Alice Calamita

● EDUCATION AND TRAINING

NOV 2020 – CURRENT – Italy
PHD PROGRAM IN AUTOMATIC CONTROL, BIOENGINEERING AND OPERATIONS RESEARCH – Sapienza University of Rome

Address Italy | **Field of study** Operations Research

OCT 2018 – OCT 2020 – Italy
MASTER'S DEGREE IN MANAGEMENT ENGINEERING – Sapienza University of Rome

Address Italy | **Final grade** 110 Cum Laude |

Thesis Neural network as surrogate model for the optimization of membrane gas separation processes

OCT 2015 – JUL 2018 – Italy
BACHELOR'S DEGREE IN MANAGEMENT ENGINEERING – Sapienza University of Rome

Address Italy | **Final grade** 110 Cum Laude

● RESEARCH COLLABORATION

DEC 2020 – NOV 2022
Fondazione Ugo Bordoni

Study and research of combinatorial optimization, integer programming and deep learning methods applied to the design of mobile and fixed networks in LTE and 5G technology.

● ACADEMIC AWARDS & SCHOLARSHIPS

SEP 2021 – DEC 2021
Tutoring Scholarship at Sapienza University of Rome

Official tutor of the Ottimizzazione Combinatoria Course held for the Bachelor's Degree Course in Management Engineering.

2021
NATCOR Scholarship

Italian winner of the scholarship given by the Association of European Operational Research Societies (EURO).

2020 – CURRENT
Three-years PhD Scholarship at Sapienza University of Rome

2020
Scholarships for Thesis Abroad

Winner of two scholarships from Fondazione Roma Sapienza.

2019
Collaboration Scholarship at Sapienza University of Rome

Tasks: Customer and main services support.

2019
Highest Achieving Student Award at Sapienza University of Rome

First place in the ranking of the Sapienza highest achieving students of Management Engineering.

CONFERENCES

29 JUL 2022 – 30 JUL 2022
Europt 2022

19th International Workshop on Advances in Continuous Optimization, Lisbon, Portugal. Presenting author.

3 JUL 2022 – 6 JUL 2022
EURO 2022

32nd Conference of the Association of European Operational Research Societies, Espoo, Finland. Presenting author.

18 MAY 2022 – 20 MAY 2022
ISCO 2022

International Symposium on Combinatorial Optimization, Online.

23 MAR 2022 – 25 MAR 2022
AIROYoung 2021

6th AIRO Young Workshop on "Operation Research and Data Science in Public Services", Roma Tre University, Rome, Italy. Presenting author.

14 SEP 2021 – 17 SEP 2021
ODS 2021

International Conference on Optimization and Decision Sciences on "Optimization in Artificial Intelligence and Data Sciences", Statistical Department of Sapienza University of Rome, Rome, Italy. Presenting author.

7 JUL 2021 – 9 JUL 2021
Europt 2021

18th International Workshop on Advances in Continuous Optimization, Toulouse (online), France.

International Conference on Optimization and Decision Science on "Operations Research, Machine Learning, and Analytics", Online.

PUBLICATIONS

A compact formulation for the base station deployment problem in wireless networks

P. Avella, A. Calamita, L. Palagi
http://hdl.handle.net/11573/1601303 – 2022
Currently under review, already Tech. Rep. 1, Department of Computer, Control and Management Engineering Antonio Ruberti, Sapienza University of Rome, Italy

A computational study on the site and power assignment problem in wireless networks

P. Avella, A. Calamita, L. Palagi
Preprint

DIGITAL SKILLS

My Digital Skills

Core Competences

Operations Research | Data Analytics | Machine Learning

Programming Skills

PYTHON | R | AMPL | MATLAB | MySQL

Optimization Solvers

GUROBI | IBM CPLEX | FICO XPRESS | MOSEK | SCIP

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

ENGLISH