Veronica Asta – Curriculum Vitae

Personal Information

Education

Sept - Dec 2019	**CIRRELT -** Centre interuniversitaire de reserche sur les réseaux d'entreprise, la logistique, et le trasport **Visiting PhD candidate** Supervisor: Professor **Teodor G. Crainic** (UQAM, Canada)
Nov 2017 – July 2021	**CIELI – Italian Center of Excellence on Logistics, Transports and Infrastructures & Circle SpA** **PhD Course on Logistics and Transports** PhD Thesis defended the 15th July 2021
	PhD Thesis *"Port Rail Shunting Optimization Problems"*, Supervisor: Professor **Daniela Ambrosino** Dept. of Economics and Business Studies, University of Genova
2015 - 2017	**University of Genoa** **Master Degree in Maritime and Port Economy and Management** awarded the 16th October 2017 with mark 110/110 cum Laude
	Thesis on Maritime and Port Operations Optimization: *"Optimization models to design a new cruise itinerary: Costa Crociere case study".* Prof. Daniela Ambrosino, Prof. Anna Sciomachen, Dott. Federico Bartoli (Costa Crociere)
	Within this master course: ● Student Representative ● Tutor for "Simulation Techniques" course
2012 – 2015	**University of Genoa** **Bachelor Degree in Economy of Maritime Companies, Logistics and Transport** awarded the 1st October 2015 with mark 104/110
	Thesis on Operational Research:*"Project Management: Critical Path Method applied at the customs moment of goods in import at port of Genoa"* Prof.: Anna Sciomachen
2007 – 2012	**Scientific High School "G.Marconi", Chiavari (GE), Italy** **High school Diploma specializing in scientific subject** awarded on June 2012 with mark 100/100

Work Experiences

Jan 2021 (Current)	**OPTIMeasy Srls – Founder** Via F. Vivaldi 5, 12128 Genova - Italy
Jan 2021 (Current)	**Circle Group – Optimization Manager** Piazza Borgo Pila 40 (A/46), 16129 Genova – Italy • *Training course: Changing and Growing, Decisions and Responsibilities, Communicate and Collaborate*
Oct – Nov 2019	**University of Genova – Self-employment contract for research activities in the study subject of the collaboration between DIEC and MSC Cruises**
Oct – Dec 2018	**University of Genova - Teaching support activities (Operational Research for Management)**
2017 - 2020	**Circle SpA – Milos Optimization Team (PhD candidate)** Via Bombrini 13/3, 16149 Genova – Italy

Nov 2016 – Mar 2016	**Stage Office – Department of Economy – Assistant** University of Genoa
Jun 2016 – Aug 2016	**The Life Goddess (Restaurant) - Weitress** London, UK
Febr 2016	**MegaLED Ltd (Lighting Manufacturer) - Data management with Microsoft Excel** London, UK
From June 2010	Helping university collegues and students with their scientific homework

Skills

Languages	**Italian**: Mothertongue **English:** Professional
Social	Very good social skills. Excellent relational competence also acquired with cultural exchanges during the high school period (Spain, Finland, Holland, France, Switzerland, Germany). Teamwork during the university period reaching good results. Experienced in comparison with other people. Good listening ability and compliancy.
Organisational	Excellent organisational skills also acquired during the studying years.
Tools & Programming	Advanced: MS Office, MPL intermediate: Witness, CPLEX, GUROBI, Python basic: LINDO, C++, Matlab, Latex
Interests	Cooking, Travelling, Yoga Practice
Drive License	B

Veronica Asta
Academic information

Scientific Publications and Submissions

- Ambrosino, D., Asta, V., & Crainic, T. G. (2022). Port Rail Shunting Scheduling Problem. *Transportation Research Part E*, **submitted**.

- Ambrosino, D., Asta, V., & Crainic, T. G. (2022). Port Rail Shunting Scheduling Problem. *CIRRELT, Technical report*.

- Ambrosino, D., Asta V., Crainic T.G. (2021). Optimization challenges and literature overview in the intermodal rail-sea terminal. *Transportation Research Procedia*, 23rd EURO Working Group on Transportation Meeting, Volume 52, pages 163-170.

- Ambrosino, D., Asta, V. (2021). An innovative operations-time-space network for solving different logistics problems with capacity and time constraints. *Networks*, Special issue on Networks models and approaches for logistics and transportation, pages 1 – 18.

- Ambrosino, D., Asta, V. (2021). An optimization model to help cruise companies to evaluate their offer in a basin. In Proceedings of the 10th *International Conference on Operations Research and Enterprise Systems* - Volume 1: ICORES, ISBN 978-989-758-485-5, pages 375-383.

- Ambrosino, D., Asta, V. (2019). Intermodality and Rail Transport: Focus on Port Rail Shunting Operations. *Advances in Optimization and Decision Science for Society, Services and Enterprises*. Springer, Cham, pages 351-366.

- Ambrosino, D., Asta, V., Bartoli, F. (2019). A comparison of optimization models to evaluate the impact of fuel costs when designing new cruise itineraries. *AIRO Springer volume* "A view of operations research applications in Italy, 2018".

- Asta, V., Ambrosino, D., Bartoli, F. (2018). An optimization model to design a new cruise itinerary: the case of Costa Crociere, *Proceedings of 15th IFAC Symposium on Control in Transportation Systems*, June 2018, Savona, Italy.

Conferences

21st – 23rd Sep 2022 *planned*	**International Conference on Computational Logistics (ICCL 2022)** Barcelona, Spain Talk "Port Rail Shunting Re-scheduling Problem" (Ambrosino D., Asta V., Carotenuto P., Salvatore A.)
30th Aug – 2nd Sep 2022 *planned*	**International Conference on Optimization and Decision Science (ODS 22 - AIRO)** Florence, Italy Talk "Last mile and first mile trucks optimization" (Ambrosino D., Asta V., Siri S.)
3rd – 7th July 2022	**32nd EURO Conference 2022** Espoo, Finland Talk "Operations-time-space network for solving train scheduling problems in real port systems" (Asta V.)
14th – 17th Sep 2021	**International Conference on Optimization & Decision Science (ODS2021 - AIRO)** Rome, Italy Talk "Port Rail Shunting Optimization Problems" - PhD Thesis presentation (Asta V.)
16th –18th Sep 2020 *Virtual*	**European Working Group on Transportation Conference (EWGT2020)** Paphos, Cipro Talk "Literature overview of intermodal rail-sea terminal operations" (Ambrosino, Asta, Crainic)
4th-7th Sep 2019	**International Conference on Optimization & Decision Science (ODS2019 - AIRO)** Genova, Italy Talk "Intermodality and rail transport: focus on port rail shunting operations" (Ambrosino D., Asta V.)
11st-12nd Mar 2019	**2nd conference of the EURO Working Group on the Practice of Operations Research (EWG POR) -** OPERATION RESEARCH MEETS MACHINE LEARNING Bologna, Italy
1st-3rd Oct 2018	**9th International Conference on Computational Logistics (ICCL2018)** Salerno, Italy Talk "A comparison of optimization models to design a new cruise itinerary" (Ambrosino D., Asta V.)
10th-13th Sept 2018	**International Conference on Optimization & Decision Science (ODS2018 - AIRO)** Taormina, Italy Talk "A mathematical approach to evaluate the cruise itineraries' offer" (Ambrosino D., Asta V.)
26th-28th Jun 2018	**UIC Global Rail Freight Conference (GRFC)** Genova, Italy
6th-8th Jun 2018	**15th IFAC Symposium on Control in Transportation Systems (CTS2018)** Savona, Italy Talk "An optimization model to design a new cruise itinerary: the case of Costa Crociere" (Asta V., Ambrosino D., Bartoli F.)
7th-9th Mar 2018	**EURO Mini Conf. "Advances in Freight Transportation and Logistics"** Padova, Italy

Awards

- **Master Thesis** – won the Italian Cruise Day's master graduation thesis award – edition 2018 (awarded during the Italian Cruise Day – ICD 2018 – organized by "Risposte Turismo" the October 19, 2018, Trieste, Italy)

- **Master Thesis** – won the AIRO's (Italian Operations Research Society) master graduation thesis award – edition 2018 (awarded during the International Conference on Optimization and Decision Science - ODS2018 – organized by AIRO the September 10-13, 2018, Taormina, Italy)

- **Master Thesis** - presented as one of the 5 best master's thesis of University of Genova during academic year 2016/2017

Courses

19th – 25th Jan 2020	**Universidade de Lisboa –** Estoril, Portugal **Winter School on Network Optimization (NetOpt2020)**
12th – 17th Jan 2020	**Politecnico di Torino, CARS@POLITO and ICELab@Polito -** Torino, Italy **Excellence Course on Heuristic Search Methods for Combinatorial Optimization with Applications to Network Design and Routing** (T. G. Crainic, UQAM and CIRRELT, Montreal)
17th – 21st June 2019	**University of Genova - Department of Mathematics –** Genova, Italy **Machine Learning Crash Course - MLCC2019**
3rd – 7th June 2019	**Hapag Lloyd head office & Kuehne + Nagel offices –** Hamburg, Germany **Workshop week** (main topics: sustainability in shipping and ports, pricing elasticity and automatic booking acceptance)
26th – 29th Mar 2019	**Sapienza University of Rome - Department of Statistics –** Rome, Italy **AIROYoung Workshop and PhD School on «Advanced Methods in Optimisation and Data Science»** (AIROYoung, the youth chapter of AIRO, the Italian Operational Research Society)
7th – 9th Nov 2018	**CIELI – Italian Center of Excellence on Logistics, Transports and Infrastructures -** Genova, Italy **Economics of Transport Infrastructures** (Organized by TransportNET in collaboration with Aegean University, Antwerp University and University of Genoa)
3rd-7th Sept 2018	**CBS - Copenhagen Business School -** Copenhagen, Denmark **D3EMO: Modeling Week on Data Driven Decision Making and Optimization** (in collaboration with CBS - Copenhagen Business School, COST - European cooperation in science & technology, EURO – The Association of European Operational Research Societies, MI-NET)
22nd Jul–3rd Aug 2018	**Maich –** Chania (Crete), Greece **PhD Summer School on MCDA/MCDM** (in collaboration with EWG MCDA – Euro Working Group on Multi Criteria Decision Aiding, EURO - The Association of European Operational Research Societies, MCDM – Multi Criteria Decision Making)
1st-9th Mar 2018	**University of Padova –** Padova, Italy **Methods and models in freight transportation and logistics** (in collaboration with University of Padova, EWGT – Euro Working Group on Transportation)
During PhD years	**University of Genova –** Genova, Italy - **Econometrics** (completed with mark 27/30) - **Mathematics for economists** (completed) - **Programming 1 - C++** (completed with mark 30/30 cum laude) - **Methods and models for decisions support** (current)
15th – 17th May 2017	**Grandi Navi Veloci S.p.A. - Onboard M/N "La Superba"** route Genoa-Palermo-Genoa **"Workboard experience"**
22nd -27th Feb 2016	**Escola Europea of Short Sea Shipping -** Barcelona, Spain **Maritime and Trade Logistics** Course & team workshop on Logistics and Extra-EU Imports

Other

22nd June 2022	PERFORM Course **"CONTAINER SUPPLY CHAIN"** University of Genoa & Centro Internazionale Studi Containers **Lesson** "Digitalization and Optimization of the containerized logistics"
18th Mar 2022	Operational Research Orientation Seminars **"ROAR in AZIONE"** Università degli studi di Brescia, Istituto Istruzione Superiore G. Antonietti **Seminar** "Optimization of rail shunting operations in port area"

16th Dec 2021 Webinar **"Connecting EU Insights:** Innovative Technologies, Optimization and Green Transition: new challenges for digital and sustainable Ports and Terminal"
Circle Group
Speech "TEBETS project: Digital Twin in Maritime Terminal Area"

28th April 2021 Webinar **"Connecting EU Insights"**
Circle Group
Speech "Optimization and Digital Twin in the Rail Last Mile: patterns and applications"

Last updated: July 2022