

Tommaso Mannelli Mazzoli

Curriculum Vitae

Favoritenstrasse 9-11, Vienna, Austria

1040

☎ +43 1 58801192219

✉ tommaso.mazzoli@tuwien.ac.at

🌐 www.dbai.tuwien.ac.at/user/tmannell/

Personal Data

born in Florence (Italy), 1993-09-22

Nationality Italian

Languages Italian (Native)

English (Good)

Spanish (Good)

German (Basic)

Education

Since 2021 **Ph.D. Student in Computer Science**, *TU Wien*, Vienna (Austria).

Advisor: Nysret Musliu

2019 – 2020 **Master of Science in Mathematical Engineering**, *Universidad Complutense Madrid*, Madrid (Spain), Double degree.

Advisor: Angel Felipe Ortega

2018 – 2020 **Master of Science in Applied Mathematics**, *University of study*, Florence (Italy).

Advisor: Stefania Bellavia

Thesis topic: The Quadratic Assignment Problem, Metaheuristic approaches

Area of Concentration: Combinatorial Optimisation

2013 – 2017 **Bachelor of Science in Mathematics**, *University of study*, Florence (Italy).

Advisor: Andrea Colesanti

Thesis topic: "Integration in finite terms: The Liouville's Theorem"

Area of Concentration: Differential Algebra

Research Interests

Metaheuristic methods

Hybridization of Metaheuristics with Exact Methods

Evolutionary Computation

Crew Scheduling Problems (in particular, Bus Driver Scheduling Problem)

Work Experience

Since 2021 **Project Assistant**, *Institute for Logic and Computation*, TU Wien, Vienna, Austria.

Funded by FWF project W1260-N35, Vienna Graduate School of Combinatorial Optimization

2017 – 2021 **Ambulance rescuer**, *Humanitas Firenze Nord*, Florence (Italy).

2014 – 2019 **Academic senator**, *University of study*, Florence (Italy).

2011 – 2021 **Maths and Physics's private tutor**.

Residence in Foreign Countries

Melbourne, Australia

Barcelona, Spain

March 2023-June 2023

September 2023-December 2023

Publication(s)

- 2023 **Lucas Kletzander, Tommaso Mannelli Mazzoli, Nysret Musliu, Pascal Van Hentenrick**, *Investigating Large Neighbourhood Search for Bus Driver Scheduling*, on-going.
- 2022 **Lucas Kletzander, Tommaso Mannelli Mazzoli, Nysret Musliu**, *Metaheuristic Algorithms for the Bus Driver Scheduling Problem with Complex Break Constraints*, Genetic and Evolutionary Computation Conference (GECCO 2022). <https://doi.org/10.1145/3512290.3528876>.

Seminars

I held seminars in the following events.

- Jan 2022 **VGSCO Colloquia**, *Metaheuristic Algorithms for Bus Driver Scheduling Problem with Complex Break Constraints*.
- Jun 2022 **DBAI Meeting**, *Metaheuristic Algorithms for Bus Driver Scheduling Problem with Complex Break Constraints*.
- Jun 2022 **VGSCO retreat**, *Tabu Search for Bus Driver Scheduling Problem with hard Break Constraints*.
- Jul 2022 **GECCO 2022**, *Metaheuristic Algorithms for Bus Driver Scheduling Problem with Complex Break Constraints*.
- Nov 2022 **Open Problems Sessions**, *Metaheuristic Algorithms for Bus Driver Scheduling Problem with Complex Break Constraints*.
- April 2023 **OPTIMA seminar** , *Solving the Bus Driver Scheduling Problem*.
Optima Arc, Melbourne, Australia
- October 2023 **Seminar** , *Solving the Bus Driver Scheduling Problem*.
IIIA-CSIC, Bellaterra, Spain

Other activities

- 2022 SIGEVO Summer School (<https://gecco-2022.sigevo.org/Summer-School>)

Knowledge

- Programming languages Python, Octave, Matlab, Fortran, L^AT_EX, C, Julia
- Software Gams, MiniZinc, SAS, SPSS

Languages

- Italian **Mother Language**
- English **Intermediate**
- Spanish **Intermediate**
- German **Basic**

Other Activities

- Hobby **Interested in Science and technology in general, languages, chess.**
- Others **Italian driving license B, AED operator.**