

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name **ALESSANDRINI, Adriano**

WORK EXPERIENCE

- Dates 01.11.2015 – Present
 - Name and address of employer Università degli Studi di Firenze
via di Santa Marta 3 – 50139 Firenze, Italia
 - Type of business or sector University – Research and Education
 - Occupation or position held Associate Professor
 - Main activities and responsibilities Teaching transport science and economics (Tecnica ed economia dei trasporti) and set-up and conduction of research projects
- 2020 ENEA “Electric System” national research programme
Demonstrating high voltage fast charging batteries on minibuses – designing and prototyping and installing on one of the UNIFI minibuses the power converter to operate a 72V traction system with 400V fast charging batteries and demonstrating its effectiveness
UNIFI interdepartmental team coordinator
- 2018 EC LIFE Programme
Life for Silver Coast –The main project goas is to demonstrate electric shared micromobility (boats, bikes, mopeds and microcars) in the Municipalities of Monte Argentario, Orbetello and Isola del Giglio.
Leads the UNIFI team in participating to transport service dimensioning and evaluation
- 2018-2019 ENEA “Electric System” national research programme
Demonstrating flash charging hybrid energy storage on minibuses – designing and prototyping and installing mixed ultracapacitor-batteries energy system; its flash charging (through contact with charged ultracapacitors)
UNIFI interdepartmental team coordinator
- 2017-2020 EC DG RESEARCH
Co-Exist –The main project goas is to develop tools and know how for road management authorities to manage the transition toward fully automated vehicle use mixed with manually driven ones. The project needs to include in simulation tools the different automated vehicle behaviours.
Bring to the project the automation philosophy of CityMobil2

- 2017-2018 ENEA “Electric System” national research programme
Energy consumption curve definition for electrically driven city buses – acquisition campaign definition and realisation and driving cycle and energy consumption data analysis
UNIFI team coordinator
- 2016-2018 EC DG RESEARCH
CARTRE (Coordination of Automated Road Transport deployment for Europe) – support action to coordinate the European efforts toward the implementation of fully automated road vehicles and transport systems.
Responsible of the new business model working paper
- 2012-2016 EC DG RESEARCH
CityMobil2 (Cities demonstrating cybernetic mobility) – 12 European cities competing to host 5 6-months demonstrator of automated road transport systems
Project coordinator and Evaluation Leader at European level

- Dates 18.05.2015 – Present
 - Name and address of employer Transportation Research Board of The National Accademies
500 Fifth Street NW – Washington, DC 20001
 - Occupation or position held Expert for the National Cooperative Highway Research Program Project Panel 20-102(02)
 - Main activities and responsibilities Definition of the research objectives, proposal evaluation and selection of the research team which carries the research “Impact of Transit System Regulations and Policies on CV/AV Technology Introduction” for the USDoT
- Dates 23.03.2015 – 24.04.2015
 - Name and address of employer EUROPEAN COMMISSION
Research Executive Agency
REA/C/03
 - Type of business or sector Research
 - Occupation or position held Expert
 - Main activities and responsibilities Proposal evaluation for evaluation of the proposals submitted in response to the CEF (Connecting Europe Facility) 2014 Transport Call.
- Dates 01.10.2010 – 31.10.2015
 - Name and address of employer Università degli Studi di Roma “La Sapienza”
Centre for transport and logistics
Via Eudossiana, 18 - 00184 Rome, Italy
 - Type of business or sector University – Research and Education
 - Occupation or position held Lecturer (Ricercatore)
 - Main activities and responsibilities To generate research grants and develop the following research projects

- 2012-present EC DG RESEARCH CITYMOBIL2 described above
- 2013-2015 EC DG CONNECT
VRA (Vehicle Road Automation) – support action to coordinate the European efforts toward the implementation of fully automated road vehicles and transport systems.
Leader of the Evaluation
- 2013-2014 ENEA-L'Aquila Municipality-L'Aquila public transport company
SMARTBUS L'Aquila – ICT development, installation and operation for an on demand bus service in L'Aquila city centre using an innovative dual mode vehicle
(www.smartbuslaquila.it)
Project coordinator
- 2013 ARVAL Italy
Definition of a methodology to quantify the costs of road accidents for the manager of long term rental fleets
Project coordinator
- 2012-2013 ENEA
SMART CITES –ICT to manage on demand bus service in the ENEA Campus Casaccia
Project coordinator
- 2011-2012 ENEA on Ministry of Development funds
SMART CITES –ICT to connect electric vehicles to infrastructures through smart-grid technologies. CTL fleet monitoring tools updating with Zig-Bee transmission technology and data pre-processing on board
Project coordinator
- 2009-2014 EC DG RESEARCH
CATS (City Alternative Transport System) – Feasibility study and demonstration of an innovative urban transport system made of small electric vehicles in Car-Sharing service becoming a tram in peak hours thanks to platooning techniques.
Coordinator at European level of the evaluation phase and responsible for the study and the demonstration in the Formello Municipality.
- 2008-2011 EC DG RESEARCH
CityNetMobil (CITY NETwork for fair MOBILity) - Dissemination event organisation to rise awareness of advanced transport systems based on automated road vehicles.
Project coordinator at European level
- 2010-2011 ENEA (Italian national research agency on energy and environment)
PEGASUS - To define drive-style and develop an on-board unit to measure it and its influence on vehicle consumption and emissions.
Research funds generation and project management.

- Dates 15.09.2014 – 08.10.2014
- Name and address of employer EUROPEAN COMMISSION
Research Executive Agency
REA/C/03
- Type of business or sector Research
- Occupation or position held Expert
- Main activities and responsibilities Proposal evaluation for evaluation of the proposals submitted in response to the - H2020-MG-2014_TwoStages call for proposals, issued on the basis of the work programme(s) HORIZON 2020 Work Programme 2014 - 2015.

- Dates 31.03.2014 – 11.04.2014
- Name and address of employer EUROPEAN COMMISSION
Innovation and Networks Executive Agency (INEA)
W910 – chaussée de Wavre 910 – 1049 Brussels Belgium
- Type of business or sector Research
- Occupation or position held External expert
- Main activities and responsibilities for the independent evaluation of proposals submitted by applicants in response to the 2013 TEN-T Calls for proposals.

- Dates 30.06.2009 – 31.01.2012
- Name and address of employer Università degli Studi “Guglielmo Marconi”
Via Plinio, 44 - 00193 Rome, Italy
- Type of business or sector University – Research and Education
- Occupation or position held Professor of “advanced vehicles and transport systems management”
- Main activities and responsibilities Course set-up, on-line lecture preparation, student examination.

- Dates 01.02.2010 – 30.04.2010
- Name and address of employer INRIA – Institut National de Recherche et Informatique et Automatique
INRIA Rocquencourt
BP 105
78153 Le Chesnay Cedex
- Type of business or sector Research
- Occupation or position held Visiting Professor
- Main activities and responsibilities To prepare research proposal for future projects in cooperation INRIA-CTL

- Dates 01.09.2008 – 31.08.2010
- Name and address of employer Centre for transport and logistics
Università degli Studi di Roma “La Sapienza”
Via Eudossiana, 18 - 00184 Rome, Italy
- Type of business or sector University – Research and Education
- Occupation or position held Research Fellow (Assegnista di Ricerca)
- Main activities and responsibilities To generate research grants and develop the following research projects

2009-present EC DG RESEARCH CATS – DESCRIBED ABOVE.

2008-2011 EC DG RESEARCH CityNetMobil – DESCRIBED ABOVE

2008-2010 Pigliacelli SpA
Heavy duty vehicle fleet management – development and pilot application of ICT tools to monitor heavy duty vehicles fleet.
Project manager.

- Dates
 - Name and address of employer
 - Type of business or sector
 - Occupation or position held
 - Main activities and responsibilities
- 2008-2009 HONDA Italia SpA
 Drive-style Emissions Testing on Civic Hybrid – 3 consecutive research contracts to develop, test and apply a monitoring tool to assess the real environmental impact of innovative vehicles and measure driver influence on it.
Research funds generation and project management.
- 01.10.2007 – 30.09.2010
 Dipartimento di Idraulica Trasporti e Strade dell'Università degli Studi di Roma "La Sapienza"
 via Eudossiana 18 – 00184 Rome, Italy
 University – Research and Education
 Senior consultant
 Participation and conduction of the following projects:
- 2006-2011 EC DG RESEARCH
 CityMobil (Towards advanced transport for the urban environment) – large experimentation and evaluation of fully automated transport systems in three European sites.
Leader of the fifth sub- project (evaluation) and member of the project board.
- 2006-2011 EC DG TREN
 Freighwise (Management Framework for Intelligent Intermodal Transport) – development of an integrated IT platform to manage intermodal transport and making it more flexible and convenient.
Leader of the Swiss-Italian case study and of WP14 (integration of different data sources in traffic prediction and use for itinerary calculation).
- 2004-2009 EC DG RESEARCH
 HOST (Human Oriented Sustainable Transport mean) – design prototype and testing of a multi purpose low environmental impact vehicle.
Responsible of the user needs analysis, market analysis and definition of technical specification of the vehicle and leader of the socio-economic evaluation.
- Dates
 - Name and address of employer
 - Type of business or sector
 - Occupation or position held
 - Main activities and responsibilities
- 01.12.2006 – 31.01.2007
 Pedimont regional government, 'Innovation and competitiveness' department
 Via Lagrange 24
 10123 Torino
 Research
 Evaluator
 Evaluation of research proposal for: "Bando regionale ricerca industriale 2006"
- Dates
 - Name and address of employer
 - Type of business or sector
 - Occupation or position held
- 01.04.2006 – 31.10.2006
 European Commission Direction I – Environment
 CDMA/03/176
 B – 1049 Brussels
 Research
 Expert

- Main activities and responsibilities
 - To assess the contribution of a sample of up to 50 EU R&D Framework Programme (FP) projects to the implementation of ETAP (Action Plan on Environmental Technology); project equally selected from the following thematic priorities of FP5 and FP6:
 - environment
 - transport
 - energy
 - new production processes, new materials and nanotechnologies
 - life sciences and biotechnology
 The review assesses how the scientific, technical, economic, environmental, social and cultural outputs of the projects foster the development and deployment of environmental technologies.

- Dates
 - 01.10.2003 – 30.09.2007
- Name and address of employer
 - Dipartimento di Idraulica Trasporti e Strade dell'Università degli Studi di Roma "La Sapienza" via Eudossiana 18 – 00184 Rome, Italy
- Type of business or sector
 - University – Research and Education
- Occupation or position held
 - Research Fellow (Assegnista di Ricerca)
- Main activities and responsibilities
 - Participation and conduction of the following projects:
 - 2006-2011 EC DG RESEARCH
CityMobil (Towards advanced transport for the urban environment) – DESCRIBED ABOVE.
 - 2006-2011 EC DG TREN
Freightwise (Management Framework for Intelligent Intermodal Transport) – DESCRIBED ABOVE
 - 2004-2009 EC DG RESEARCH
HOST (Human Oriented Sustainable Transport mean) – DESCRIBED ABOVE
 - 2005 Hitachi
Invited keynote speaker on the topic Urban Sustainability to the 8th Hitachi Science and Technology Forum Athens 20-22 May 2005
 - 2004-2007 MIUR (Italian Ministry of Research)
CTL (Excellence centre on freight transport and logistics) – implementation of an excellence pole on freight transport by conducting four pilot projects: Integrated information system for transport document and information sharing, benchmarking of freight transport systems and methods, study of a sustainable freight transport system, analysis of Mobility Urban Distribution Centres (MUDCs) potentials.
Responsible of the fourth project and collaboration to implementation and management of the excellence centre.
 - 2002-2004 EC DG INFSO
CAPITALS ITTS (CAPITALS providing Integrated Travel and Tourism Services) – Implementation and demonstration of information technology applications for travellers and tourists
Rome Local evaluation manager. Responsible for guiding data collection and evaluation in Rome and participant to the evaluation methodology definition

- 2001-2004 EC DG INFSO
 CYBERCARS (Cybernetic Cars for a New Transportation System in the Cities) – study of innovative automatically driven vehicles for freight and passengers transport
DITS research unit co-ordination. Investigation of the most suitable energy system for the various transport system applications. Implementation of a fleet management software. Evaluation of safety, transport, environment and economic impacts of the project and transferability of results.
- 2001-2004 EC DG RESEARCH
 CYBERMOVE (Cybernetic Transportation Systems for the Cities of Tomorrow) – design, installation and test of innovative transport system based on automatically driven vehicles (CYBERCARS).
DITS research unit co-ordination. European level co-ordination of the evaluation and site selection activities. Management of local test-site. Evaluation of safety, transport, environment and economic impacts of the project and transferability of results.
- 2001-2004 EC DG INFSO
 GIFTS (Global Intermodal Freight Transport System) – implementation of a centralised information platform to manage the intermodal transport chain from door to door.
DITS research unit co-ordination. Co-ordination of local user needs analysis activities Evaluation of transport and socio-economics impact of the project

- Dates 01.11.1999 – 30.09.2003
- Name and address of employer Dipartimento di Idraulica Trasporti e Strade dell'Università degli Studi di Roma "La Sapienza" via Eudossiana 18 – 00184 Rome, Italy
- Type of business or sector University – Research and education
- Occupation or position held Expert consultant and PhD candidate
- Main activities and responsibilities Participation and conduction of the following research projects:

- 2003 Consorzio interporto Fiumicino
Feasibility study for the freight village of Fiumicino
Traffic and environmental impact forecasting.
- 2000-2002 MURST – cofin 2000 (Italian Ministry of Research 2000 funding programme)
Design, construction, test and evaluation of a hybrid power-train
prototype for a city car with four wheel steering and drive.
*DITS research unit co-ordination. Definition of the technical
specification for the power-train. Organisation and management of an
acquisition campaign to measure the driving cycle of an electric-driven
vehicle in Rome. Evaluation of safety, transport, environment and
economic impacts of the vehicle.*
- 2002 Rome Municipality
Report requested from Rome Municipality to the Mechanics and
Aeronautic Department of the University of Rome “La Sapienza”
to determine the correctness of the price and the adequacy of the
electric scooter “motorpattino” Irpem to the objectives of the
electric-mobility-funding-campaign.
*Scooter performance evaluations in terms of reliability, safety, and
attractiveness for the users.*
- 2002-2003 Marie Curie fellowship at the “Training site on Traffic Modelling and Safety” of
the Institute for Transport Studies University of Leeds
*Validation of the integrated simulation model, Macro, Micro and
Ultra- micro, to forecast the environmental impact of traffic developed
during the PhD.*
- 2000-2003 STA Società Trasporti Automobilistici
EC DG INFSO HEAVEN (Healthier Environment through the
Abatement of Vehicle Emissions and Noise) – implementation in
five European capitals of Decision Support Systems (DSSs) for
traffic and mobility management based on air quality.
Collaboration to the co-ordination of local evaluation activities.
- 2000 Symonds Group Ltd
EC DG TREN A Study of Single Wagonload Rail Traffic
*Responsible for the analysis of freight rail transport demand and supply
in Italy.*
- 1999–2000 Regione Lazio
Feasibility study of a people mover linking Ciampino airport
with the railway station.
*Responsible for the mechanical design, energy consumption calculation,
and general system evaluation.*
- 1998–2000 EC DG XVII
FLEETS (Friendly Low Energy and Environmental Transport
Systems).

Collaboration to project financial and scientific co-ordination. Put into operation in Terni urban public transport network of low environmental impact buses.

1998–1999 EC DG VII
MAESTRO (Monitoring Assessment and Evaluation Scheme for Transport Policy Options in Europe)
Definition of a general evaluation methodology for pilot and demonstration projects. Participation to the "Guidelines" editorial committee.

- Dates 06.03.1998 – 31.10.1999
- Name and address of employer Ingegneria dei Trasporti Srl
via Cavour 256 00184 – Rome Italy
- Type of business or sector Transport consultancy
- Occupation or position held Junior engineer
- Main activities and responsibilities Consultant for the following projects:

1998–1999 EC DG VII
PLATFORM (Computer Controlled Freight Platforms)
Deputy general manager and co-ordinator. Responsible for the evaluation organisation. Implementation of micro simulation models of the intermodal freight transport chain.

1998–1999 EC DG VII
Benchmarking Local Passenger Transport Systems
Participation, on behalf of the city of Terni, to the international meetings organised to benchmark the transportation experiences of 15 European cities.

1998-1999 EC DG XVII
MALTESE (Management and Assessment of Light Trains for Energy Saving and Efficiency)
Implementation of a Light Rail Transit (LRT) energetic consumption simulation model. Evaluation of energy performances of seven existing LRT lines across Europe.

AWARDS AND QUALIFICATIONS

- Date 02.04.2014 – 02.04.2020
 - Name and type of organisation providing the award Italian Ministry of University and Research (MIUR)
 - Principal subjects/occupational skills covered Abilitazione Scientifica Nazionale 08/A3 II fascia / national award of the associate professorship in Infrastructures and transport
 - Title of qualification awarded Professorship
-
- Date 04.2014
 - Name and type of organisation providing the award European Commission TRA VIsion
 - Principal subjects/occupational skills covered Eu Champions of Transport Research 2014
 - Title of qualification awarded Shortlisted: Cross-modal Category

EDUCATION AND TRAINING

- | | |
|--|--|
| <ul style="list-style-type: none">• Dates• Name and type of organisation providing education and training• Principal subjects/occupational skills covered• Title of qualification awarded | <p>01.11.1999 – 31.10.2002
University of Rome “La Sapienza”</p> <p>PhD in Energy technologies
Development of an integrated simulation model, Macro, Micro and Ultra- micro, to forecast the environmental impact of traffic</p> <p>PhD</p> |
| <ul style="list-style-type: none">• Dates• Name and type of organisation providing education and training• Principal subjects/occupational skills covered• Title of qualification awarded | <p>01.11.1991 – 06.03.1998
University of Rome “La Sapienza”</p> <p>Degree in Mechanical Engineering</p> <p>Mechanical Engineer (BSc + MSc equivalent)</p> |

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

ENGLISH

- | | |
|---|--|
| <ul style="list-style-type: none">• Reading skills• Writing skills• Verbal skills | <p>EXCELLENT</p> <p>EXCELLENT</p> <p>EXCELLENT</p> |
|---|--|

FRENCH

- | | |
|---|---|
| <ul style="list-style-type: none">• Reading skills• Writing skills• Verbal skills | <p>EXCELLENT</p> <p>GOOD</p> <p>EXCELLENT</p> |
|---|---|

SOCIAL SKILLS AND COMPETENCES

He lived and worked in multicultural environment since before his graduation:

- In 1997 he was selected as one of the 25 European students to take part in the Euroavia DEWO (Design Workshop) in which he designed, together with his fellows and with the help of tutors from Rolls Royce aero engine, an engine for a sixty seats regional aircraft. He leaved and worked with his Euroavia mates for the entire duration of the DEWO.
- Several years of experience in taking part and managing multinational projects taught him how to socialise and work with people from all over the world.
- In 2002 he was selected as the first Marie Curie Fellow at the training site in Traffic Modelling and Safety of the Institute for Transport Studies of the University of Leeds. During the stay he lived and worked in a multinational environment.

ORGANIZATIONAL SKILLS AND COMPETENCES

In his working experience he has been called to manage national and international projects. He co-ordinated multi-national working groups and consortia.

TECHNICAL SKILLS AND COMPETENCES

COMPUTER SCIENCE SKILLS:

- | | |
|---------------------|---|
| Operating systems: | DOS, Windows (3.1, 95, 98, 2000, ME, XP, 7, 8), Mac IOS and Linux (basic level) |
| Computer languages: | Pascal, Visual Basic and HTML |
| Word processing: | Microsoft Word |

Dbase and spreadsheets: Microsoft Access and Microsoft Excel
 Developed Software: PROSUST (Developed in Visual Pascal 7 for windows calculating maximum speed, acceleration, consumption at constant speed and along a driving cycles) EMICON (upgrading of PROSUST to calculate vehicle emissions as well); GPS matching (Macro in Visual basic for Excel to do the Map matching –deciding on which road a vehicle tracked by GPS was- for a data acquisition system); Long Link (Microsimulation software of a long link developed in SLX language in co-operation with M. Lemessi –see A. Alessandrini and M. Lemessi 2002 at point 23)
 Other used software: Autocad (for computer aided design); Transcad (for GIS oriented transportation analysis); Maptitude (For geographic data representation); Matlab (for basic simulations) DRACULA (for vehicle micro-simulation); Outlook and Pegasus (for e-mail management); FTP-Max (as FTP servers); AnalogX and Apache for Linux (as HTML server); Nero and Easy CD (for CD burning)

**ARTISTIC SKILLS
AND COMPETENCES**

MUSICAL SKILLS:

He plays saxophone since he was sixteen and was used to play keyboards and guitar, with scarce success according to his angry neighbourhood, though still nothing to what they say since 2012 when he started training as an baritone opera singer.

SPORT SKILLS:

He is fond of skiing (although he no longer competes in national ski races), plays tennis, holds a second degree scuba diving international licence and was used to fence until he was twenty.

**DRIVING LICENCE(S)
ADDITIONAL INFORMATION**

Italian licenses held: A for motorbikes (since 1989) and B for cars (since 1991)

NATIONAL AND INTERNATIONAL SPEECHES AND PUBLICATIONS:

J Olstam, F Johansson, A Alessandrini, P Sukennik, J Lohmiller, An Approach for Handling Uncertainties Related to Behaviour and Vehicle Mixes in Traffic Simulation Experiments with Automated Vehicles

Journal of Advanced Transportation 2020

A Alessandrini, R Barbieri, L Berzi, L Pugi, M Pierini, F Cignini, Design and Testing of a Flash Recharge System for a Bus including foreseen effects in terms of Storage Life Extension 2020 IEEE 20th Mediterranean Electrotechnical Conference (MELECON), 63-68

F Cignini, A Genovese, F Ortenzi, A Alessandrini, L Berzi, L Pugi, Experimental Data Comparison of an Electric Minibus Equipped with Different Energy Storage Systems Batteries 6 (2), 26 2020

A Alessandrini, R Barbieri, L Berzi, F Cignini, A Genovese, F Ortenzi, mDesign and Development of a Prototype of Flash Charge Systems for Public Transportation International Conference on Applications in Electronics Pervading Industry 2019

A Alessandrini, F Cignini, R Barbieri, E Locorotondo, M Pierini, L Pugi, A Flash Charge System for Urban Transport 2019 IEEE International Conference on Environment and Electrical Engineering 2019

L Berzi, N Baldanzini, D Barbani, R Barbieri, E Locorotondo, M Pierini, A Alessandrini, Structural and energy storage retrofit of an electric bus for high-power flash recharge, Procedia Structural Integrity 24, 408-422 2019

A Alessandrini, R Barbieri, L Berzi, F Cignini, A Genovese, E Locorotondo, Design of a hybrid storage for road public transportation systems, The International Conference of IFToMM ITALY, 149-157 2018

ADDITIONAL INFORMATION

NATIONAL AND INTERNATIONAL SPEECHES AND PUBLICATIONS (CONTINUED):

INVITED SPEECH

A Alessandrini, The Disrupters: The First to Market Automation Technologies to Revolutionize Mobility International Forum on Advanced Microsystems for Automotive Applications, 69-74 2018

A Alessandrini (editor) Implementing Automated Road Transport Systems in Urban Settings Elsevier 2018

M McDonald, P Delle Site, D Stam, MV Salucci, A Alessandrini, The CityMobil2 Evaluation Framework Implementing Automated Road Transport Systems in Urban Settings, 84 2018

D Stam, F Cignini, L Domenichini, A Alessandrini, Dimensioning ARTS for last mile transport Implementing Automated Road Transport Systems in Urban Settings, 19 2018

A Alessandrini Existing legal barriers and the proposed CityMobil2 approach Implementing Automated Road Transport Systems in Urban Settings, 273 2018

A Alessandrini, D Stam, ARTS—automated road transport systems Implementing Automated Road Transport Systems in Urban Settings, 9 2018

F Cignini, C Holguin, L Domenichini, D Stam, A Alessandrini, Integrating ARTS in existing urban infrastructures: the general principles Implementing Automated Road Transport Systems in Urban Settings, 43 2018

A Tripodi, F Cignini, L Domenichini, A Alessandrini, Integrating ARTS on Signalised and Nonsignalised Intersections for Safety Maximisation and Comparison With Conventional Car Safety Assessment Implementing Automated Road Transport Systems in Urban Settings, 61 2018

A Alessandrini, Assessing User Behaviour Around ARTS Implementing Automated Road Transport Systems in Urban Settings, 210 2018

A Alessandrini, C Holguin, M Parent, The certification approach for ARTS, Implementing Automated Road Transport Systems in Urban Settings, 266 2018

F Cignini, C Holguin, M Parent, D Stam, A Alessandrini, Determining ARTS speed profiles on the basis of infrastructures, Implementing Automated Road Transport Systems in Urban Settings, Elsevier 272 2018

A Alessandrini, F Cignini, F Orteni, G Pede, D Stam, Advantages of retrofitting old electric buses and minibuses, Energy Procedia 126, 995-1002 2017

A Alessandrini, PD Site, V Gatta, E Marcucci, Q Zhang 2016 Investigating users' attitudes towards conventional and automated buses in twelve European cities International Journal of Transport Economics

A Alessandrini, P Delle Site, D Stam, V Gatta, E Marcucci, Q Zhang 2016 Using Repeated-Measurement Stated Preference Data to Investigate Users' Attitudes Towards Automated Buses Within Major Facilities International Conference on Systems Science, 189-199

C Sessa, A Alessandrini, M Flament, S Hoadley, F Pietroni, D Stam 2016 The Socio-Economic Impact of Urban Road Automation Scenarios: CityMobil2 Participatory Appraisal Exercise Road Vehicle Automation 3, 163-186

L Guala, A Alessandrini, F Sechi, PD Site, C Holguin, MV Salucci 2015 Testing autonomous driving vehicles in a mixed environment with pedestrians and bicycles 22nd ITS World Congress

ADDITIONAL INFORMATION

NATIONAL AND INTERNATIONAL SPEECHES AND PUBLICATIONS (CONTINUED):

A Alessandrini, P Delle Site, V Gatta, E Marcucci, Q Zhang 2015 Stated Preference Logit Analysis Of Users' Attitudes Towards Conventional And Automated Buses CREI Università degli Studi Roma Tre Working Papers

A Alessandrini, C Holguín, D Stam 2015 Automated Road Transport Systems (ARTS)—The Safe Way to Integrate Automated Road Transport in Urban Areas Road Vehicle Automation 2, 195-203

Alessandrini A, A Campagna, P Delle Site, F Filippi, L Persia 2015 Automated Vehicles and the Rethinking of Mobility and Cities Transportation Research Procedia 5, 145-160 INVITED SPEECH

Stam D, A Alessandrini, P Delle Site 2015 Evaluation of Eight Automated Road Transport System City Studies Transportation Research Board 94th Annual Meeting

Csepinszky A, G Giustiniani, C Holguin, M Parent, M Flament, A Alessandrini 2015 Safe Integration of Fully Automated Road Transport Systems in Urban Environments: The Basis for the Missing Legal Framework Transportation Research Board 94th Annual Meeting

Alessandrini A., Cattivera A., Holguin C., Stam D., CityMobil2: Challenges and Opportunities of Fully Automated Mobility. In Meyer G and Beiker S Road Vehicle Automation. Springer Cham Heidelberg New York Dordrecht London 2014 ISBN 978-3-319-05990-7 ISSN 2196-5544

INVITED SPEECH

Alessandrini A. CityMobil2 for accessibility @360° at the SIS85 session - Accessibility 360 – ITS-enhanced Accessible Transportation Services of the 21st ITS world Congress Thursday, September 11, 2014 | 1:30 - 3:00 p.m Detroit Michigan

INVITED SPEECH

Alessandrini A. Toward automation deployment path: full automation from the start and integrated safety approach at the SIS50 - Towards Automation Deployment of the 21st ITS world Congress Wednesday, September 10, 2014 | 1:30 - 3:00 p.m. Detroit Michigan

INVITED SPEECH

Alessandrini A. Road automation for last mile transport: the missing link to an integrated transport system at the SIS27 - Visualizing an Integrated Transport System – A Multi-modal Approach Enhanced by Automated Transit Networks of the 21st ITS world Congress Tuesday, September 9, 2014 | 1:00 - 2:30 p.m. Detroit Michigan

Alessandrini A. *Safely and Legally Integrating Automated Road Transport Systems in Urban Environments* In the Evolutionary And Revolutionary Pathways To Automated Transit And Shared Mobility breakout session at the Automated Vehicles Symposium 2014 July 14 - 18, 2014 Hyatt Regency San Francisco Airport California Organized by Transportation Research Board.

INVITED PLENARY SPEECH

Alessandrini A. CityMobil2: Automated Road Transport Systems in Urban Environments - Automated Vehicles Symposium 2014 July 14 - 18, 2014 Hyatt Regency San Francisco Airport California Organized by Transportation Research Board

Alessandrini A., R. Alfonsi, P. Delle Site, D. Stam, 2014, Users' preferences towards automated road public transport: results from European surveys. Proceedings of 17th Meeting of the EURO Working Group on Transportation, EWGT2014, 2-4 July 2014, Sevilla, Spain

Alessandrini A., D. Stam, Evaluation of Automated Transport Systems. Proceedings of Transportation Research Board 93rd Annual Meeting, 12-16 January 2014, Washington D.C. (lectern session nr. 417)

G Fusco, A Alessandrini, C Colombaroni, MP Valentini 2013 A Model for Transit Design with Choice of Electric Charging System Procedia-Social and Behavioral Sciences 87, 234-249

ADDITIONAL INFORMATION

NATIONAL AND INTERNATIONAL SPEECHES AND PUBLICATIONS (CONTINUED):

INVITED SPEECH

Alessandrini A. Evolving today's low-speed Driverless Shuttles to Area-wide Transit Services Podcar City 7 the advanced transportation symposium, 23 October 2013, George Mason University Washington D.C.

INVITED LECTURE

Alessandrini A. Evolving today's low-speed Driverless Shuttles to Area-wide Transit Services Wednesday October 23 2013 1:30-2:50 PM 101 Sherrerd Hall Princeton University New Jersey.

INVITED SPEECH

Alessandrini A. *Inserting ARTS in the urban environment* In the Shared mobility and transit breakout session at the Road Vehicle Automation TRB @ Stanford July 16-19, 2013 Stanford, California Organized by Transportation Research Board. INVITED PLENARY SPEECH

Alessandrini A. Automated Road Transport Systems in European Cities - Vehicle Automation TRB @ Stanford July 16-19, 2013 Stanford, California Organized by Transportation Research Board

INVITED SPEECH

Alessandrini A. *CityMobil Project* In session 366 - Highlights from 2012 Summer Workshop on Road Vehicle Automation, Part 1: Current Work and Challenges Transportation Research Board 92nd Annual Meeting, 13-17 January 2013, Washington D.C.

Stam D, A Alessandrini Personal Rapid Transit Studies in Two Scandinavian Cities Proceedings of Transportation Research Board 92nd Annual Meeting, 13-17 January 2013, Washington D.C. (lectern session nr. 251)

Alessandrini A., Delle Site P., Filippi F., Salucci M.V. (2012) Using rail to make urban freight distribution more sustainable. *European Transport*, 50. ISSN 1825-3997. Also downloadable at <http://www.istee.org/te/>

Alessandrini A, A Cattivera, F Filippi, F Ortenzi Driving style influence on car CO2 emissions 2012 EPA International Emission Inventory Conference, Tampa August 2012

Alessandrini A, F Filippi, F Ortenzi Consumption calculation of vehicles using OBD data 2012 EPA International Emission Inventory Conference, Tampa August 2012

INVITED SPEECH

Alessandrini A. *Automation technology issues* In the Public Policy Issues breakout session 2012 Road Vehicle Automation Workshop July 24-26, 2012 Irvine, California Organized by Transportation Research Board.

INVITED PLENARY SPEECH

Alessandrini A. *CityMobil Project* 2012 Road Vehicle Automation Workshop July 24-26, 2012 Irvine, California Organized by Transportation Research Board

Alessandrini, A., Filippi, F., Ortenzi, F., Orecchini, F. Driver influence in hybrid vehicle economic appraisal 2011 *World Electric Vehicle Journal* 4 (1) ISSN: 20326653, pp. 774-781

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ADDITIONAL INFORMATION

NATIONAL AND INTERNATIONAL SPEECHES AND PUBLICATIONS (CONTINUED)

Alessandrini A., F. Filippi, D. Stam, A. Tripodi, Pre-design method for advanced public transport systems. *Public Transport: Volume 2, Issue 1* (2010), Page 5 The article is also available electronically on SpringerLink:

<http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s12469-010-0020-y>.

Alessandrini A., F. Filippi, F. Ortenzi, F. Orecchini, "Evaluation of a multipurpose hybrid vehicle concept", paper submitted to EVS25, The 25th World Battery, Hybrid and Fuel Cell Electric Vehicle Symposium & Exhibition, Shenzhen, China, Nov. 5-9, 2010

Alessandrini A., F. Filippi, F. Ortenzi, F. Orecchini, "Hybrid Vehicle Sustainability Evaluation: The Honda Civic Hybrid Case", paper submitted to EVS25, The 25th World Battery, Hybrid and Fuel Cell Electric Vehicle Symposium & Exhibition, Shenzhen, China, Nov. 5-9, 2010

Alessandrini A., F. Filippi, D. Stam, A. Tripodi, Pre-design method for Personal Rapid Transits. PRT@LHR 2010 21-23 September 2010 The Heathrow Academy, Heathrow Airport, London

Alessandrini A., A. Forina, F. Ortenzi, "Metodo di valutazione in tempo reale del comportamento energetico-emissivo di un veicolo diesel", 65° Congresso Nazionale, ATI, Cagliari, 13-17 settembre 2010

Alessandrini A., A. Cattivera, F. Ortenzi, "Impatto energetico-ambientale dello stile di guida Ecodriving", 65° Congresso Nazionale, ATI, Cagliari, 13-17 settembre 2010

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Alessandrini A.: presentation of the European perspectives and the CityNetMobil program. Invited SPEECH at the event « Véhicules et mobilité du futur » organized by the city of Clermont Ferrand for the « Semaine de la mobilité » Clermont Ferrand (France) 9 - 20 September 2009

Alessandrini A., F. Filippi, D. Stam, A. Tripodi, Pre-design method for advanced public transport systems. *Proceedings of the 11th International Conference on Advanced Systems for Public Transport (CASPT 2009)* Hong Kong 20-22 July 2009

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Alessandrini A., A. Coccia, F. Filippi: I veicoli ibridi per il trasporto delle merci in ambito urbano. Capitolo 20 del libro "Sistemi di propulsione elettrica ed ibrida dalla sorgente a bordo all'attuazione meccanica" a cura di G. Brusaglino, G. Prede e E. Vitale ISBN 88-8286-172-4 2009

Alessandrini A.: CityMobil evaluation and other interim results. Invited SPEECH at the CityMobil Future Mobility Solutions Conference 08 May 2009 Heureka Science Centre, Vantaa, Finland

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NATIONAL AND INTERNATIONAL SPEECHES AND PUBLICATIONS (CONTINUED)

Alessandrini A., A. Campagna, D. Stam "I cybernetic transport system (CTS): i sistemi di trasporto innovativo per le città del futuro". Pubblicato in "I trasporti nella città del XXI secolo" ISBN 88-548 2168 2 Aracne editrice S.r.l. 2008
Alessandrini A., F. Ortenzi, "Automobile e città: quale futuro per il trasporto urbano?", presentazioni invitate al Motor Show, Innovation Cube, Bologna 13 dicembre 2008

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Alessandrini A., Benefits of advanced transport systems Invited SPEECH at the conference Automatisation pour les Transports Urbains 19 September 2008 La Rochelle

Alessandrini A., M. Parent, C. Holguin, Advanced City Cars, PRT and Cybercars, New Forms of Urban Transportation TRANSPORT RESEARCH ARENA Europe 2008 Ljubljana, Slovenia 21-24 Aprile 2008 (on-line on http://videolectures.net/tra08_alessandrini_acc/)

May A, J van Dijke, M Parent, A Alessandrini Assessing Contribution of New Technologies to Urban Transport: European CityMobil Project Transportation Research Board 87th Annual Meeting 2008

Alessandrini A. "CityMobil: Advanced Transport for the Urban Environment" invited SPEECH at "MOBIDAYS: SUSTAINABLE MOBILITY DAYS" Sala della Protomoteca del Campidoglio Rome, 7 November 2007

Alessandrini A., M.A Costagliola, F.Orecchini, F.Ortenzi, M.V. Prati, F.Villatico, "Proposta di una procedura innovativa di omologazione dei veicoli basata sul monitoraggio continuo delle emissioni", expert panel XIII, Emissioni da Trasporto su Strada, Roma 04 ottobre 2007

Villatico Campbell F., A. Alessandrini, F.Ortenzi, M.A. Costagliola, M. Bonfantini, M.V. Prati, "Confronto del comportamento emissivo e dei consumi di una vettura ibrida e di una convenzionale Euro IV medium size", presentata al Expert Panel XIII, Emissioni da Trasporto su Strada, Roma 04 Ottobre 2007

Alessandrini A.: Evaluation Framework of New Urban Mobility Projects. Invited SPEECH at the Daventry Transport Conference 2007 Innovative transport solutions for a growing town 26 Settembre 2007

Alessandrini A., F. Orecchini, F. Ortenzi and F. Villatico Campbell: Type approval procedures based on real driving cycle operating conditions and their potential effects on alternative powertrains diffusion. Presented at the International Conference on Transport and Environment: A global challenge Technological and Policy Solutions Milan, Italy 19-21 March 2007 organised jointly by the DG-JRC together with Regione Lombardia

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Alessandrini A. "Strumenti tecnici per una possibile estensione dei risultati del progetto" relazione invitata al Convegno Internazionale del progetto BONG-HY - Brescia, 16 Novembre 2006 (Piazza Loggia, 1 – Salone Vanvitelliano)

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Alessandrini A., F. Filippi, F. Orecchini and F. Ortenzi: A New Method To Collect Vehicle Behavior in Daily Use For Energy and Environmental Analysis. *Proceedings of the Institution of Mechanical Engineers -Part D- Journal of Automobile Engineering* ISSN: 0954-4070 vol. 220 Issue 11 Nov2006

Alessandrini A Cybernetic Transport Systems 22nd September Invited SPEECH at the Mobility Show held in Carrara from 20th to 23rd of September 2006.

Alessandrini A. e A. Campagna: GIFTS, una piattaforma ICT a supporto del trasporto merci intermodale. In "Limiti e prospettive di sviluppo del trasporto ferroviario delle merci" a cura di Agostino Nuzzolo e Pierluigi Coppola, SIDT (società Italiana dei Docenti di trasporti) Franco Angeli, Milano 2006 pp175-184 ISBN 88-464-7884-3

Orecchini F, F Zuccari, F Villatico, A Alessandrini Human Oriented Sustainable Transport mean, *HOST TRA-Transport Research Arena Europe 2006: Goeteborg, Sweden, June 12th-15th 2006*

Alessandrini A., F. Filippi, L. Persia and D. Stam: Evaluation of integrated tourism and travel information services in five European Capitals. Presented at the HITA annual conference on the information technology in the hospitality industry Los Angeles California 19-20 June 2005. Published on the proceedings of the Hospitality Information Technology Association Conference ISBN 0-9535965-12-4

Orecchini F., F. Villatico Campbel and A. Alessandrini: The Host Vehicle Concept: Human Oriented Sustainable Transport. *Proceedings of FUELCELL 2005: Third International Conference on Fuel Cell Science, Engineering and Technology* May 23-25, 2005, Ypsilanti, Michigan

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Parent M., G. Gallais, A. Alessandrini and T. Chanard. CyberCars: review of first projects. Presented at the Ninth International Conference on Automated People Movers Singapore, September 2003

Alessandrini A. and F. Orecchini. A driving cycle for electrically-driven vehicles in Rome. *Proceedings of the Institution of Mechanical Engineers Vol. 217 2003 Part D: Journal of Automobile Engineering* ISSN 09544070 pages 781-189

Alessandrini A. and M. Lemessi, A model to estimate the environmental impact of road transport. *ISTTT15 International Symposium of Transportation and Traffic Theory – Adelaide, Australia, 14-18 July 2002* Pages 287-308 of conference proceedings "Transportation and Traffic Theory in the 21st Century" ISBN 0-08-043926-8

Alessandrini A. and L. Persia. Evaluation of hybrid buses in urban public transport service. Presented at PROSPER congress – Hybrid technology in public transport service Karlsruhe 19-20 September 2001 included in the pre-printed CD-rom conference proceedings.

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NATIONAL AND INTERNATIONAL SPEECHES AND PUBLICATIONS (CONTINUED)

Alessandrini A. Modello di simulazione per il calcolo di consumi energetici ed impatto ambientale del trasporto urbano di superficie. Presentato al CODEA (coordinamento nazionale dei dottorati di ricerca in discipline energetico – ambientali) terzo seminario residenziale NAPOLI – Università degli Studi Federico II 13-15 settembre 2001

Alessandrini A., C. M. Bartolini, F. Caricchi, F. Crescimbin, A. Di Napoli, O. Honorati, V. Naso, F. Orecchini, A. Santiangeli, L. Solero, F. Zuccari "Studio preliminare di un sistema energetico ibrido a basso inquinamento", Presented at X Convegno TESEC - Tecnologie e Sistemi Energetici Complessi, Genova, Italia, 2001.

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Alessandrini, A. e F. Filippi. Confronto con modello di simulazione tra CVT e cambio tradizionale. ATA – Ingegneria Automotoristica, ottobre 1998, vol. 51, n. 10, pagg. 499-509