



## Michela Le Pira

**Nationality:** Italian **Date of birth:** 12/05/1988 **Phone number:** (+39) 0957382221

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**Work:** Via Santa Sofia 64, 95123 Catania (Italy)

### WORK EXPERIENCE

#### Research fellow/Lecturer - Ricercatore a tempo determinato di tipo A

*Università degli Studi di Catania* [ 01/08/2019 – Current ]

City: Catania | Country: Italy

Responsible of a three-year research project funded by the "Attraction and International Mobility" (AIM) programme of the Italian Ministry of Education, University and Research, supported by the European Social Fund 2014-2020. The aim of the research is to study innovative transport systems related to the new shared mobility paradigm and Mobility as a Service (MaaS), and on innovative transport policies to improve passenger and freight mobility. Teaching activities within the Master Degree Courses of "Environmental Engineering" and "Water and Transportation Civil Engineering"

#### Mobility manager

*Università degli Studi di Catania* [ 12/09/2022 – Current ]

City: Catania | Country: Italy

- Promotion, through the elaboration of the home-work travel plan (PSCL), of the interventions for the organization and management of the mobility demand of the employees, in order to allow the structural and permanent reduction of the environmental impact deriving from car traffic in urban and metropolitan areas

#### Guest Researcher at Technische Universiteit Delft (TU Delft).

*Università degli Studi di Catania* [ 01/02/2020 – 30/09/2021 ]

City: Delft | Country: Netherlands

Guest Researcher at the Faculty of Civil Engineering and Geosciences - Transport & Planning Department di TU Delft (due mesi in presenza e il resto in "smart working")

Outgoing period within the three-year research project funded by the "Attraction and International Mobility" (AIM) programme of the Italian Ministry of Education, University and Research, supported by the European Social Fund 2014-2020, on the study of innovative transport systems related to the new shared mobility and MaaS paradigm. At the T&P department, the focus of the research is on new transport services and policies to integrate passenger with freight transport, and how to combine them in a MaaS ecosystem (Supervisors: Prof. Lori Tavasszy and Prof. Gonçalo Correia)

#### Guest Researcher at University College Dublin (UCD)

*Università degli Studi di Catania* [ 15/02/2022 – 15/04/2022 ]

City: Dublin | Country: Ireland

Guest Researcher at the Spatial Dynamics Lab, School of Architecture, Planning and Environmental Policy di University College Dublin (UCD).

Outgoing period within the three-year research project funded by the "Attraction and International Mobility" (AIM) programme on the study of innovative transport systems related to the new shared mobility and MaaS paradigm. At the Spatial Dynamics Lab, the focus of the research is the importance of "citizen sensing" and the importance of user-generated transport data to encourage public participation in decisions (Supervisor: Prof. Francesco Pilla)

## Post Doc Researcher

**Università degli Studi di Catania** [ 16/05/2017 – 15/05/2019 ]

City: Catania | Country: Italy

The aim of the research is to contribute to the improvement of the public transport service quality and increase the ridership, thanks to the deployment of new technologies oriented both towards citizens and transport operators. The specific objective is to define the characteristics of a dynamic information and communication service able to proactively involve passengers so to record their travel experience via a set of indicators related to the actual transit service and the perceived quality.

## Post Doc Researcher

**Università degli Studi Roma Tre** [ 01/03/2016 – 28/02/2017 ]

City: Roma

The research focuses on the analysis of social and economic acceptability of innovative transport policies, with a specific focus on urban freight transport policies and on tourism mobility. The analysis of the acceptability and economic sustainability of policies is based on the use of advanced techniques (e.g., discrete choice modelling, agent-based modelling) and their integration as decision-support tools.

## Guest Lecturer

**Molde University College - Høgskolen i Molde** [ 22/05/2017 – 26/05/2017 ]

City: Molde | Country: Norway

Guest Lecturer (docente invitato) for DRL024 Urban Freight and Behaviour Change

The aim of URBE PhD course is to illustrate, through a case study based approach, how to apply rigorous and robust methods, yet made comprehensible, capable of ex-ante determining the acceptability of alternative urban freight transport policies and predicting the behavioural change that might materialise when actually implemented.

## EDUCATION AND TRAINING

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### PhD in "Ingegneria delle Infrastrutture Idrauliche, Sanitario-Ambientali e dei Trasporti" (XXVIII ciclo)

**Università degli Studi di Catania** [ 02/01/2013 – 29/01/2016 ]

Address: Piazza Università, 2, 95124 Catania (Italy) | Website: [www.unict.it](http://www.unict.it) | Thesis: Towards participatory decision-making processes in transport planning: an agent-based approach

Ricerca nel settore della pianificazione dei trasporti, con particolare riferimento a modelli e metodi di supporto alle decisioni partecipate e al coinvolgimento degli stakeholder, tra cui l'analisi multicriteria e i modelli ad agenti; ricerca relativa al tema del cambiamento climatico in relazione ai trasporti e alla dipendenza energetica legata ai trasporti; produzione scientifica e partecipazione a conferenze nazionali e internazionali per presentare i risultati della ricerca. Partecipazione alle attività del dipartimento. Supporto alla didattica relativa alla pianificazione e progettazione dei sistemi di trasporto.

### Master Degree In Ingegneria Civile delle Acque e dei Trasporti (LM-23, DM 270/04)

**Università degli Studi di Catania** [ 01/10/2010 – 16/10/2012 ]

Address: Piazza Università, 2, 95124 Catania (Italy) | Website: [www.unict.it](http://www.unict.it) | Final grade: 110/110 e lode | Thesis: Agent based modelling of Community Involvement in Transport Planning

### Bachelor Degree in Ingegneria Civile (L-7, DM 270/04)

**Università degli Studi di Catania** [ 01/10/2006 – 19/07/2010 ]

Address: Piazza Università, 2, 95124 Catania (Italy)

## High school diploma

*Liceo Scientifico "Galileo Galilei" Catania* [ 09/2001 – 07/2006 ]

Final grade: 100/100

## LANGUAGE SKILLS

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**Mother tongue(s):** Italiano

**Other language(s):**

### Inglese

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

### Spanish

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

### French

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

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transport modelling / Agent Based Modeling / qgis

## RESEARCH ACTIVITIES

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### Research activities

The research focuses mainly on the following topics:

- Transport planning, with particular reference to models and methods to support participated decisions and stakeholder engagement, including multi-criteria analysis, agent-based models and discrete choice models
- Sustainable mobility, climate change and transport energy dependence
- Methods and models for the design of pedestrian networks
- Urban freight transport and policies to promote the efficiency and sustainability of city logistics
- Analysis of the quality of public transport and information systems based on new technologies
- Innovative, shared and on-demand transport systems according to Shared Mobility and Mobility as a Service

Dr. Le Pira is the Scientific Responsible for the University of Catania of the PRIN 2022 PNRR Project **BEC2SCHOOL - Building Empowerment and Community Concerns via transport sensors in SCHOOLS** (2023-2025)

Dr. Le Pira is a member of the research group of the University of Catania, coordinator of the European project **"IN-MOB – Innovative Products For Sustainable Micromobility"** (Project 101115057)

Dr. Le Pira was involved in the research activities of the following national and international projects, e.g.:

- **GRABS** (Green and Blue Space Adaptation for Urban Areas and Eco Towns) (EU INTERREG, 2008-2011)
- **PORTA** (PORTs as a gateway for Access inner regions) (MED programme, 2010-2013)

- **DOROTHY** (Development of regional clusters for research and implementation of environmentally friendly urban logistics) (FP7) (collaboration with the UPV research group during the Erasmus Exchange Programme visit at UPV) (2013-2016)
- **CITYLAB** (City Logistics in Living Laboratories) (H2020, 2015-2018)
- **WEAKI-TRANSIT** (WEAK-demand areas Innovative TRANsport Shared services for Italian Towns) (PRIN 2017, 2020-2023)

## EDITORIAL ACTIVITY

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[ Current ]

### Editorial activity

She acted as **guest-editor** of the Journals "Research in Transportation Economics" (Elsevier), "Sustainability" (MDPI), "Research in Transportation Business and Management" (Elsevier) and "Scientific Reports" (Springer Nature).

She is serving as **Associate Editor** of the Journal "Research in Transportation Business and Management" (Elsevier), **Academic editor** of Journal of Advanced Transportation (Wiley-Hindawi), she is a member of the **Editorial Board** of "Research in Transportation Economics" (Elsevier), "Scientific Reports (Springer Nature)", "Transport and Sustainability" (Emerald Publishing), "European Journal of Transport and Infrastructure Research" (TU Delft Open).

She is the co-editor of the "Handbook on City Logistics and Urban Freight" (Edward Elgar Publishing)

## PARTICIPATION TO ORGANIZING COMMITTEES

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[ Current ]

### Organizing Committees

- **Chair and Scientific Committee Coordinator** of the international conference TIS Roma 2024 (Roma, 19-20 September 2024)
- **Organizing Committee** member of the international conference TIS Roma 2019 (Roma, 23-24 September 2019) and TIS Roma 2022 (15-16 September 2022)
- **Organizing Committee** member of the international conference EWGT 2020 (Paphos, 16-18 September 2020)
- **Organizing Committee** member of the international conferences ABMTRANS 2021 (Warsaw, 23-26 March 2021) and ABMTRANS 2023 (Leuven, 15-17 March 2023)

## PRIZE AND AWARDS

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### Prize and awards

Dr. Le Pira obtained the national certification by Italian **National Scientific Qualification** ("**Abilitazione scientifica nazionale**"-ASN 2016) as Associate Professor of Transport systems (7/Sept/2018-29) and the **National Scientific Qualification** ("**Abilitazione scientifica nazionale**"-ASN 2021) as Full Professor of Transport systems (17/Dec/2023-34).

She is the **winner** of the **INTERNATIONAL JOURNAL OF TRANSPORT ECONOMICS (IJTE) PRIZE - III EDITION** with the paper "Transport planning with stakeholders: an agent-based modelling approach".

## Other recognitions:

- “MOST INNOVATIVE IDEA award” received at the international conference ISAHP2018 (Hong Kong, 12-15 July 2018) for the work “An ANP model to improve pedestrian accessibility in the city center of Cartagena de Indias” (authors: Monica Garcia-Melon, Hannia Karime Gonzalez, Michela Le Pira, Giuseppe Inturri)
- Recognition by the European Commission of the "Seal of Excellence" for the project proposal "AGEBACK: Incorporating agent-based models in collaborative backcasting scenarios" submitted together with the Universidad Politecnica de Madrid (Spain) in response to the call "Marie Slodowska-Curie actions 2017" (H2020-MSCA-IF-2017) and assessed as high-quality proposal.
- Master Degree Award in memory of “Prof. Eng. Giorgio Beltrami” for the year 2012 with the thesis “Agent based modelling of Community Involvement in transport planning”
- “Best Degree Thesis 2010” Award by ORSA and Coordinamento Palermo Ciclabile – FIAB with the thesis “Adattamento al cambiamento climatico nelle aree urbane per promuovere la mobilità sostenibile: una proposta metodologica applicata alla Città Universitaria di Catania”

## PARTICIPATION TO INTERNATIONAL CONFERENCES

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### Main International conferences

- **4th AIIT INTERNATIONAL CONFERENCE ON TRANSPORT INFRASTRUCTURE AND SYSTEMS (TIS Roma 2024)** (Rome, 19th-20th September, 2024)
- **Seminar on “Challenges in future scenarios research for mobility and urban planning”** (Madrid, 22-23 february 2024)
- **“ICTCT 2023 - Challenges and actual opportunities offered by new technologies to improve traffic safety”** (Catania, 26-27 October 2023)
- **3rd AIIT 2ND INTERNATIONAL CONGRESS ON TRANSPORT INFRASTRUCTURE AND SYSTEMS (TIS Roma 2022)** (Rome, 15th-16th September, 2022)
- **VREF conference on Urban Freight 2021 – Online (23<sup>rd</sup> – 25<sup>th</sup> March, 2021, virtual event)**
- **IEEE - Forum ISTS2020 (Forum on Integrated and Sustainable Transportation Systems)** (Delft, The Netherlands, November 3-5, 2020 – virtual event)
- **23rd Euro Working Group on Transportation (EWGT) 2020** (Paphos, Cyprus, September 16-18, 2020 – virtual event)
- **Transportation Research Board (TRB) Annual Meeting 2020** (Washington D.C., USA, January 12–16, 2020)
- **2nd AIIT 2ND INTERNATIONAL CONGRESS ON TRANSPORT INFRASTRUCTURE AND SYSTEMS IN A CHANGING WORLD (TIS Roma 2019)** (Rome, 23<sup>rd</sup>-24<sup>th</sup> September, 2019)
- **8th Symposium of the European Association for Research in Transportation (hEART 2019)** (Budapest, Hungary, 4-6 September 2019)
- **15th World Conference on Transport Research (15th WCTR)** (Mumbai, 26th-31st May 2019)
- **21st Euro Working Group on Transportation (EWGT) 2018** (Braunschweig, Germany, 17-19 September 2018)
- **International Conference on Optimization and Decision Science (ODS) 2018** (Taormina, Italy, 10<sup>th</sup>- 13<sup>th</sup> September, 2018)
- **20th Euro Working Group on Transportation (EWGT) 2017** (Budapest, Hungary, 4-6 September 2018)
- **14th NECTAR International Conference: Transport in a networked society** (Madrid, 31st May – 2nd June 2017)
- **International Congress on Transport Infrastructure and Systems (TIS Roma 2017)** (Rome, 10th-12nd April 2017)
- **14th World Conference on Transport Research conference (14<sup>th</sup> WCTR)** (Shanghai, 10th-15th July 2016)

- **URban freight and BEhavior change (URBE)** conference (Roma Tre University, Rome, Italy, 1-2 October 2015)
- **18th Euro Working Group on Transportation (EWGT) 2015** (Delft, The Netherlands, 14<sup>th</sup>-16<sup>th</sup> July 2015)
- **The 4th International Workshop on Agent-based Mobility, Traffic and Transportation Models, Methodologies and Applications (ABMTRANS)** (London, UK, 2<sup>nd</sup>-5<sup>th</sup> June 2015)
- **International Conference "Climate Change and Transport"** (Karlsruhe, Germany, 9<sup>th</sup>-10<sup>th</sup> October 2014)
- **13<sup>th</sup> World Conference on Transport Research conference (13<sup>th</sup> WCTR)** (Rio de Janeiro, 15<sup>th</sup>-18<sup>th</sup> July 2013)

## OTHER INFORMATION

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### Other information

She is a Member and currently **Director of AIIT Studies and Research Centre** of the Italian Association for Traffic and Transport Engineering (**AIIT**).

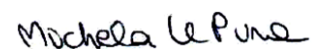
Research profiles:

[https://www.researchgate.net/profile/Michela\\_Le\\_Pira](https://www.researchgate.net/profile/Michela_Le_Pira)

<https://scholar.google.it/citations?user=7hEhahoAAAAJ&hl=it&oi=sra>

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Catania, 22/10/2024



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