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PUBLICATIONS LIST AT: http://www.unirc.it/scheda_persona.php?id=534

Curriculum Vitae of Maria Nadia Postorino

CONTACT DETAILS

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GENERAL INFORMATION

ACADEMIC POSITIONS AND RESPONSIBILITY

2019	Competition winner for Full Professor position at the University of Bologna, DICAM
2016	National Qualification for Full Professor
2013 – present	Vice-Rector for Equal Opportunities
2014 – 2019	President of the Central Committee for the promotion of equal opportunities, workers' welfare and non-discrimination (Comitato Unico di Garanzia) at the University of Reggio Calabria
2002 – present	Professor of Transportation Engineering at the University of Reggio Calabria, Department of Civil, Energy, Environment and Materials Engineering (DICEAM)
1994 – 2002	Research fellow in Transportation Engineering at the Engineering Faculty, University of Reggio Calabria

INTERNATIONAL RELATIONSHIPS

TEACHING & RESEARCH INTERNATIONAL COOPERATION

Feb 2019	Visiting Professor at the Université Paris 1 Panthéon-Sorbonne – (Teaching Staff mobility – LLP), lessons to master students (second level degree) on “Sustainable development of air transport: the role of airports”
Feb 2018	Visiting Professor at the Université Paris 1 Panthéon-Sorbonne – (Teaching Staff mobility – LLP), lessons to master students (second level degree) on “Airport development and environmental implications”
Feb 2017	Visiting Professor at the Université Paris 1 Panthéon-Sorbonne – (Teaching Staff mobility – LLP), lessons to master students (second level degree) on “High-speed trains and air transport: integration or competition?”
Sept 2016	Visiting Professor at the University of Portsmouth, School of Computing (Teaching Staff mobility - LLP), lessons to PhD students on “Intelligent Transport Systems to improve performances and reduce environmental impacts”

- Feb 2016 Visiting Professor at the Université Paris 1 Panthéon-Sorbonne – Maison des Sciences Economiques (Teaching Staff mobility – LLP), lessons to master students (second level degree) on “Transport system modelling and transport project implications”
- Feb - July 2014 Invited researcher at the Collegium de Lyon - Institut d'études avancées, Ecole Normale Supérieure, Université de Lyon to develop a research project titled “Air transport and high-speed train user choices. Expected impacts within the European transport scenario”
- May 2012 Visiting Professor at the University of Portsmouth, School of Computing (Teaching Staff mobility - LLP), lessons to PhD students on “Transport systems and neural networks: how to find effective solutions to improve performances and reduce impacts”
- May 2011 Visiting Professor at the University of Portsmouth, School of Computing (Teaching Staff mobility - LLP), lessons to PhD students on “Transport system modelling and intelligent solutions (ITS)”

COMPONENT OF COMMITTEES AT RELEVANT FOREIGN INSTITUTIONS

- 2019 - present Component of the Scientific Committee of the *Ecole Nationale des Ponts et Chaussées*, Paris (France) (appointed by the Ministère de la Transition Ecologique et solidaire, arrêté du 28/12/2018, NOR: TREK1830606A)
- 2015 - present Component of the Scientific Committee of Naval Group (ex-DCNS), international industrial group specialised in naval defence and energy (France), to support R&D activities – invited to be part of the Committee by the Senior Vice President
- Dic 2015-Gen 2016 Component of the Committee for selecting the Director of the *Ecole des Ingénieurs de la Ville de Paris – Ecole Supérieure du Génie Urbain* under the patronage of the Municipality of the city of Paris (France) – recommended by the Director of the research at the Ecole Nationale des Ponts et Chaussées
- 20015 - 2018 Component of the Scientific Committee of the *Ecole Nationale des Ponts et Chaussées*, Paris (France) (appointed by the Ministère de l'Ecologie, du Développement durable et de l'Energie, arrêté du 15/06/2015, NOR: DEVK1510494A)
- 2012 - 2014 Component of the Scientific Committee of the *Ecole Nationale des Ponts et Chaussées*, Paris (France) (appointed by the Ministère de l'Ecologie, du Développement durable, des Transports et du Logement, arrêté du 14/04/2012, NOR: DEVK1205137A)
- 2008 - 2011 Component of the Scientific Committee of the *Ecole Nationale des Ponts et Chaussées*, Paris (France) (Ministère de l'Ecologie, de l'Energie, du Développement durable et de l'Aménagement du territoire, Journal officiel de la République française 20/03/2008, arrêté du 10/03/2008, NOR: DEVK0804657A)

INTERNATIONAL RELATIONSHIPS WITHIN THE EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY (COST) NETWORK

- 2015-present Invited participant in the COST action “Air Transport and Regional Development (ATARD)” – Intergovernmental framework for European

- Cooperation in Science and Technology (2015-)
- 2013-2015 Invited participant in the COST action “Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems – TransITS” – Intergovernmental framework for European Cooperation in Science and Technology (2013-2015)
- 2012-2016 Italian representative in the Management Committee of the COST action “Gender, Science, Technology and Environment (genderSTE)” – Intergovernmental framework for European Cooperation in Science and Technology (2012-2016)

AWARDS AND PRIZES

- 2018 Award “2018 Outstanding Author Contribution” for the book chapter “Low-cost carriers and airports”, in *Advances in Airlines Economics*, Emerald Publishing.
- 2015 - present Component (chosen based on expertise) of the Scientific Committee of Naval Group (ex-DCNS) – international industrial group specialised in naval defence and energy (France)
- 2008 - present Component (chosen based on expertise) of the Scientific Committee of the *Ecole Nationale des Ponts et Chaussées*, Paris (France)
- 1993 Publication of a paper on a special issues for Young Researchers under selection procedure (paper: Postorino M. N., A comparative analysis of different specifications of modal choice models in an urban areas, "European Journal of Operational Research", n. 71, 1993, pp. 288-302, ISSN: 0377-2217)
- 1991 Selected to present paper and attend the 7th *Euro Summer Institute*, 21 June – 7 July, Cetraro (Italy)

LANGUAGE SKILLS

- Native speaker Italian
- Foreign languages English, French (fluent, level C of the Common European Framework of Reference for Languages)
Spanish (basic)

AFFILIATIONS AND MEMBERSHIPS

- 2014 - present Component of the board and founding member of the *Society for Intelligent Systems* (Reggio Calabria)
- 2013 - present Component of the Scientific Committee of *Civil, Environment and Safety Engineering* PhD at the University of Reggio Calabria
- 2011 - 2013 Component of the Scientific Committee of *Information Engineering* PhD at the University of Reggio Calabria
- 2006 - 2012 Component of the Scientific Committee of the *Association for European Transport* (AET), topics: Transport and Safety
- 1999 - 2012 Component of the Scientific Committee of *Transport and Logistics Engineering* PhD at the University of Reggio Calabria

- 1999 - 2012 Member of *AET* (Association for European Transport)
- 1993 - present Member of S.I.D.T. (Italian Society of Transport Professors)
- 1991 - present Member of *EURO Working Group on Urban Traffic and Transportation*
- 1991 - present Member of the *Association of Engineers* - Province of Reggio Calabria

CONSULTING EXPERIENCES

- Scientific evaluation of industrial projects presented under the call “Sustainable mobility”, Italian Research Operation Projects [POR FESR Lazio 2007/2014] (March-June 2017)
- Project: “Strategic scenario and guidelines to develop the airport Italian system” work undertaken for Progetto Europa Group, financed by the Ministry of Transports, 2008.
- Analysis of problems concerning the design of heliports serving medical centres, work undertaken for Corsaro Group s.r.l., 2006.
- Scientific coordination at Habitat s.r.l. of the European Project “Electricity Generation by Pilot Realization of a Wave Energy Converter”, Joule 2 Program, contract number JOU2-CT94-0315 (1994) - Coordinator Prof. C.L. Goudas, University of Patras, Studium of Mechanic, Patras (Greece), 1994.

ACADEMIC INFORMATION

EDUCATION

September 1995	PhD in Transportation Engineering at the University of Rome “La Sapienza”
December 1990	Engineering Qualification at the University of Calabria
July 1990	Civil Engineering degree in Transportation at the University of Reggio Calabria, <i>Summa Cum Laude</i>

MAIN RESEARCH FIELDS OF INTEREST

- Air transport demand; airport issues (ground control, demand level, catchment area); airport activities and environmental impacts
- Sustainable transport systems
- Transport demand modelling and analysis; mode share models and model calibration issues; random utility models for transport user choices
- Artificial intelligence applications to transport problems (software agents for car-sharing applications; fuzzy-based and neural network approaches for: mode share prediction and analysis, traffic lights control)

RESEARCH COORDINATION RESPONSIBILITIES

2016-present	Director of the working team for the project “Gender Equality in Engineering through Communication and Commitment”, financed under the Horizon 2020 program, at the Department of Civil, Energy, Environment and Materials Engineering, Mediterranean University of Reggio Calabria
2014-present	Director of the Network and Complex Systems (NeCS) laboratory, at the Department of Civil, Energy, Environment and Materials Engineering, Mediterranean University of Reggio Calabria
2012-2014	Lead Scientist of the WG3-Transport of the European COST (Cooperation in Science and Technology) action “Gender, Science, Technology and Environment (genderSTE)”
2012-2013	Director of the <i>Transport and Logistics Engineering</i> PhD Board at the University of Reggio Calabria
2004-2006	Scientific Director for the activity concerning the National Relevant Interest Project titled, “Guidelines to plan the development of the Italian regional airports”, Engineering Faculty, University of Reggio Calabria
2003-2005	Scientific Director for the agreement between the University of Reggio Calabria and the Ministry for the Environment and Land Protection for a research project titled “Study about integrated systems for the monitoring and control of the electromagnetic pollution”
2003-2004	Scientific Director for the agreement between the Department of Computer Science, Mathematics, Electronics and Transport of the University of Reggio Calabria and ELASIS, titled “MAIDAI – Methodologies to analyse urban and extra-urban accidents: Decisions, Approaches and Interventions”
1998- 2005	Scientific Director of the Department of Computer Science, Mathematics, Electronics and Transport Library, University of Reggio Calabria

PARTICIPATION IN RESEARCH PROJECTS

2015-	COST action “Air Transport and Regional Development (ATARD)” –
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- Intergovernmental framework for European Cooperation in Science and Technology
- 2013-2015 Project “BE&SAVE Aquasystem Siglod” PON04a2_F, European structural funds – Italian Ministry of High Education, Italian Ministry for the Economic development
- 2013-2015 COST action TransITS – Intergovernmental framework for European Cooperation in Science and Technology
- 2012-2016 COST action “Gender, Science, Technology and Environment (genderSTE)” – Intergovernmental framework for European Cooperation in Science and Technology
- 2007-2008 Project INLOCO (2006-07), “Logistic analysis to improve supply chains”, financed by the Calabria region and the Ministry of High Education, within the research activities concerning the development of the Logistic District of Gioia Tauro (South Italy)
- 2004-2006 National Relevant Interest Project – MIUR, titled, “Guidelines to plan the development of the Italian regional airports”, Engineering Faculty, University of Reggio Calabria
- 2003-2005 National Relevant Interest Project – MIUR, titled “Methodologies to reduce the exposition of transport systems in emergence conditions within urban areas”, Engineering Faculty, University of Reggio Calabria
- 2003-2004 National Relevant Interest Project – MIUR, titled “Non conventional systems: analysis and simulation, modelling, feasibility study”, Engineering Faculty, University of Reggio Calabria
- 2003-2004 Agreement between the Department of Computer Science, Mathematics, Electronics and Transport of the Engineering Faculty, University of Reggio Calabria and the Calabria region, for studies and research activities concerning the project SESTANTE (Strumenti Telematici per la Sicurezza e l’Efficienza Documentale della Catena Logistica di Porti e Interporti), Programma Interreg III-B
- 2003-2007 Project SINAVE (Innovative inter-modal system based on the use of fast ships) financed by the Ministry of High Education, Engineering Faculty, University of Reggio Calabria
- 2003-2004 Agreement between the Department of Computer Science, Mathematics, Electronics and Transport of the Engineering Faculty, University of Reggio Calabria and the Transport Company of the Metropolitan Area of Reggio Calabria, titled “Analysis of different scenarios for the operative transit plan”.
- 2002-2003 Agreement between the Department of Computer Science, Mathematics, Electronics and Transport of the Engineering Faculty, University of Reggio Calabria and ELASIS, titled “MAIDAI – Methodologies to analyse urban and extra-urban accidents: Decisions, Approaches and Interventions”
- 2001-2002 National Relevant Interest Project – MURST, titled “Guidelines to plan the local public transport services”, Engineering Faculty, University of Reggio Calabria
- 2001-2002 Project CNR, “Tele-monitoring and information to users in transit systems”, Engineering Faculty, University of Reggio Calabria
- 2000-2001 Agreement between the Department of Computer Science, Mathematics, Electronics and Transport of the Engineering Faculty, University of Reggio Calabria and the Public Works Ministry, titled “Guidelines to define safety urban plans”
- 1998-1999 National Relevant Interest Project – MURST, titled “Monitoring and control of vehicles traffic flows by using innovative technologies”, Engineering Faculty, University of Reggio Calabria

- 1998 Agreement between the Department of Computer Science, Mathematics, Electronics and Transport of the Engineering Faculty, University of Reggio Calabria and the Transport Company of the Metropolitan Area of Reggio Calabria, titled “Analysis of the current urban public service configuration”
- 1995-1998 Transport Finalized Project 2, C.N.R., for the writing of “Handbook of Transport Planning in Italy”
- 1993-1996 Project MURST (60%) titled “Congestion and pollution due to traffic flows”, Engineering Faculty, University of Reggio Calabria
- 1992-1998 Transport Finalized Project 2 “Demand models and demand-supply interactions at national level”, Engineering Faculty, University of Reggio Calabria
- 1992-1994 Project MURST (40%) titled “Transports to integrate Southern regions to Europe”, Engineering Faculty, University of Reggio Calabria
- 1992-1993 Project MURST (40%) titled “Comparison analysis among different modal choice models”, Engineering Faculty, University of Reggio Calabria
- 1991 M.P.I. 40% Research, titled “Passenger and transport analysis in Metropolitan areas”, University of Reggio Calabria
- 1991 Project B2426 “Agreement between the University of Reggio Calabria and Agensud/Asmez to realise the Laboratory for the analysis of extraurban transportation systems”, research title “Laboratory for the analysis of extraurban transportation systems”

EDITORIAL RESPONSIBILITIES

- Editor in Chief of the *International Journal of Traffic and Transportation Engineering*, (December 2012-December 2014).
- Editorial Board member of the *International Journal of Traffic and Transportation Engineering*, (December 2011-November 2012).
- Guest Editor *Regional Airport*, special issue of *Journal of Sustainable developments and Planning*, 2010.
- Editor of “*Development of regional airports*”, WIT Press, Ashurst, Southampton, UK, 2010.

REVIEWING ACTIVITIES

JOURNALS

European Journal of Operational Research
 Journal of Air Transport Management
 Journal of Sustainable Development and Planning
 Journal of Tourism Management
 Transportation Research, part C
 Transportmetrica
 Intelligent Transportation Systems
 Habitat Internationals

CONFERENCES - COMMITTEES

- 2017 XVIII Workshop “*From agents to objects*”, Mediterranean University of Reggio Calabria
- 2009 - 2013 Annual European Transport Conference, organized by the Association for European Transports
- 2009 International Seminar on “*Regional Airports*”, The New Forest, UK, Organised by Wessex Institute of Technology, UK

- 2005 5th International Conference on Technology and Automation 2005 (ICTA'05), Oct. 15-16, Thessaloniki, Greece, (sponsored by IEEE, in cooperation with EURASIP)
- 1999- 2005 Annual Conference on "Methods and Technologies of Transport Engineering", Engineering Faculty, University of Reggio Calabria

PROJECTS AND RESEARCH QUALITY

- Jan 2018 Scientific evaluation of research projects presented under the "Call for Ideas 2016", University of Roma 3 (as defined by art. 2, D.R. 584/2017 University of Roma 3)
- 2016 Reviewer for the Italian University Research Evaluation System (ANVUR)
- Apr 2015 Scientific evaluation of the COST Research Proposal: "Structure of Regional Airports and Relevance for Regional Development" - Invited by the Head of COST Unit, Federal Department of Economic Affairs, Education and Research (EAER) - State Secretariat for Education, Research and Innovation (SERI) - COST - Switzerland
- 2010 - present Reviewer for Italian National Research Projects (PRIN, FIRB)

SPIN-OFF ACTIVITIES

- 2014-present Founding member of the *Society for Intelligent System* (legal headquarters in Reggio Calabria). Among the aims, SIS encourages contacts between Universities/Research institutions and industries, promotes and supports University spin-off activities.
- 1992-1994 Consultant at HABITAT s.r.l. for developing wave energy converter tools

COORDINATION OF TEACHING ACTIVITIES

- 2009- 2012 Deputy director of the II level University master in Environmental Engineering titled "Environmental Monitoring and control"
- 2005 Component of the Technique and Scientific Board of the Advanced Technical Education (IFTS) course in "Local Public Transport", organized by Technical Industrial Institute "Panella", Reggio Calabria (main partners: University of Reggio Calabria, Trenitalia, Transit Company of the municipality Azienda Trasporti per l'Area Metropolitana di Reggio Calabria).
- 2003-2004 Deputy director of the II level University master in Environmental Engineering titled "Environmental Monitoring and control"
- 2001-2002 Coordination of the ICAR05 Transport activities within the Advanced Technical Education (IFTS) course "Expert in maintenance and plant design at airports"
- 2001- 2010 Component of the University Board for Advanced Technical Education (IFTS) evaluation

INVITED COURSES AND SEMINARS

- 2016 PhD seminars at the University of Portsmouth, School of Computing (Teaching Staff mobility - LLP)
- 2016 Master degree courses at the Université Paris 1 Panthéon-Sorbonne – Maison

- des Sciences Economiques (Teaching Staff mobility – LLP)
- 2012 PhD seminars at the University of Portsmouth, School of Computing (Teaching Staff mobility - LLP)
- 2011 PhD seminars at the University of Portsmouth, School of Computing (Teaching Staff mobility - LLP)
- 2009 Advanced Course on “Expert in technological transfer for Innovation, Planning and Management of lawn in Mediterranean environments”, Project FIXO, modulus “Accessibility and usability of green spaces”, organized by the Faculty of Agriculture, University of Reggio Calabria
- 2008 Advanced Course for Operators responsible for Direction and Coordination activities of Transport Nodes, organized by Meridionale Innovazione Trasporti, Messina
- 2006 Master’s course on “Logistics and inter-modality”, organized by the High School of Catania, University of Catania
- 2004 Master’s course on “Supply Chain Management”, organized by CEFRIS (Gioia Tauro, RC)
- 2003 Advanced course on “Manager of the research processes, development and innovation in Medium and Small companies”, organized by University Consortium Innovareggio (financed by the Ministry of High Education, Decreto Direttoriale n. 1288/ric del 26/11/2001; n. 918/ric del 28/06/2002)
- 2003 Master’s course in “Engineering of Road safety”, organized by the University of Palermo and CERISDI (Palermo).
- 2003 Master’s course in “Transit System Planning”, organized by University Consortium Innovareggio
- 2001-2002 Advanced technical education course on “Expert in maintenance and plant design at airports”, at the Technical Industrial Institute “Panella”, Reggio Calabria
- 2001 Advanced technical education course on “Multi-modality and harbour Logistics”, at the Technical Institute of Gioia Tauro
- 2001 Seminar on “Methods and Technologies to improve road safety”, organized by the Ministry of Transport and Infrastructures, Rome
- 2000 Advanced technical education course on “Expert in Managements of Transport systems”, organized by “Cooperativa Autonomie Locali”, Catanzaro
- 1998 Master’s course on “Design of Transit Systems”, organized by ISFORT (Institute for high studies on Transports) and National Railway Company (Ferrovie dello Stato), Rome

TEACHING ACTIVITIES AT THE WORKPLACE - UNIVERSITY OF REGGIO CALABRIA

Since 1993 several courses, according to the planned teaching activities at the workplace Institution: "Transport system Engineering", "Theory of Transport systems", "Quantitative methods to plan transport systems", "Plans and Terminals of Transport systems & Management and Operation of Transport systems", "Technique and Economy of Transports", "Statistics"

- 2013 - present “Transport system Engineering”, Department of Civil, Energy, Environment and Materials Engineering (DICEAM) (Engineering Faculty), University of

	Reggio Calabria
2013 – present	“Technique and Economy of Transports”, Department of Civil, Energy, Environment and Materials Engineering (DICEAM) (Engineering Faculty), University of Reggio Calabria
2004- 2012	“Theory of Transport systems, part I”, Engineering Faculty, University of Reggio Calabria
2002- 2010	"Quantitative methods to plan transport systems", Engineering Faculty, University of Reggio Calabria
2002-2003	“Plans and Terminals of Transport systems & Management and Operation of Transport systems”, Engineering Faculty, University of Reggio Calabria
1996	“Plans and Terminals of Transport systems & Management and Operation of Transport systems” (supporting activities), Engineering Faculty, University of Reggio Calabria
1994-2002	“Theory of Transport systems” and “Technique and Economy of Transports” (supporting activities), Engineering Faculty, University of Reggio Calabria
1993-1994	“Theory of Transport systems” and “Statistics” (supporting activities), Engineering Faculty, University of Reggio Calabria

DEGREE AND PHD THESES RESPONSIBILITIES

Within the teaching activities and the PhD courses she was involved in various degree theses, at the University of Reggio Calabria, concerning topics about the analysis and estimation of the transport demand, the air transport system, the transit system, the use of neural networks to simulate different aspects of the transport system.

Particularly, she tutored two PhD theses dealing with the forecast of the air transport demand by using time series and discrete choice models

PUBLICATIONS LIST:

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