DGVII) of the European Commission, Contract n° ST-96-AM-1109, 1999.

- MAIN-E Project (5FP/Growth -G1RD-CT-2000-00284) – Networked negotiation platform for manufacturing and logistics integrated planning and control in SME multi-enterprise environment - EEE Domain - GROWTH - 5th Framework Program

- E-MMEDIATE Project (5FP/IST-2001-35104)– Managing Electronic Product Manufacturing Engineering, Design and Investment Applying Information Technology for SMEs - EEE Domain - IST - 5th Framework Program

### ***International Publication***

[B1] Bielli M., Carotenuto P., Gastaldi M., Multicriteria evaluation of integrated urban traffic management system, Actes de la deuxième conference du groupe de travail euro sur la gestion du trafic et les transports, Actes Inrets n°38, Paris 1993.

[B2] Bielli M., Carotenuto P., Gastaldi M., Multicriteria evaluation model of public transport networks, Tristan II - Triennial Symposium on Transportation Analysis, CNR-PFT2, CNR-IASI, AIRO, Preprints Vol.I, Capri, Italy, 1994.

[B3] Carotenuto P., Delle Site V., Landolfi O., Comparative Analysis of Advanced Propulsion System for Electric Vehicles, presentato alla "7th World Conference on Transportation Research", Sydney, Australia, 16-21 luglio 1995.

[B4] Bielli M., Carotenuto P., Delle Site V., Landolfi O., Multicriteria Analysis of Electric Propulsion System for Passenger Cars, proceedings of 3th EURO Working Group on the Urban Traffic and Transportation, Barcellona, Spagna, 27-29 September, 1995.

- [B5] Carotenuto P., Delle Site V., Landolfi O., Multicriteria Analysis of Electric Propulsion System for Passenger Cars, EVT '95 Proceedings, Parigi, 13-15 novembre 1995.
- [B6] Bielli M., Carotenuto P., Gastaldi M., Multicriteria Analysis and Urban Decision Making: the evaluation of traffic networks, IFORS 96 Conference, Vancouver, Canada, July, 1996.
- [B7] Bielli M., Carotenuto P., Gastaldi M., Multicriteria evaluation model of public transport networks, in Advanced Methods in Transportation Analysis, L. Bianco & P. Toth eds., Springer, Berlin, 1996.
- [B8] Bielli M., Carotenuto P., Gentile C. and Landolfi O., Technology Assessment Methods of Urban Transportation Systems, 5th Meeting of the EURO Working Group on Transportation, Budva, Yugoslavia, September, 1997
- [B9] Carotenuto P., Coffari A., Gastaldi M., Levialdi N., "Analysing transportation public agencies performance using data envelopment analysis", IFAC Transportation Systems, Chania, Greece, p. 655-660, 1997.
- [B10] Ambrosino G., Sassoli P., Bielli M., Carotenuto P., Romanazzo M., "A modeling framework for impact assessment of urban transportation systems", IFAC Transportation Systems, Chania, Greece, p. 989-993, 1997.
- [B11] Bielli M., Carotenuto P., Delle Site V., "Advanced Research on Transport-environment interactions", IFAC Transportation Systems, Chania, Greece, p. 981-988, 1997.
- [B12] Bielli M., Carotenuto P., Genetic Algorithms in Bus Network Design Optimization, proceedings TRISTAN III Conference, Portorico, giugno 1998.
- [B13] Bielli M., Carotenuto P., A New Approach for Transport Network Design and Optimization, 38th ERSAC Congress, Vienna, Agosto 1998.
- [B14] Bielli M. Carotenuto P. and Gentile C. Application of technology forecasting methods to transportation systems 6th Meeting of the EURO Working Group on Transportation, Göteborg (Gothenburg), Sweden, 9 - 11 September 1998.
- [B15] Carotenuto, P. Caramia M. and Confessore G. "An iterative scheme for bus networks optimization", 6th Meeting of the EURO Working Group on Transportation, Göteborg (Gothenburg), Sweden, 9 - 11 September 1998.
- [B16] Bielli M., Carotenuto P. and Crisalli U. Trends in traffic and transportation systems modelling, 6th Meeting of the EURO Working Group on Transportation, Göteborg (Gothenburg), Sweden, 9 - 11 September 1998.
- [B17] Bielli M., Carotenuto P., Delle Site V., "Transport and environment interactions: the Italian framework", Transp. Res. D, Vol. 3, n. 6, 389-397, 1998.
- [B18] Caramia M., Carotenuto P., Confessore G. "Hybrid Heuristic Approaches for Bus Network Optimization: a comparison", 11th Mini-EURO Conference on "Artificial Intelligence in Transportation Systems and Science" and 7th EURO-Working Group Meeting on Transportation, Helsinki, Finland, 2 - 6 August 1999.
- [B19] Ambrosino G., Sassoli P., Bielli M., Carotenuto P., Romanazzo M., "A modeling framework for impact assessment of urban transport systems", Transp. Res. D, Vol 4, n. 4, 73-79, 1999.
- [B20] Bielli M., Carotenuto P., Roina A., The Italian Research on Energy Saving and Environment Protection Problems, Modeling and Management in Transportation Conference, Poznan and Cracow, Poland, 12-16 October 1999.
- [B21] Carotenuto P., Galati G., Roina A., Advanced Video-Based Surveillance Systems: Italian Research in the National Project on Transportation, Modeling and Management in Transportation Conference, Poznan and Cracow, Poland, 12-16 October 1999.
- [B22] Bielli M., Carotenuto P., Software Tools for Decision Support Systems in Transportation: an Overview of the Italian Research, Modeling and Management

in Transportation Conference, Poznan and Cracow, Poland, 12-16 october 1999.

[B23] Carotenuto P., Roina A., "Urban Trasport and the Environment: Italian Case Studies", in URBAN TRASPORT V: Urban transport and the Environment for the 21st Century, L. J. Sucharov (Editor), WIT Press, Southampton, Boston, pp. 23-32, 2000

[B24] Bielli M., Carotenuto P., Confessore G. "New Hybrid Approach for Transport Network Design", in New Frontiers in Spatial Economics and Modelling, eds. A. Reggiani, Springer-Verlag, Berlin-Heidelberg, pp. 401-418, 2000.

[B25] Bellei G., Cagnoli M., Carotenuto P., "A multilevel approach to transit network design" in Bielli M., Carotenuto P. (eds.), Proceedings of the Rome Jubilee 2000 Conference "Improving knowledge and tools for transportation and logistics development", Faculty of Engineering, "La Sapienza" University of Rome, Rome, pp.279-289, 2000.

[B26] Bielli M., Carotenuto P. (eds.), Proceedings of the Rome Jubilee 2000 Conference "Improving knowledge and tools for transportation and logistics development, Faculty of Engineering, "La Sapienza" University of Rome, Rome, Italy, 2000.

[B27] Bielli M., Carotenuto P., "Genetic algorithms and Transportation Analysis: Review and perspectives for Bus Network Optimization", in M. Gastaldi and A. Reggiani (eds.) New Analitical Advances in Transportation and Spatial Dynamics, Ashgate, Aldershot, pp. 21-34, 2001.

[B28] Avai A., Boer C.R., Carotenuto P., Confessore G. and Fornasiero R. "A performance indicators model for the supply chain", in K.S.Pawar and M.Muffatto (eds.) Logistics and the Digital Economy, Proceedings of the 6th International Symposium on Logistics (Univ. of Nottingham, UK), pp. 315 – 320, 2001.

[B29] Carotenuto P., Colarieti A., Confessore G. "Scheduling Hazardous Material Shipments", in C.A.Brebbia (ed.) Third International Conference on Computer Simulation in Risk Analysis and Hazard Mitigation (WIT press), 277 – 286, 2002.

[B30] Avai A., Boer C.R., Carotenuto P., Confessore G. and Fornasiero R. "A decentralized performance measurement system for supply chain", in L.M. Camarinha-Matos (ed.) Collaborative business ecosystems and virtual enterprise, (Kluwer Academic publishers), 621 – 628, 2002.

[B31] Carotenuto P., Confessore G., Ferraro Petrillo U.. "A Framework for the Integration of Decision Support Systems", in T.G. Crainic and B.Gavish (eds.) Proceedings of Fifth International Conference on Electronic Commerce Research ICECR-5 (CD-ROM), 2002.

[B32] Caramia M., Carotenuto P., Giordani S., Iovanella A., "Using Rejection Methods In a DSS for Production Strategies", in Proceedings of BASYS 2002 Conference, pp. 419-426, 2002.

[B33] Bielli M., Caramia M., Carotenuto P., Genetic Algorithms in Bus Network Optimization, in Transp. Res. C, 10, pp. 19-34, 2002.

[B34] Carotenuto P., Colarieti A., Confessore G., "An integrated model for the productiondistribution operational planning", in K.S.Pawar and M.Muffatto (eds.) Logistics and Networked Organisations, Proceedings of the 8th International Symposium on Logistics (Univ. of Nottingham, UK), 147 - 155, 2003.

[B35] Benedetti L., Carotenuto P., Fornasiero R., Zangiacomi A., "Approaching B2B for SMEs in the footwear sector", in K.S.Pawar and M.Muffatto (eds.) Logistics and Networked Organisations, Proceedings of the 8th International Symposium on Logistics (Univ. of Nottingham, UK), 349 - 355, 2003.

[B36] Carotenuto P., Giordani S., Rismondo S., "A Tabu Search Approach for Scheduling Hazmat Shipments", in proceedings of Tristan V - Triennial Symposium on Transportation Analysis, Guadalupe (Francia), June 13-18, 2004.

[B37] Carotenuto P., Galiano G., Giordani G., Ricciarelli S., "Finding Spatially Dissimilar Paths for HazMat Shipments", in proceedings of Tristan V - Triennial Symposium on Transportation Analysis, Guadalupe (Francia), June 13-18, 2004.

[B38] Carotenuto P., Galiano G., Giordani S., "A Metaheuristic Approach for Hazardous Materials Transportation", in: D. Ahr et al. (eds.), Operations Research Proceedings 2003, Springer- Verlag, (2004), 119-126.

[B39] Carotenuto P., Galiano G., Giordani S., "Finding dissimilar efficient routes for HazMat shipment". Advanced OR and AI Methods in Transportation, Jaskiewicz, A.; Kaczmarek, M.; Zak, J.; Kubiak, M. (Eds.), p. 347-352, Publishing Houser of Poznan University of Technology – Poznan, Poland, 2005.

[B40] Carotenuto P., C. Cis And Storchi G., "Hybrid genetic algorithm to approach the DaRP in a demand responsive passenger service", "INFORMATION CONTROL PROBLEMS IN MANUFACTURING 2006" Proceedings of the 12th IFAC International Symposium, Elsevier Science, ISBN: 978-0-08-044654-7, v.3 pp.349-354, 2006.

[B41] Carotenuto P., Giordani S. and Ricciarelli S. "Finding Minimum and Equitable Risk Routes for HazMat Shipments". Computers & Operational Research, 34, 5, 2007, 1304-1327.

[B42] Carotenuto P., Giordani S., Ricciarelli S. and Rismondo S. "A Tabu Search Approach for Scheduling Hazmat Shipments". Computers & Operational Research, 34, 5, 2007, 1328-1350.

[B43] P. Carotenuto, G. Galiano, S. Giordani and G. Stecca "A Hybrid Meta-Heuristic Approach for Customer Service Level in the Vehicle Routing Problem With Time Windows", Proceedings of the XIV Latin Ibero-American Congress on Operations Research (CLAIO 2008), settembre 2008.

[B44] Carotenuto P., C. Cis, S. Rismondo and Storchi G., "Innovative flexible services for people transportation". Proceedings of XIII Meeting of the EURO Working Group on Trasportation, Eds. R. Rossi, L. Della lucia and M. Gastaldi, Padova University Press, Proceedingd CD, paper n.84, 2009. ISBN 978-88-903541-4-4.

[B45] Carotenuto P., Serebriany A., Storchi G., "Flexible services for people transportation: a simulation model in a discrete events environment". Proceeding of 14<sup>th</sup> EURO Working Group on Transportation Meeting, 26<sup>th</sup> Mini EURO Conference, 1<sup>st</sup> European Scientific Conference on Air Transport. Procedia - Social and Behavioral Sciences, vol. 20, 2011, pp. 846-855.

[B46] Baldassarre M., Carotenuto P., Raponi G., "Dynamic simulation of a flexible transport system", 14th IFAC Symposium on Information Control Problems in Manufacturing, INCOM 2012 Conference, Identifier 10.3182/20120523-3-RO-2023.00108, Part n. 1, Volume n.14, 2012, pp. 315-320.

[B47] Carotenuto P., Monacelli D., Raponi G., Turco M., "A dynamic simulation model of a flexible transport services for people in congested area". Proceeding of 15<sup>th</sup> EURO Working Group on Transportation Meeting. Procedia - Social and Behavioral Sciences, Elsevier, <http://dx.doi.org/10.1016/j.sbspro.2012.09.755>, vol. 54, 2012, pp. 357-364.

### ***International Activity***

- Member of the International Program Committee, 8th Meeting of the Euro Working Group on Transportation: "Rome Jubilee 2000 Conference", 11-14 September 2000, Rome, Italy.

- Member of the International Program Committee, 9th Meeting of the Euro Working Group on Transportation: "Intermodality, Sustainability and Intelligent Transportation Systems" conference, 10-13 June 2002, Bari, Italy.

## Annexes