

PERSONAL INFORMATION **Giovanni Luca Giacco**

WORK EXPERIENCE

-
- A.A. 2021/2022 **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

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- 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 and 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

- 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.
- 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

Projects

- 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.

Autorizzo la pubblicazione ai sensi del D.Lgs. n. 33/2013 e acconsento all'utilizzo delle informazioni ivi contenute ai sensi del D.L. n. 196/2003.