



Andrea Gasparin

● ABOUT ME

Researcher at the Operational Research Lab of the University of Trieste and Data Scientist interested in the application of Machine Learning to Optimisation

● EDUCATION AND TRAINING

01/10/2020 – 02/02/2024 Trieste, Italy

PH.D IN INDUSTRIAL AND INFORMATION ENGINEERING Università degli Studi di Trieste

2010

BACHELOR DEGREE IN MATHEMATICS Università degli Studi di Udine

Final grade 94 | **Thesis** Condizioni sufficienti di estremo in problemi variazionali

2020

MASTER DEGREE IN DATA SCIENCE AND SCIENTIFIC COMPUTING Università degli Studi di Trieste

Final grade 110 e lode | **Thesis** An integer programming model for a preference based inter airline slot trading

● WORK EXPERIENCE

31/08/2020 – 31/08/2021 Trieste, Italy

PRESIDENT ARTIFICIAL INTELLIGENCE STUDENT SOCIETY

Organisation conferences and activities regarding the AI and Data Science world

31/10/2020 – CURRENT

RESEARCHER OPERATIONAL RESEARCH LAB OF THE UNIVERSITY OF TRIESTE

Study the application on Machine Learning to improve the efficiency of Optimisation algorithms

2020 – 2022

RESEARCHER SESAR BEACON EU PROJECT

Develop flights' delay assignment mechanisms and related optimisation algorithms
Develop software environment and interface for project's simulations

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
FRENCH	B2	C1	B1	B1	A1

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

● DIGITAL SKILLS

C C++ | python anaconda | Programmazione JavaJava EE | Programmazione web Python Nodejs PHP
JavaScript HTML CSS

● ADDITIONAL INFORMATION

CONFERENCES AND SEMINARS

18/09/2021

On the Interplay Between Machine Learning and Discrete Optimization by Andrea Lodi

07/2018 – Lubjana

Sinergy summer school Efficient Multi-Objective Optimisation

11/11/2019 – Madrid

Engage: Novel and more effective allocation markets in ATM – the way forward Discussion on the progress of Sesar KTN project and analysis of ATM problematics from the behavioural economics perspective

Link <https://engagektn.com/wp-content/uploads/2019/10/Workshop-42-programme-Ed-2.0.pdf>

21/07/2020 – Webinar

BEACON KoM2 Discussion on the project's targets and KPIs

21/07/2020 – Webinar

Sesar: Towards higher level of automation (Part I) Overview on the state of the art of AI application in the ATM context

Link <https://www.sesarju.eu/webinars>

23/07/2020 – Webinar

Sesar: Towards higher level of automation (Part II) Overview on the state of the art of AI application in the ATM context

Link <https://www.sesarju.eu/webinars>

26/07/2020 – Webinar organizzato da Nommon

Working Session of the Engage project Presentation and discussion on new strategies for the flights' delay assignment mechanism UDPP implementation

07/05/2020 – Webinar

AI, Stats & COVID-19 Event organisation

Link <https://www.ai2s.it/events/ai-stats-covid>

04/09/2023 – 08/09/2023 – Bielefeld

Euro PhD School: Data Science Meets Combinatorial Optimisation

14/01/2024 – 19/01/2024 – Zinal

EPFL, Winter School on Data Science, Optimization and Operations Research