

WORK EXPERIENCE

- A.A. 2021/2025 **Professore a contratto – Metodi e modelli per la logistica (MAT/09)**
Università di Roma “Sapienza”
Transportation
- 01.02.2006 - present **Transport Data Manager**
Trenitalia, Piazza della Croce Rossa, 1 - 00161 Rome (Italy)
Transportation
- 01.09.2004 - 31.01.2006 **Network Planning Expert**
Trenitalia, Piazza della Croce Rossa, 1 - 00161 Rome (Italy)
Transportation
- 01.03.2004 – 31.08.2004 **Researcher in automotive flexible metal stamping**
Lamier S.p.A, Turin (Italy)
Automotive

EDUCATION AND TRAINING

- 2020 **Evolutionary Leadership**
Bloom
- 2018 **Executive Program: Big Data Analytics Executive Program**
SDA Bocconi
- 2014 **Masters of Business Administration: Data Intelligence and Strategical Decisions**
Università “La Sapienza”, Piazzale Aldo Moro 5 - 00185 – Rome (Italy)
- 2013 **Ph.D. in Computer Science and Automation**
Università “RomaTre” – Via della Vasca Navale, 79 - 00146, Roma
- 2011 **EU Transport Policy and Railway Affairs**
College of Europe – Bruges (Belgium)
- 2010 **Operations Research Summer School**
CIRO – Bertinoro (Italy)
- 2003 **Engineer and MSc in Industrial Engineering**
Università “Federico II” – Piazzale Tecchio, 80 - 80125 – Naples (Italy)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Communication skills

- good ability to adapt to multicultural environments, gained through a work experience in many different teams at home and abroad, collaborating with younger and senior researchers;
- ability to teach computing skills to teachers and students;
- strong communication skills gained through my work experiences as University lecturer;
- able to empower others through integrity and ability to motivate the team;
- creativity and flexibility.

Organisational / managerial skills

- capacity in planning tasks and organizing team to achieve goals even under resources ad time constraints;
- strategic vision in dealing with new challenges;
- leadership and good ability to enhance employee's engagement and value;
- strong ability to positively influence and build relationships towards key stakeholders.

Digital skills

- Replace with your other computer skills. Specify in what context they were acquired. Example:
- strong command of several operating systems (Windows, Android, IOS, Linux, Mac OS);
- strong knowledge of Microsoft Office™ (Word™, Excel™, PowerPoint™) and engineering tools (Microsoft Project, Lingo, Cplex, Gurobi, Autodesk Autocad, MathWorks MatLab, Power Designer);
- expert at procedural and object oriented programming (Java, C#, VB.NET, C, C++);
- very strong command of data management and business intelligence;
- proficient in most of relational and object-oriented databases (Access, SQL Server, MySQL, Oracle DB);
- expert at data modelling.

Other skills

- sport, music
- literature
- travelling

Driving licence B

ADDITIONAL INFORMATION

Publications

L. Amorosi, P. Dell'Olmo, G.L. Giacco (2023)
An Integrated Model for High-Speed Rolling-Stock Planning and Maintenance Scheduling
Engineering Optimization (GENO).

G.L. Giacco, P. Dell'Olmo (2023)
Complex Intermodal Network Optimization
La Tecnica Professionale (CIFI)

G.L. Giacco, P. Dell'Olmo (2022)
Complex Intermodal Network Optimization
World Congress on Railway Research (Birmingham)

G.L. Giacco, L. Ferrone, D. Caputo, D. Venturelli, M. Magagnini, S. Casalegno (2019)
Quantum Assisted Solution of the Train Platforming Problem
World Congress on Railway Research (Tokyo)

L. Amorosi, P. Dell'Olmo, G.L. Giacco (2018)
Mathematical Models for On-Line Train Calendars Generation
Computers & Operations Research.

Giacco, G.L., Carillo, D., Gaglio, V. Gianfaldoni, R. (2016)
Train Monitor: A new android microcomputer aided driving system
11th World Congress on Railway Research.

Giacco, G.L., Gaeta, V., Gaglio, V., Gianfaldoni, R. (2016)
A novel approach for the railway undertaking pre-arranged paths optimization
11th World Congress on Railway Research.

G. L. Giacco, L. Amorosi, P. Dell'Olmo (2015)
A New Approach for Train Calendar Description Generation
Models and Technologies for Intelligent Transportation Systems (MT-ITS), Budapest, 3-5 June 2015.

G. L. Giacco, L. Amorosi, P. Dell'Olmo (2015)
A new mixed integer linear programming formulation for a maintenance problem in italian railways
CASPT 2015 – Rotterdam.

Giacco, G.L., D'Ariano, A., Pacciarelli, D. (2013)
Rolling stock rostering optimization under maintenance constraints.
Journal of Intelligent Transportation Systems.

Giacco, G.L., Carillo, D., D'Ariano, A., Pacciarelli, D. (2013)
Short-term rolling stock rostering and maintenance scheduling optimization.
Ingegneria Ferroviaria.

Giacco, G.L., D'Ariano, A., Pacciarelli, D. (2012)
Mixed-integer linear-programming formulations for a railway rolling stock circulation problem
Proceedings of the 12th International Conference on Advanced Systems for Public Transport, Santiago, Chile.

Projects

Giacco, G.L., D'Ariano, A., Pacciarelli, D. (2011)
Rolling stock rostering optimization under maintenance constraints

Proceedings of the 2nd International Conference on Models and Technology for Intelligent Transportation Systems, MT-ITS2011, pp. 1–5, 22-24 June 2011, Leuven, Belgium

- Train Platforming Problem in busy and complex transportation hubs;
- Timetable and Minimum Connection Time optimization;
- Network connectivity improvement;
- Passengers and freight pre-arranged paths optimization;
- Rolling stock maintenance problem;
- Multicompany and intermodal travel search engine;
- Rolling stock rostering optimization under maintenance constraints;

- High Speed rolling stock maintenance scheduling optimization;
- Rolling stock circulation problem;
- Indoor positioning using i-beacons and passengers flow optimization;
- ICT systems design for transportation optimization at European level;
- Innovative Train Control Systems;
- Mathematical Models for On-Line Train Calendars Generation.

Dati personali

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

Il sottoscritto dichiara di essere consapevole che il presente *curriculum vitae* sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.