



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Vincenzo Punzo**
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Nationality Italian
Date of birth November 27th, 1970
Gender Male
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Scopus Author ID <https://www.scopus.com/authid/detail.uri?authorId=12807108200>
Citations **2400+** (Scopus), **4000+** (Google Scholar)
h-index **27** (Scopus), **35** (Google Scholar)



Desired employment/ Occupational field

Research, Teaching and Consultancy in Transportation Engineering

Work experience

Dates June 6th, 2016 onwards
Occupation or position held **Co-Founder**
Main activities and responsibilities Research and development, strategic business development and fundraising in the fields of shared mobility services (ride-sharing) and railway simulation and operations.
Name and address of employer **Inputspace s.r.l.**, Piazza Dei Martiri, 30, 80121, Napoli, Italy. Business headquarters: via Claudio 21, 80125, Napoli, Italy.
Type of business or sector Innovative solutions for mobility of people and goods (Mobility as a Service – MaaS)

Dates September 4th, 2023 onwards
Occupation or position held **Full Professor**
Main activities and responsibilities

- Teaching graduate courses: 'Traffic Control' (English), 'Road and Railway traffic control' (Italian) and 'Smart and Electric Mobility' (Italian), supervision of Master theses and PhD dissertations, supervision of internships in public and private companies.
- Preparation, management, execution and appraisal of research project proposals.
- Coordination, management and participation in international research projects:
 - i. Horizon Europe [i4Driving](#) (Scientific, Technical and Innovation Coordinator)
 - ii. Horizon Europe [Acumen](#) (Unina's research unit coordinator)
 - iii. Horizon Europe [MetaCCAZE](#) (Unina's research unit coordinator)
- Participation in International fora:
 - Member of the Board of the Horizon Europe Partnership CCAM – Connected Cooperative and Automated Mobility, as representative of the European universities
- Basic and applied research in transportation.
- Editorial activity for scientific journals and international conferences:
 - Associate Editor of IEEE Transactions on Intelligent Transportation Systems
 - Editorial Board member of Elsevier's Transportation Research - part C.

See **Annex A** for a portfolio of selected activities and projects.
See **Annex B** for a list of scientific publications.
See **Annex C** for a list of advanced courses taught and organized

Name and address of employer	Università degli Studi di Napoli Federico II , Department of Civil Environmental and Architectural Engineering, via Claudio 21, 80125, Naples, Italy
Type of business or sector	Research, teaching and technology transfer in transportation
Dates	December 30 th , 2014 onwards
Occupation or position held	Associate Professor
Main activities and responsibilities	<ul style="list-style-type: none"> - Teaching graduate courses ('Road traffic control' and 'Smart and Electric Mobility'), supervision of diploma theses and PhD dissertations, supervision of internships in public and private companies. - Preparation, management, execution and appraisal of research project proposals. - Coordination, management and participation in research projects. - Basic and applied research on transport. - Editorial activity for scientific journals and international conferences. - See Annex A for a portfolio of selected activities and projects. See Annex B for a list of scientific publications. See Annex C for a list of advanced courses taught and organized
Name and address of employer	Università degli Studi di Napoli Federico II , Department of Civil Environmental and Architectural Engineering, via Claudio 21, 80125, Naples, Italy
Type of business or sector	Research, teaching and technology transfer in transportation
Dates	January 18 th , 2005 - December 29 th , 2014 (on temporary leave from November 1 st , 2011 to October 31 st , 2013)
Occupation or position held	Assistant Professor
Main activities and responsibilities	<ul style="list-style-type: none"> - Teaching graduate courses ('Traffic flow simulation and control'), supervision of diploma theses and PhD dissertations, supervision of internships in public and private companies. - Preparation, management, execution and appraisal of research project proposals. - Coordination, management and participation in research projects. - Basic and applied research in transportation. - Editorial activity for scientific journals and international conferences. See Annex A for a portfolio of selected activities and projects. See Annex B for a list of scientific publications. See Annex C for a list of courses taught and organized
Name and address of employer	Università degli Studi di Napoli Federico II, Department of Transportation Engineering, via Claudio 21, 80125, Naples, Italy
Type of business or sector	Research and teaching in transportation
Dates	November 1 st , 2011 - October 31 st , 2013
Occupation or position held	Senior Researcher
Main activities and responsibilities	<ul style="list-style-type: none"> - Scientific support to the JRC in the field of Intelligent Transportation Systems and e-mobility to provide the European Commission DGs and other EU institutions with science-based policy options. - Coordination, management and participation in research projects. - Teaching on traffic simulation - Supervision of PhD dissertations, post-doctoral traineeship and internships. - Basic and applied research in transportation. - Editorial activity for scientific journals and international conferences. See Annex A for a portfolio of selected research activities. See Annex B for a list of scientific publications. See Annex C for a list of courses taught and organized.
Name and address of employer	European Commission Joint Research Centre , Institute for Energy and Transport (IET), Via E. Fermi 2749, 27027 Ispra (VA), Italy
Type of business or sector	Research, scientific support to EU Policy
Dates	October 1 st , 2003 – January 17 th , 2005
Occupation or position held	Post-Doctoral research fellow

Main activities and responsibilities - Research on traffic flow micro-simulation models and algorithms.
- Management and participation in research projects.
- Teaching at PhD and short postgraduate courses.

Name and address of employer Università degli Studi di Napoli Federico II, Department of Transportation Engineering, via Claudio 21, 80125, Naples, Italy

Type of business or sector Research in transport engineering/Higher education

Dates May 15th, 2003 - September 30th, 2003
November 30th, 2001 – July 31st, 2002
December 2nd, 1998 – May 30th, 1999

Occupation or position held **Contract Researcher**

Main activities and responsibilities - Research on ITS, in particular: integrated modelling of traffic and vehicle's pollutant emissions, interactive systems for road network monitoring and control.
- Design of an instrumented vehicle prototype for traffic monitoring.
- Management and participation in research projects.
- Teaching undergraduate courses.

Name and address of employer Università degli Studi di Napoli Federico II, Department of Transportation Engineering, via Claudio 21, 80125, Naples, Italy

Type of business or sector Research (on transport and environmental modelling)

Dates 2001 onwards

Occupation or position held **Independent transport consultant**

Main activities and responsibilities - Design, management and appraisal (validation) of projects and plans in the sectors of ITS and passenger mobility, on behalf of private companies and public bodies.
- Teaching MPhil courses.
See **Annex A** for a portfolio of selected activities and projects.

Name and address of employer -

Type of business or sector Transport consultancy

Dates November 1st, 1998 – October 31st, 2001

Occupation or position held **PhD research fellow**

Main activities and responsibilities - Research in transport modelling.
- Management and participation in research projects.
- Co-supervision of graduate theses.
- Preparation of research proposals.

Name and address of employer Università degli Studi di Napoli Federico II, Department of Transportation Engineering, via Claudio 21, 80125, Naples, Italy

Type of business or sector Research (in transport modelling)

Education and training

Dates 1999 onwards

Title of qualification awarded Participation certificates to numerous advanced short courses in transport and other fields. See **Annex C** for a list of attended courses.

Principal subjects/occupational skills covered - Communicating science to the public and with the media, techniques for specific target audiences.
- Sensitivity analysis of model outputs, uncertainty management.
- Demand Modelling, discrete choice models, dynamic OD matrix estimation.
- Transportation systems simulation and operation, dynamic traffic flow theory, dynamic supply models for continuous and scheduled services, dynamic traffic assignment, traffic micro- and meso-simulation, Public Transport operation and management, Railway Systems operation.
- ITS applications, automatic control methods for traffic control, driver information, accident prevention, driving simulators.

Name and type of organisation providing education and training

European Commission Joint Research Centre, University of Cyprus, University of Aegean, Technical University of Delft, COST - European Cooperation in Science and Technology, Massachusetts Institute of Technology, Technical University of Crete, University of Naples Federico II, University of Rome Tor Vergata, Italian National Research Council, Universitat Politecnica de Catalunya, University of Leeds, Transport Simulation Systems, Oktal.

Dates

2001

Title of qualification awarded

PhD in Road Infrastructures and Transportation Systems.

Principal subjects/occupational skills covered

Dissertation title: "A multi-regime behavioural car-following model: development, validation and applications". Other subjects/courses covered: Intelligent Transportation Systems, Demand Modelling, Traffic control and highway operations.

Name and type of organisation providing education and training

Università degli Studi di Napoli Federico II, Corso Umberto I 40, 80138 Naples, Italy

Dates

1998

Title of qualification awarded

MSc Civil Engineering (five years course)

Principal subjects/occupational skills covered

Civil engineering, Hydraulics, Environmental engineering.

Name and type of organisation providing education and training

Università degli Studi di Napoli Federico II, Corso Umberto I 40, 80138 Naples, Italy

Personal skills and competences

Mother tongue(s)

Italian

Other language(s)

English

Self-assessment

European level ()*

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Innate presentation and communication skills, both at professional and scientific level. Love to teach.

Organisational skills and competences

Established experience in effective management of small to big-size teams (up to 100 people in the COST Action TU0903 Multitude).

Computer skills and competences

- Windows and Office software (Word, Excel, Access).
- Matlab, Visual Basic, basic Java, Swift.
- Software for transport modelling (TransCad, AIMSUN, MITSIMLab) and GIS (ArcGis, MapInfo).
- Software for numeric calculus (Mathematica, Matlab).

Driving licence

Driving license for A and B vehicles (motorcycles and car). Italian sailing license for unlimited distance from the coast.

Additional information

Memberships and Appointments:

- Committee on Traffic Flow Theory & Characteristics – Transportation Research Board, National Academy of Sciences, USA.
- US FHWA Traffic Analysis Tools (TAT) Expert Panel.
- Register of Engineers of the Naples Province (n. 13509, 9/2/99).
- Register of the Tribunal's Technical Consultants.

Awards:

- Best simulation paper of 2013, TRB Traffic Simulation Joint SubCommittee.
- 2012 TRB Greenshields Prize.

IP rights:

- Strappo® www.strappo.xyz
- Ninjapark® www.ninjapark.xyz

Editorial activities

- Transportation Research part C - Member of the editorial board
- IEEE Transactions on Intelligent Transportation Systems - Associate (and Guest) editor
- International Journal of Transportation, SERSC - Member of the editorial board
- IEEE Intelligent Transportation System Conferences - Associate editor

Refereeing:

- Transportation Science
- Transportation Research part A
- Transportation Research part B
- Transportation Research part C
- Transportation Research Record
- IEEE Transactions on Intelligent Transportation Systems
- European Journal of Operational Research
- Philosophical Transactions of Royal Society A
- Journal of Advanced Transportation
- IEEE Intelligent Transportation System Conferences
- Other transport conferences

Key references:

- Prof. Markos Papageorgiou, Director, Dynamic Systems and Simulation Laboratory - Technical University of Crete, Chania, Greece, phone: +30 28210 37289, markos@dssl.tuc.gr
- Dr. Biagio Ciuffo, European Commission Joint Research Centre, Ispra, Italy, phone +39 3388513493, biagio.ciuffo@jrc.ec.europa.eu

Annex A – Portfolio of selected activities.

Annex B – List of taught/attended advanced courses.

Annex C - list of publications.

ANNEX A - Selected activities (projects, consultancy, lectures, etc.)

- 2024 – 2027 (European Commission - Horizon Europe)
Unina's research unit coordinator of the project "MetaCCAZE": Flexibly adapted MetaInnovations, use cases, collaborative business and governance models to accelerate deployment of smart and shared Zero Emission mobility for passengers and freight (TOPIC ID: HORIZON-MISS-2023-CIT-01)
Unina's budget: 353k €
<https://www.metaccaze-project.eu/>
- 2023 – 2026 (European Commission - Horizon Europe)
Project Scientific, Technical and Innovation Coordinator. "i4Driving": Integrated 4D driver modelling under uncertainty (TOPIC ID: HORIZON-CL5-2022-D6-01-03 - Human behavioural model to assess the performance of CCAM solutions compared to human driven vehicles (CCAM Partnership))
Unina's budget: 1M €
<https://i4driving.eu/>
- 2023 – 2026 (European Commission - Horizon Europe)
Unina's research unit coordinator of the project "ACUMEN": Ai-aided deCision tool for seamless mUltiModal nEtworK and traffic managemEnt (TOPIC ID: HORIZON-CL5-2022-D6-02)
Unina's budget: 280k €
<https://acumen-project.eu/>
- 2021 – 2024 (European Commission - Horizon Europe)
Member of the Governing Board of the Horizon Europe Partnership CCAM – Connected Cooperative and Automated Mobility, as representative of the Partnership's university members
<https://www.ccam.eu/what-is-ccam/governance/>
- 2021 – 2024 (Hitachi Rail STS)
Project Manager for Inputspace s.r.l. in the framework agreement between Hitachi Rail STS and Inputspace s.r.l. for the transfer and development of the railway microscopic traffic simulation software Railbit® by Inputspace.
- 2021 - 2023 (European Commission - Horizon Europe, EC JRC Direct Action)
Project co-Coordinator (Collaboration Agreement no. 35767) Pilot Living labs on Future Mobility Solutions – STRAPPO: Shared TRANsport for PeoPle mObility. <https://ec.europa.eu/jrc/en/research-facility/living-labs-at-the-jrc>
- 2020 - 2022 (Tangenziale di Napoli S.p.A., Autostrade per l'Italia S.p.A. group)
Principal Investigator of the research project "Probabilistic evaluation of viaduct loads through traffic micro-simulation for structural safety analysis".
- 2020 -2022 (Hitachi Rail STS)
Project Manager of Inputspace S.r.l. in the project "Innovative system for monitoring and controlling passenger flows".
- 2019 - onwards (European Commission Joint Research Centre)
Research group member in the project "C2ART, Connected, Coordinate Automated Road Transport" (Project n. 7534 of the JRC Work-Programme 2019-2020).

- 2015 - 2019 (Transportation Research Board of the National Academies, USA)
Appointed Member of the Task Force on “Transportation System Simulation”.
- 2017 (COST Action-Multitude, EU)
Organizer and Lecturer of the 5th Multitude Summer School on the “Advanced Simulation for Mobility Services”, Naples, Italy, June 29th - July 1st.
<http://www.multitude-project.eu/school.html>
- 2014 - 2017 (Cambridge Systematics Inc., Federal Highway Administration, Office of Operations, USA)
Scientific Consultant within the Task “Active Transportation and Demand Management (ATDM) Trajectory Level Validation”.
- 2014 - 2017 (MIUR, MISE, MCT, EU)
WP Leader of WP5 (“System Testing and Evaluation in Virtual Environment”) in the project PON03PE_00159_4, “FERSAT - Study of a railway signaling system based on the innovative use of satellite technologies and their integration with terrestrial technologies”.
- 2013 - 2017 (MIUR, EU)
Task Leader of tasks 3012-13-14 (“Analysis and choice of simulation models”, “Optimization algorithms for the train motion” and “Algorithm validation”) for the project CTN01_00176_166167 “TESYS Rail - techniques and tools to increase the environmental sustainability of rail transport systems”.
- 2016 (Inputspace s.r.l., Italy)
Co-founder of Inputspace s.r.l., Spin-off of the University of Naples Federico II and “innovative startup” delivering innovative solutions for the mobility of people and goods. www.inputspace.xyz
- 2015 (European Commission JRC, EU)
Appointed expert for “Road Transport and emission modelling”, JRC, Institute of Energy and Transport (contract N° 198781.X0)
- 2015 (COST-Multitude, EU)
Organizer and Lecturer of the 4th Multitude Summer School on the “Advanced Traffic Simulation”, University of Cyprus, Nicosia, Cyprus, June 10-12.
<http://www.multitude-project.eu/school-2015.html>
- 2013 - 2014 (European Commission JRC, EU)
Appointed expert for “specific tasks related to the simulation of e-mobility profiles”, JRC, Institute of Energy and Transport (contract N° P2013020478PUNZ).
- 2013 (COST-Multitude, EU)
Organizer and Lecturer of the 3rd Multitude Summer School on the “Uncertainty in traffic simulation”, Maria Tsakos Foundation, Chios, Greece, September 3-6
<http://www.multitude-project.eu/school-2013.html>
- 2012 - 2013 (European Commission JRC, EU)
EC-JRC delegate in the Strategic Transport Technology Plan (STTP) for the priority fields:
7 - Efficient modal traffic management systems. Roadmaps: 11-ERTMS, 14-Road ITS;
10 - Integrated and innovative urban mobility and transport. Roadmap 17- Integrated urban mobility
ec.europa.eu/transport/research/sttp/sttp_en.htm

- 2012 - 2013 (European Commission JRC, EU)
EC-JRC delegate in the FP7 project ICT- Emissions: Assessing the impact of ICT on road transport emissions, ks28949.kimsufi.com/~ictemiss/
- 2012 - 2013 (European Commission JRC, EU)
EC-JRC delegate in the FP7 project Amitran: CO2 Assessment methodology for ICT in transport, www.amitran.eu/
- 2012 (European Commission JRC, COST-Multitude, Nearctis)
Organizer and Lecturer of the 2nd Multitude-Nearctis Summer School on the "Assessment of ITS solutions", European Commission JRC, Ispra (VA), Italy, June 6-8
www.multitude-project.eu/its-school.html
- 2009 - 2013 (COST – European Cooperation in Science and Technology, EU)
Chairman of the COST Action TU0903 - MULTITUDE - Methods and tools for supporting the use, calibration and validation of traffic simulations models, www.multitude-project.eu
- 2009 - 2019 (Committee on Traffic Flow Theory & Characteristics – Transportation Research Board, National Academy of Sciences, USA)
Full Member, www.tft.pdx.edu/members
- 2009 -2011 (Italian Ministry of Economic Development)
Task Manager of 3.2 'simulation of tramway operation' and A2.1.4/5 'energy and operation optimisation' for the project SITRAM www.sitram.it (Industrial Innovation Projects for Sustainable mobility - www.industria2015.ipi.it)
- 2011–2012 (Rina Check)
Scientific consultant in charge of the "Validation of the definitive design of the traffic control and emergency management system of the Messina Narrow Bridge"
- 2011 (Nearctis, Multitude)
Lecturer at the 1st Multitude-Nearctis Summer School on "Traffic modelling for traffic management and cooperative systems", TU Delft, Delft, Netherlands, May 2-4
- 2009 – 2010 (Napoli-Salerno A3 motorway, Italy)
Principal Investigator and senior analyst for the "Study to support the implementation of the Automated Section Speed Enforcement System 'Safety Tutor' on the A3 motorway Napoli- Salerno".
- 2008 – 2009 (Caserta Province, Italy)
Scientific consultant for the project "Virtual Training – Young drivers and risk perception: road safety education in secondary school by means of immersive virtual driving experiences"
- 2006 - 2009 (TEST - Technology Environment Safety Transport S.c.a.r.l. - Centre of Competence for Transport Systems of the Campania Region, Italy)
Scientific advisor for the Road Safety Laboratory and the dynamic driving simulator VERA - Virtual Environment for Road sAfeTy.
- 2006 – 2007 (TSS – Transport Simulation Systems, Barcelona, Spain)

Principal Investigator in the research collaboration on "test and evaluation of the Stochastic Model Improvement in AIMSUN".

- 2005 – 2007 (Italian Ministry of Education, University and Research)
Research team member in the Project of Primary National Interest - PRIN 2005: "Observatory for the evolution of the transport-land system: accessibility, attractiveness and transformability indicators".
- 2003 – 2007 (ARPA Consortium - Agency for the Research and the Advanced Production, Italy)
Scientific consultant for the National Operational Plan n. 12897: "Monitoring, control and information systems for the active management of the freeway safety".
- 2003 – 2007 (Italian Ministry of Education, University and Research)
Research team member in the National Operational Plan n. 12811: "Robogat: Robotized system for the environmental monitoring and the fire extinction in road and railway galleries".
- 2004 (Massachusetts Institute of Technology, USA)
Teaching assistant at the course "Modeling and Simulation for Intelligent Transportation Systems".
Coding traffic meso-simulation models for the lecture "Network Supply Models: from Static to Meso-Simulation Dynamic Models". Preparing and supporting lectures.
- 2002 – 2004 (Italian Ministry of Education, University and Research)
Research team member in the Project of Primary National Interest- PRIN 2002: "Road traffic systems in the information society: monitoring, simulation and building of dynamic databases".
- 2001 – 2003 (Italian Ministry of Education, University and Research)
Research team member in the Project of Primary National Interest- PRIN 2001: "Traffic flow micro-simulation for the evaluation of vehicle pollutant emissions".
- 2001 – 2002 (SEDIR sas, Italy)
Transport analyst team manager in the "Preliminary design of a sub-lagoon tube for the Venice Island"
- 2000 – 2003 (National Research Council, Italy)
Research team member in the project CNR – AGENZIA2000: "interactive systems for road network monitoring and control".
- 2001 – 2002 (COPIN consortium, Italy)
Team member in the "Intermodal transport plan of the 'Area Flegrea'".
- 2000 – 2002 (Italian Ministry of Education, University and Research)
Research team member and responsible of the task "Traffic micro-simulation within work zones" in the Project of Primary National Interest- PRIN 2000: "Influence of Pavement Maintenance on Road Safety".
- 1999 – 2002 (Campania Region, Italy)
Research team member in the project: "Road transport system monitoring: application of the Information and Communication Technologies".

ANNEX B – List of advanced courses (taught/organized and attended)

As an Organizer/Lecturer

- 2017 *5th Multitude Summer School on “Advanced simulation for mobility services”*, University of Naples Federico II. Lecturers: C. Antoniou, B. Ciuffo, J. Casas, W. Daamen, T. Kouvelas, L. Leclercq, V. Marzano, V. Punzo, Naples, Italy, June 29th – July 1st (Organizer and Lecturer).
- 2016 *9th Summer School on Sensitivity Analysis of Model Output (SAMO 2016)*, University of Naples Federico II. Lecturers A. Saltelli, W. Becker, S. Tarantola, B. Ciuffo, R. Bolado, R. Rosati, D. Albrecht, E. Plischke, T. Mara, S. Kucherenko, Capri, July 4-8 (Organizer and Lecturer).
- 2015 *4th Multitude Summer School on “Advanced traffic simulation”*, University of Cyprus. Lecturers: C. Antoniou, J. Casas, L. Dimitriou, N. Geroliminis, S.P. Hoogendoorn, V. Punzo, Nicosia, Cyprus, June 10-12 (Organizer and Lecturer).
- 2014 *“Modelling and Simulation of Transportation Networks”*, University of Naples, Massachusetts Institute of Technology (MIT), Lecturers: M. Ben Akiva, E. Cascetta, P. Coppola, V. Punzo, Napoli, May 19-21 (Lecturer).
- 2013 *An introduction to traffic simulation*. European Commission Joint Research Centre Syslog Formation Course (Lecturer).
- 2013 *3rd Multitude Summer School on the “Uncertainty in traffic simulation”*, Maria Tsakos Foundation, , lecturers: C. Antoniou, R. Balakrishna, M. Brackstone, M. Calvert, J. Casas, W. Daamen, S.P. Hoogendoorn, H. Koutsopoulos, A. Leonhardt, I. Papamichail, A. Polydoropoulou, V. Punzo, P. Wagner, Chios, Greece, September 3-6 (Organizer and Lecturer).
- 2012 *2nd Multitude-Nearctis Summer School on the “Assessment of ITS solutions”*, European Commission JRC, lecturers: W. Hoefs, K. El-Araby, E. Cascetta, S. Tarantola, W. Daamen, C. Buisson, B. Ciuffo, V. Punzo, S. Cohen, R. Bertini, C. Antoniou, S.P. Hoogendoorn, Ispra (VA), Italy, June 6-8 (Organizer and Lecturer).
- 2011 *Multitude-Nearctis Summer School on “Traffic modelling for traffic management and cooperative systems”*, TU Delft, lecturers: W. Daamen, R. Bertini, S.P. Hoogendoorn, M. Bell, J. Barcelo, E. Wilson, C. Buisson, T. Toledo, H. van Lint, T. Djukic, Emma Frejinger, P. Wagner, V. Punzo, Delft, Netherlands, May 2-4 (Organizer and Lecturer).
- 2003 *Modeling and Simulation for Intelligent Transportation Systems*, Massachusetts Institute of Technology (MIT), lecturers: M. Ben-Akiva, E. Cascetta, H. Mahamassani, H. Koutsopoulos. Cambridge, USA, July 28 - August 1 (*Teaching assistant*).

As a Student

- 2012 *Scientific Support to EU Decision-Making*, European Commission JRC, lecturers: D. Wilkinson, J. Ravetz, P.M. Boulanger, P. Frederiksen, M. Gremminger, D. Lievesley, A. Saltelli, W. Radermacher, D. Ristori, E. Giovannini, A. Capek, R. Hoekstra, M. Nardo, R. Mieke, P. Nymand-Andersen, Ispra (VA), Italy, September 17-18.
- 2010 *COST Advanced Science Communication Training Course*, COST - European cooperation in science and technology. Lisbon, Portugal, October 4-6.

- 2010 *SAMO2010 - Sixth Summer School on sensitivity analysis of model outputs*, Joint Research Centre of the European Commission, lecturers: A. Saltelli, S. Tarantola, F. Campolongo, M. Ratto. Fiesole, Italy, September 14-17.
- 2008 *VI Aimsun Users' Meeting and Training Course*, TSS Transport Simulation Systems, lecturers: J. Casas, A. Torday. Capri, Italy, September 22-24.
- 2008 *12th SCANeR User Group Meeting and Training Course*, Oktal, J. Galle lecturer. Naples, Italy, October 24-26.
- 2007 *11th SCANeR User Group Meeting and Training Course*, Oktal, J. Galle lecturer. Paris, France, October 02-03.
- 2007 *V Aimsun Users' Meeting and Training Course*, Instituto Politécnico de Lisboa, TSS Transport Simulation Systems, lecturers: J. Casas, A. Torday. Lisbon, Portugal, May 21-22.
- 2003 *Dynamic Traffic Flow Modelling and Control*, University of Naples Federico II, M. Papageorgiou, lecturer. Naples, Italy, June 23-27.
- 2002 *Traffic Study: from Static through Dynamic to Simulation*, DHV, Universitat Politecnica de Catalunya, University of Leeds, lecturers: J. Barcelo and D. Van Vliet. Amersfoort, Netherlands, May 14-15.
- 2001 *Dynamic Traffic Flow Modelling and Control*, Dynamic Systems and Simulation Laboratory - Technical University of Crete, M. Papageorgiou, lecturer. Chania, Greece, May 28 - June 1.
- 1999 *Advanced Methods for Planning and Management of Transportation Networks*, University of Rome Tor Vergata, CNR - PFT2, University of Naples Federico II, lecturers: M. Ben-Akiva, G.E. Cantarella, E. Cascetta, M. Florian, A. Nuzzolo. Capri, June 25-29.

Annex C - list of publications.

Papers in peer reviewed journals:

1. Testa, G., Zaccaria, G., Montanino, M., Baltzopoulos, G., Bilotta, A., Iervolino, I., Punzo, V., 2023. Infrastructure-level traffic micro-simulation for probabilistic analysis of bridge loads. *Computer-Aided Civil and Infrastructure Engineering*, Wiley
2. He, Y., Montanino, M., Mattas, K., Punzo, V., Ciuffo, B., 2022. Physics-augmented models to simulate commercial adaptive cruise control (ACC) systems. *Transportation Research Part C: Emerging Technologies*, 139, art. no. 103692.
3. Punzo, V., Zheng, Z., Montanino M., 2021. About calibration of car-following dynamics of automated and human-driven vehicles: Methodology, guidelines and codes. *Transportation Research Part C: Emerging Technologies*, 128, art. no. 103165.
4. Montanino, M., Monteil, J., Punzo, V., 2021. From homogeneous to heterogeneous traffic flows: Lp String stability under uncertain model parameters. *Transportation Research Part B: Methodological*, 146, pp. 136-154.
5. Montanino, M., Punzo, V., 2021. On string stability of a mixed and heterogeneous traffic flow: A unifying modelling framework. *Transportation Research Part B: Methodological*, 144, 133-154.
6. Fiori, C., Marzano, V., Punzo, V., Montanino, M., 2021. Energy consumption modelling in presence of uncertainty. *IEEE Transactions on Intelligent Transportation Systems*, 22(10), pp. 6330-6341.
7. Punzo, V., Montanino, M. 2020. A two-level probabilistic approach for validation of stochastic traffic simulations: impact of drivers' heterogeneity models. *Transportation Research Part C: Emerging Technologies*, 121, art. no. 102843.
8. Osorio C., Punzo V., 2018. Efficient calibration of microscopic car-following models for large-scale stochastic network simulators. *Transportation Research Part B: Methodological* 119, 156-173.
9. Punzo, V., Montanino, M., 2016. Speed or spacing? Cumulative variables, and convolution of model errors and time in traffic flow models validation and calibration. *Transportation Research Part B: Methodological* 91, 21-33.
10. Antoniou, C., Barceló, J., Breen, M., Bullejos, M., Casas, J., Cipriani, E., Ciuffo, B., Djukic, T., Hoogendoorn, S., Marzano, V., Montero, L., Nigro, M., Perarnau, J., Punzo, V., Toledo, T., van Lint, H., 2016. Towards a generic benchmarking platform for origin-destination flows estimation/Updating algorithms: Design, demonstration and validation. *Transportation Research Part C: Emerging Technologies* 66, pp. 79-98.
11. Montanino, M., Punzo, V., 2015. Trajectory data reconstruction and simulation-based validation against macroscopic traffic patterns. *Transportation Research Part B: Methodological* 80, 82-106.
12. Montella, A., Punzo, V., Chiaradonna, S., Mauriello, F., Montanino, M. 2015. Point-to-point speed enforcement systems: Speed limits design criteria and analysis of drivers' compliance. *Transportation Research Part C: Emerging Technologies*, 53, pp. 1-18.
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