

NATALIA SELINI HADJIDIMITRIOU

University of Modena and Reggio Emilia

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TITLES OF STUDY

University of Bologna 2012 - 2015

PhD in Automatics and Operations Research.

Final dissertation title: Classification Algorithms for Intelligent Transport Systems (earned April 10, 2015).

University of Bologna 2003 - 2005

Master in Statistics, Business and Markets class 37 Statistical Sciences Score: 110/110.

University of Bologna 2001 - 2003

Bachelor's degree in Statistics and Economics class 91/S Economic, Financial and Actuarial Statistics.

ACADEMIC EXPERIENCE

University of Modena and Reggio Emilia 1 March 2024 - February 28, 2026

Researcher t.d. art. 24 c. 3 letter A

- The extension contract was created using funds from the EU project NOUS,G.A. 101135927. S.S.D. ING-INF/05 (Information processing systems). Duration: two years.

University of Modena and Reggio Emilia 1 March 2021 - 29 February 2024

Researcher t.d. art. 24 c. 3 letter A

- The contract was created using industry and department funds. Duration: three years.

University of Modena and Reggio Emilia 16 January 2018 - 15 June 2020

Research Fellowship

- Networks and Systems for the Management and Promotion of Electric Mobility - NeMo European Project, G.A. 713794. S.S.D. MAT/09 (Operations Research). Duration: two years (including five months of mandatory maternity leave from December 2019 to May 2020).

University of Modena and Reggio Emilia 1 October 2015 - 15 January 2018

Research Fellowship

- The economic and social aspects in road safety, with specific reference to eCall and the topics of the European project IHEERO (Infrastructure Harmonised eCall European Pilot). S.S.D. MAT/09 (Operations Research), MAT/08 (Numerical Analysis). Duration: two years and three months.

University of Modena and Reggio Emilia 1 September 2010 - 31 December 2011

Research Fellowship

- Development and implementation of transport and logistics systems within the project CITYLOG - Sustainability and efficiency in city logistics, Small and medium scale focused research project, funded under the VII Framework Research Program, TRANSPORT, FP7-SST-2008-3.1.4. Grant Agreement no.: 232756 - S.S.D. MAT/09 (Operations Research). Duration: one year and four months.

EXPERIENCES IN TEACHING

University of Modena and Reggio Emilia

A.Y. 2024-2025

Lecturer of the teaching Data Science and Management of the first year of the Master's Degree Programme in Management Engineering (Area: ICT-Data management) (27 hours, 3 CFU).

University of Modena and Reggio Emilia

A.Y. 2024-2025

Lecturer of the teaching Information Systems (S.S.D. ING-INF/05) of the second year of the Degree in Management Engineering (54 hours, 4 CFU).

University of Modena and Reggio Emilia

A.Y. 2023-2024

Lecturer of the teaching Information technology tools and methodologies for e-learning (S.S.D. ING-INF/05) of the first year of the Master Degree in Theories and Methodologies of Digital Learning (21 hours, 3 CFU).

University of Modena and Reggio Emilia

A.Y. 2022-2023

Lecturer of the teaching Information Systems (S.S.D. ING-INF/05) of the second year of the Degree in Management Engineering (72 hours, 9 CFU).

University of Modena and Reggio Emilia

A.Y. 2022-2023

Lecturer of the teaching Information Systems (S.S.D. ING-INF/05) of the second year of the Degree in Management Engineering (72 hours, 9 CFU).

University of Modena and Reggio Emilia

A.Y. 2021-2022

Lecturer of the teaching Information Systems (S.S.D. ING-INF/05) of the second year of the Degree in Management Engineering (72 hours, 9 CFU).

University of Milan-Bicocca

A.Y. 2017-2020

Adjunct Professor for the Data Science Lab course of the Master's Degree in Data Science (25 hours, 3 CFU). Tutor for the Data Science Lab course.

University of Milano-Bicocca

A.Y. 2018-2019

External collaborator for teaching support for the Industry Lab course of the Master's Degree in Data Science. Teaching machine learning for predictive maintenance (15 hours, 2 CFU).

University of Modena and Reggio Emilia

A.Y. 2018-2019

Teaching Machine Learning for the doctoral course Industrial Innovation Engineering (15 hours, 4 CFU).

Advanced course in Data Science organized by *Young Talent in Action*

2018

Young Talent in Action is a free training project implemented by ManpowerGroup Italy, with the support of the Human Age Institute Foundation, and organized in collaboration with Tree. Teaching Data Mining and Machine Learning with Python and R (28 hours).

RESEARCH

Areas of Interest

- Natural language processing (NLP) algorithms to identify the main topics of interest (data sharing practices, attitudes toward autonomous driving) in the context of interviews with key stakeholders.
- Combine NLP techniques with qualitative analysis methods such as grounded theory
- Identification and extraction of traveler behavior patterns from data generated by intelligent transportation systems.
- Develop new applications based on SAR and optical image change detection algorithms.

- Urban informatics using user-generated data to estimate the demand and supply of transport and analyze traveler behavior.
- Develop new (machine learning) algorithms for energy management in local energy communities and predict energy consumption.

Participation in Projects

- **Principal Investigator** of a collaborative research project between the Department of Engineering Sciences and Methods at the University of Modena and Reggio Emilia and ON-AIR Consulting & Solutions Srl, focusing on data fusion from satellite images. Duration: July 2024 – March 2025.
- Participation as a **Researcher** in the project NOUS - A catalyst for European CLOUD Services in the era of data spaces, high-performance and edge computing - The NOUS project aims to create an architecture of a European Cloud Service that allows computational and data storage resources to be used from edge devices as well as supercomputers, through the HPC network, and Quantum Computers to unlock unprecedented potential for businesses, research institutions, and individuals alike. Program: Horizon Europe. Duration: 2024 – 2027.
- Participation as a **Researcher** in the project KEYSTONE - Knowledgeable comprehensive and fully integrated Smart solutions for resilient, sustainable and optimized transport operations. Program: Horizon Europe. The project aims to facilitate the exchange of data between transport authorities, professionals and other actors in the mobility sector in Europe. The research will focus on developing knowledge and a cloud solution, which aims to simplify data sharing. Duration: 2021 – 2024.
- Participation as a **Researcher** in the project MobiDataLab - Labs for prototyping future Mobility Data sharing cloud solutions. Program: H2020. Duration: 2021 – 2024. The project aims to facilitate the exchange of data between transport authorities, professionals and other actors in the mobility sector in Europe. The research will focus on developing knowledge and a cloud solution, which aims to simplify data sharing. Duration: 2021 – 2024.
- Participation as a **Researcher** in the project 5G-LOGINNOV - 5G creating opportunities for Logistics supply chain INNOVation. Program: H2020. The project aims to develop an innovative system for the integration and validation of CAD/CAM technologies related to Industry 4.0 and port services, giving rise to new opportunities in the field of logistics supply chain value chain innovation. Duration: 2020 – 2023.
- Participation as a **Researcher** in the project eCharge4Drivers - Electric Vehicle Charging Infrastructure for improved User Experience. Program: H2020. The project aims to improve the electric vehicle charging experience. My contribution includes supporting the management of WP1 and identifying study questions and KPIs. Duration: 2020 – 2024.
- Participation as a **Researcher** in the project FENIX - A European Federated Network of Information eXchange in Logistics. Program: CEF. The project aims to support the development, validation and use of a digital information system along transport corridors in Europe. Contribution to pilot site evaluation activities. Duration: 2019 – 2022.
- Participation as a **Researcher** in the project ELVITEN - Electrified L-category Vehicles Integrated into Transport and Electricity Networks. Program: H2020. The project demonstrates the utility of light electric vehicles for urban transport. The focus is bicycles, scooters, tricycles and quadricycles. I was responsible for the identification of study questions and KPIs. Duration: 2017 – 2020.
- Participation as a **Researcher** in the project PLAN4RES Synergistic Approach of Multi-Energy Models for a European Optimal Energy System Management Tool. Program: H2020. The project aims to increase the use of renewable energy sources in the European energy system without compromising system reliability. I contributed to the deliverable regarding data collection. Duration: 2017 – 2020.
- Participation as a **Researcher** in the project CO-GISTICS - Cooperative ITS Deployment in Logistics Hubs. Program: CIP. The project aims to use cooperative and intelligent transportation systems in the logistics sector. I was in charge of the cost-benefit analysis of the services developed and tested within the project. Duration: 2014 – 2017.

- Participation as **WP and Task Leader** in the project NEMO - Hyper-Network for elctro-Mobility. Program: H2020. The project aims to develop a cloud platform of information services for electric mobility. Work Package Leader of WP1 User Needs and Requirements. Task Leader of T6.4 Tests conduct, validation and impact assessment and T7.2 Process and system to ensure quality and service level. Duration: 2016 – 2019.
- Participation as **Coordinator** of the Italian pilot in the project IHeERO - Infrastructure Harmonized eCall European Pilot. Program: CEF. Support the coordination of Italian partners and analysis of a two-wheeled vehicle accident database for the development of an eCall system for two-wheeled vehicles. Duration: 2015 – 2018.
- Participation as **WP and Task Leader** in the project HeERO2 Harmonized eCall European Pilot - Phase 2. Program: ICT-PSP. Work Package 6 Leader Barriers and enablers to the implementation of eCall services in Europe. Duration: 2013 - 2014.
- Participation as **Secretary of the COST Action TD1207 - Mathematical Optimization in the Decision Support Systems for Efficient and Robust Energy Networks**.
- Participation as a **Researcher** in the project MMOVE - Mobility Management oVer Europe: Changing Mobility Patterns. Program: INTERREG IVc. Consultancy for the Municipality of Reggio Emilia for the execution of activities concerning the transferability of good practices on mobility management. Duration: 2008 - 2012.
- Participation as a **Researcher** in the project CITYLOG - Sustainability and efficiency of city logistics. Program: FP7. Support for the execution of project activities aimed at developing an innovative system of more efficient and sustainable urban transport vehicles and solutions. Duration: 2010 - 2012.
- Participation as a **Researcher** in the project ECOTRA - Energy use and cost in freight transport chains. Responsible for researching information for the analysis of the entire value chain of coffee transport, from raw materials to end consumers to determine energy use, transport use and costs.
- Participation as a **Researcher** in the project Analysis of transport infrastructure investments in the new member states of the European Union, a project funded by the Ministry of Economy. I contributed to the activities of the project, including in connection with the preparation of the Master's thesis.
- Participation as a **Researcher** in the project TRALOMED. I helped carry out a regional analysis of transportation and logistics systems in the Mediterranean with the aim of supporting Italian companies in their search for new business partners.

Collaborations with other international institutes and research organizations

Zuse Institute Berlin (ZIB)

1 December 2015 - 30 June 2019

- 1 December 2015 - 31 January 2016. **Scientific Mission** (two months) funded by COST Action TD1207. Natural gas demand analysis and classification of nodes in a natural gas transportation network.
- 1 May 2016 - 31 May 2016. **Scientific Mission** (one month) funded by COST Action TD1207. Development and implementation of a neural network model for natural gas prediction.
- 14-25 November 2016, 19-30 June 2017, 9-20 April 2018, 13-24 May 2019 and 24-28 June 2019. **Visiting Researcher at ZIB**.

City University London

1 December 2014 - 30 April 2015

- 1 December 2014 - 30 April 2015. **Scientific Mission** (five months) funded by COST Action TransITS TU1004 Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems. Classification of Live Bus Arrivals information system usage data.
- 1 May 2013 - 30 June 2013. **Scientific Mission** (two months) funded by COST Action TransITS TU1004. Analysis of database of real-time bus arrival inquiries.

PUBLICATIONS

Scientific Journals

- J10. Giardini, F., Hadjidimitriou, N. S., Mamei, M., Bastardi, G., Codeluppi, N., & Pancotto, F. (2023). Using mobile phone data to map evacuation and displacement: a case study of the central Italy earthquake. *Scientific reports*, 13(1), 22228.
- J9. Hadjidimitriou, N. S., Lippi, M., & Mamei, M. (2023). Explaining population variation after the 2016 Central Italy earthquake using Call Data Records and Twitter.
- J8. Petkovic, M., Chen, Y., Gamrath, I., Gotzes, U., Hadjidimitrou, N. S., Zittel, J., ... & Koch, T. (2022). A hybrid approach for high precision prediction of gas flows. *Energy Systems*, 13(2), 383-408.
- J7. Botti, A., Leach, M., Lawson, M., & Hadjidimitriou, N. S. (2022). Developing a meta-model for early-stage overheating risk assessment for new apartments in London. *Energy and Buildings*, 254, 111586.
- J6. Hadjidimitriou, N. S., Cantelmo, G., & Antoniou, C. (2023). Machine learning for activity pattern detection. *Journal of Intelligent Transportation Systems*, 27(6), 834-848.
- J5. Hadjidimitriou, N. S., Lippi, M., & Mamei, M. (2020). A data driven approach to match demand and supply for public transport planning. *IEEE Transactions on Intelligent Transportation Systems*, 22(10), 6384-6394.
- J4. Hadjidimitriou, N. S., Lippi, M., DellAmico, M., & Skiera, A. (2019). Machine learning for severity classification of accidents involving powered two wheelers. *IEEE Transactions on Intelligent Transportation Systems*, 21(10), 4308-4317.
- J3. Hadjidimitriou, N. S., Mamei, M., Dell'Amico, M., & Kaparias, I. (2017). Classification of Livebus arrivals user behavior. *Journal of Intelligent Transportation Systems*, 21(5), 375-389.
- J2. Ciscal-Terry, W., Dell'Amico, M., Hadjidimitriou, N. S., & Iori, M. (2016). An analysis of drivers route choice behaviour using GPS data and optimal alternatives. *Journal of transport geography*, 51, 119-129.
- J1. DellAmico, M., & Hadjidimitriou, S. (2012). Innovative logistics model and containers solution for efficient last mile delivery. *Procedia-Social and Behavioral Sciences*, 48, 1505-1514.

Conferences and workshops

- C15. Hadjidimitriou, N. S., Koch, T., Petkovic, M., Lippi, M., & Mamei, M. (2024). Analysis of the impact of COVID-19 and Russo-Ukraine war on natural gas transmission using time series forecasting. In *2024 International Conference on Management of Digital EcoSystems (MEDES-2024)*.
- C14. Turazza, F., Pietri, M., Hadjidimitriou, N. S., & Mamei, M. (2024). Forecasting Energy Availability in Local Energy Communities via LSTM Federated Learning. In *2024 International Conference on Management of Digital EcoSystems (MEDES-2024)*.
- C13. Rossini, E., Bicocchi, N., Hadjidimitriou, N. S., Pietri, M., Picone, M., & Mamei, M. (2024). Towards a Distributed Data Mesh Model for the IoTEdgeCloud Continuum in Smart Cities. In *International Workshop on Smart Moving (SMvg 24)*.
- C12. Hadjidimitriou, N. S., Lippi, M., Mamei, M., Nastro, R., & Koch, T. (2024). *International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE 2024)*.
- C11. Montero Fernandez, A., Mesonero Ronco, E., Remon, D., Rossini, R., ubic, T., Oliveira, M. A., Duarte, C. E., Nikoloudakis, N., Moreau, N., Moraitis, P., Hadjidimitriou, N. S., Mamei, M., Krokidas, P., Rekatsinas, C., Dimitrakis, P., Giannakopoulos, G., Valdeolmillos Villaverde, D., & Alonso, R. S. (2024). A catalyst for European cloud services in the era of data spaces, high-performance and edge computing: NOUS. In *Proceedings of the 4th Eclipse Security, AI, Architecture and Modelling Conference on Data Space (eSAAM '24)*. Association for Computing Machinery, New York, NY, USA.
- C10. Hadjidimitriou, N. S., Renzi, G., Apruzzese, M., Perboli, G., & Musso, S. (2023). Identifying 5G technology enablers in the maritime sector using survey and Twitter data. In *2023 IEEE 47th Annual Computers, Software, and Applications Conference (COMPSAC) (pp. 1897-1902)*. IEEE.

- C9. Apruzzese, M., Hadjidimitriou, N. S., Pautasso, E., & Falbo, M. (2023). Connecting Data Providers with Data Consumers: the 5GMETA Data Monetisation Framework. In 2023 IEEE 47th Annual Computers, Software, and Applications Conference (COMPSAC) (pp. 1896-1901). IEEE.
- C8. Hadjidimitriou, N. S., Lippi, M., & Mamei, M. (2021, October). Activity Imputation of Shared e-Bikes Travels in Urban Areas. In International Conference on Machine Learning, Optimization, and Data Science (pp. 442-456). Cham: Springer International Publishing.
- C7. Musso, S., Perboli, G., Apruzzese, M., Renzi, G., & Hadjidimitriou, N. S. (2022). Innovative Business Models in Ports' Logistics. In 2022 IEEE 46th Annual Computers, Software, and Applications Conference (COMPSAC) (pp. 1702-1707). IEEE.
- C6. Porelli, A., Hadjidimitriou, N. S., Rosano, M., & Musso, S. (2021). Enhancing ports competitiveness thanks to 5G enabled applications and services. In 2021 IEEE 45th Annual Computers, Software, and Applications Conference (COMPSAC) (pp. 1950-1955). IEEE.
- C5. DellAmico, M., Hadjidimitriou, N. S., & Renzi, G. (2020). Assessing the Impact of Shared L-Category Electric Vehicles in six European cities. In 2020 IEEE 23rd International Conference on Intelligent Transportation Systems (ITSC) (pp. 1-5). IEEE.
- C4. DellAmico, M., Hadjidimitriou, N. S., Koch, T., & Petkovic, M. (2018). Forecasting natural gas flows in large networks. In Machine Learning, Optimization, and Big Data: Third International Conference, MOD 2017, Volterra, Italy, September 14-17, 2017, Revised Selected Papers 3 (pp. 158-171). Springer International Publishing.
- C3. Hadjidimitriou, N. S., Dell'Amico, M., Cantelmo, G., & Viti, F. (2015). Assessing the consistency between observed and modelled route choices through GPS data. In International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS), Budapest, 216-222.
- C2. Hadjidimitriou, S. N., & Öörni, R. (2015). A framework for appraising European member states' readiness level for eCall deployment. In 2015 IEEE 18th International Conference on Intelligent Transportation Systems (pp. 2299-2304). IEEE.
- C1. Dell'Amico, M., Deloof, W., Hadjidimitriou, S., Vernet, G., & Schoenewolf, W. (2011). Citylogsustainability and efficiency of city logistics: The m-bbx (modular bentobox system). In 2011 IEEE Forum on Integrated and Sustainable Transportation Systems (pp. 132-135). IEEE.

Extended abstract

- A3. NS Hadjidimitriou, N.S., Iori, M., Kramer, R. & Mamei, M. (2018). Frequent travel clustering algorithm for public transport planning. 2nd Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2018).
- A2. Hadjidimitriou, N.S., Kaparias, I., & Dell'Amico, M. (2017). Investigating urban bus travel time reliability patterns in London using iBus Automatic Vehicle Locating and Live Bus Arrivals data. hEART 2017: 6th Symposium of the European Association for Research in Transportation, September 12 – 14, 2017 Haifa.
- A1. Dell'Amico, M., Hadjidimitriou, S., Iori, M., & Ciscal Terry, W. (2012). Multi-Objective Optimization to evaluate the factors influencing drivers' route choice. In Abstracts of the 12th International Conference on Reliability and Statistics in Transportation and Communication (Vol. 1, pp. 136-136). Transport and Telecommunication Institute.

Book chapter

- B2. N. Masuch and E. Eryilmaz and T. Kster and U. Pletat and J. Fhndrich and T. Theodoropoulos and M. Koukovini and N.S. Hadjidimitriou & N. Dellas (2020). Decentralized service platform for interoperable electro-mobility services throughout Europe. Towards User-Centric Transport in Europe 2: Enablers of Inclusive, Seamless and Sustainable Mobility, 184-199.
- B1. Capitolo I: Lo sviluppo tecnologico come driver del trasporto e della mobilità del futuro e Capitolo III: Politiche pubbliche di promozione e regolazione. In: Società Italiana di Politica dei Trasporti, *Innovazioni tecnologiche e governo della mobilità*, Rapporto 2018, Maggioli Editore.

Book

- L1. NS Hadjidimitriou, A Frangioni, T Koch, A Lodi (eds), *Mathematical Optimization for Efficient and Robust Energy Networks*, AIRO Springer Series. 2021.

PARTICIPATION IN PROGRAM COMMITTEES

Member of the scientific committee of the IX international conference on Machine Learning, Optimization, and Data Science (LOD 2023).

Member of the scientific committee of the VI international conference on Machine Learning, Optimization, and Data Science (LOD 2020).

Member of the scientific committee of the 5th international conference on Machine Learning, Optimization, and Data Science (LOD 2019).

Member of the scientific committee of the Fourth international conference on Machine Learning, Optimization, and Data Science (LOD 2018).

Member of the scientific committee of the EV-Sys 2018 workshop organized with the 9th ACM International Conference on the Future of Energy Systems (ACM e-Energy).

Local committee for the organization of the final conference *Mathematical Optimization in the Decision Support Systems for Efficient and Robust Energy Networks*.

Member of COST Action TD1207 *Mathematical Optimization in the Decision Support Systems for Efficient and Robust Energy Networks* and responsible for creating a wiki on optimization problems in the energy sector.

Member of COST Action TU1004 *TransITS - Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems*.

Member of the scientific committee of *VeRoLog 2012*, EURO Working Group on Vehicle Routing and Logistics optimization.

PEER REVIEW ACTIVITIES

Transportation Research C

Scientific Reports

Engineering Applications of Artificial Intelligence

Transportation letters: the International Journal of Transportation Research

Applied Network Science

IEEE Transactions on Intelligent Transportation Systems

Transportation

Wireless Personal Communications

SEMINARS

University of Bologna

2010 - 2019

Technological Development in the Transportation Sector. Annual seminar held since March 2010 as part of the Transportation Economics course.

University of Turin

January 29, 2018

Seminar on Technological Innovations in the Transportation Sector. Held as part of the Master of Science in Data Science for Complex Economic Systems course..

Modena and Reggio Emilia University March 21, 2017. Seminar on Data-Driven Techniques for the Analysis of Traveler Behavior.

SCHOLARSHIPS AND FUNDING

Modena and Reggio Emilia University 2024

FAR 2024 University Research Fund for the financing of interdisciplinary research projects

Modena and Reggio Emilia University 2023

FAR 2023 University Research Fund for the financing of interdisciplinary research projects

Ministry of Education, University and Research 1 January 2012 - 31 December 2014

Three-year doctoral fellowship funded by the Ministry of Education, University and Research.

University of Thessaly. 1 May 2005 - 31 July 2005

Postgraduate fellowship funded by the University of Bologna for research on methods for evaluating transportation infrastructure investments in Balkan countries (three months).

Free University of Amsterdam 20 August 2001 - 21 June 2002

Socrates-Erasmus Program. Courses taken and recognized: European Integration and Network Development, Modeling of Business Processes, Information Technologies, Geometry, and Management and Organization (nine months).

SCHOOLS

ACDL 2018 19-23 July 2018

Advanced Course on Data Science & Machine Learning. Advanced Course in Data Science and Machine Learning (one week).

CINECA 20-24 June 2016

School on scientific data analysis and visualization. The objective of the school was to provide the foundation for implementing algorithms for statistical analysis and machine learning to extract information from data (one week).

CINECA 14-16 December 2014

Tools and techniques for analyzing large datasets. The course covered the basics of Python MapReduce, and other technologies such as Hadoop and Spark, the basics of understanding an optimization problem, and strategies for data analysis (two days).

University of Naples 19-24 May 2014

Course on models and simulation of transport networks (one week).

Sant'Anna Scuola Universitaria Superiore Pisa and Chongqing University 8 February 2006 - 26 May 2006

Advanced course on society and economy in contemporary China. Studies concerning Chinese politics, economics, and society and supporting policies for companies and institutions active in the Chinese context.

Agricultural University of Athens. 18-22 July 2005

European Intensive Course in "Business management with emphasis in enterprises of the food industry.

University of Thessaly. 16-20 May 2005

European intensive course in "Tourism destination planning and management".

JOB EXPERIENCE

Interuniversity Consortium for Optimization and Operations Research (ICOOR) 10

February 2010 - ongoing

Project Manager

Management and coordination of European projects and development of new proposals.

Participate in activities organized by ERTICO ITS Europe and other affiliated associations to foster new project development.

Medidata Srl 14 September 2015 - 11 December 2015

Consultant

- Conducted two seminars on European project funding mechanisms.

Created a database of potential partners.

Chamber of Deputies, Transport Commission 11 March 2013 - 10 September 2014

Continuing coordinated collaboration

- Served as a consultant for the development of a new framework law for local public transport.

Interport Bologna Spa 7 January 2008 - 31 December 2009

Project Manager, fixed-term contract

Managed European (MEDIGATE, PROMIT, MOSES, Hinterport) and national projects focused on intermodal development in the freight transport sector and new project proposals writing (duration: two years).

Observatory Asia 1 September 2006 - 30 June 2007

Project collaborator

Conducted a comprehensive analysis of the competitiveness of the Chinese ceramic industry as part of a project funded by Confindustria ceramica (seven months in China and three months in Italy).

Nomisma Spa 5 January 2004 - 30 June 2004

paid internship

Performed statistical analysis for the agricultural cooperatives observatory.