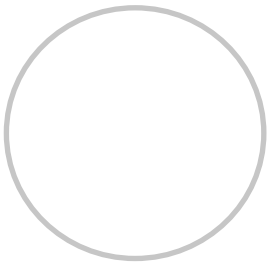
europass



HAOQI XIE

Nationality: Chinese **Date of birth:** 13/07/1993

EDUCATION AND TRAINING

Ph.D.: Logistics and Transportation

University of Genova [11/2021 – Current]

Country: Italy | **Field(s) of study:** Logistics and Transportation

Ph.D. Visiting Period

Department of Mechanical Engineering, Delft University of Technology [11/2023 – 11/2023]

Country: Netherlands

Master's Degree: Maritime and Port Economics and Management (Code: LM-77)

University of Genova [10/2017 – 09/03/2020]

Country: Italy

Bachalor's Degree: Duplice diploma on Logistics Management and English

SICHUAN International Studies University [08/2012 – 06/2016]

Country: China

WORK EXPERIENCE

Educational Support

University of Genova, Department of Economics [2020 – 2024]

- A.A. 2023----2024: 10 hours for the undergraduate course: Operations Research for Tourism and Revenue Management (code: 83700), Imperia, Italy;
- A.A. 2022----2023: 10 hours for the undergraduate course: Operations Research for Tourism and Revenue Management (code: 83700), Imperia, Italy;
- A.A. 2022----2023: 10 hours for the undergraduate course: Operations Research for the Management (code: 60077), Genova, Italy;
- A.A. 2020----2021: 10 hours for the undergraduate course: Operations Research for the Management (code: 60077), Genova, Italy.

Research Fellow

Italian Center of Excellence on Logistics, Transport and Infrastructures, University of Genova [01/2021 – 06/2021]

City: Genova | **Country:** Italy

6 months of research fellow in the Italian Center of Excellence on Logistics, Transport and Infrastructures (CIELI) f or the research project:
Management of containers in the yard: optimal sequencing of operations of moving equipment

Main work:

- data analysis;
- supporting the evaluation of a decomposition-based heuristic approach.

PROJECTS

[2022 – Current]

Optimization of the distribution of goods and materials for the residential center of Riomaggiore. Italian Center of Excellence on Logistics, Transport and Infrastructures (CIELI), University of Genova.

Main work:

- Literature study;
- Quantitative study for proposing a potential strategy;
- Elaborating a report and presentation for the municipal of Riomaggiore, Cinque Terre.

[2023 – Current]

Ecosystem RAISE (Robotics and AI for Socio-economic Empowerment), University of Genova, Italy The project is supported by PNRR, project Ecosystem RAISE

- SPOKE 4 – Sustainable Ports

Main work:

- Literature study on the Machine Learning techniques in container terminals.

LANGUAGE SKILLS

Mother tongue(s): Chinese

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Italian (certificate: CILS)

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Spanish

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

Programming skills:

Basic knowledge on Programming: Python, Java, C++ / Basic knowledge on PyTorch and TensorFlow

Optimization skills:

Optimization: GUROBI and CPLEX / Optimization: MPL and LINDO / Simulation environment: Witness

Texting skills:

Microsoft Office / LaTex

PUBLICATIONS

Ambrosino, D., Xie, H. (2023). A new classification schema for literature reviews on the applications of machine learning and optimization methods in maritime terminals: a focus on the seaside area. ODS 2023, AIRO Springer series, vol 12

Ambrosino D, Xie H. Optimization approaches for defining storage strategies in maritime container terminals[J]. Soft Computing, 2023, 27(7): 4125-4137.

Ambrosino, D., Xie, H. (2020). An Optimization Model for Defining Storage Strategies for Export Yards in Container Terminals: A Case Study. Lecture Notes in Computer Science, 12433 LNCS, pp. 119-132.

WORKING PAPERS

[2024]

Integration of Machine Learning and Operational Research techniques: a literature review on the seaside area in container terminals.

Haoqi Xie, Daniela Ambrosino

Submitted to Computers & Operations Research on 23, April 2024.

[2024]

An Optimization Research on Operations Sequence of Reach-stackers in Container Yard.

Daniela Ambrosino, Silvia Siri, Haoqi Xie

Working paper for submission to Computers & Operations Research

A machine learning-based Optimization Model for Defining the Storage Rules in container yard.

Daniela Ambrosino, Haoqi Xie.

Working paper for submission to Modelling

CONFERENCES AND SEMINARS

[14/02/2024 – 16/02/2024] University of Calabria, Rende

8 AIROyoung Workshop 2024

[04/09/2023 – 07/09/2023] Ischia, Italy

International Conference on Optimization and Decision Science ODS 2023

[21/09/2022 – 23/09/2022] University of Pompeu Fabra, Barcelona

International Conference on Computational Logistics ICCL 2022

[11/07/2021 – 14/07/2021] University of West Attica, Athens (Online)

European Conference on Operational Research EURO Athens 2021

[25/09/2020 – 28/09/2020] University of Twente, Enschede, The Netherlands (Online)

International Conference on Computational Logistics ICCL 2020