

Antonio Bellon

Resume

Cannaregio 1392/E

30121 Venezia

Italy

+39 340 502 3051

✉ toni.bellon@hotmail.it

Date of Birth: October 25, 1992

Current Position

2018–present **Internship trainee at IBM Italia**, *Global Business Services*, Milano.

Education

2006–2011 **Diploma**, *Liceo Classico M. Foscarini*, Venezia.

2011–2015 **Bachelor Degree: laurea triennale in matematica**, *Università degli Studi di Padova*, Dipartimento di matematica "Tullio Levi-Civita".

2015 – 2018 **Master Degree: laurea magistrale in matematica**, *Università degli Studi di Padova*, Dipartimento di matematica "Tullio Levi-Civita".
110/110

Abroad experience

2016–2017 **Erasmus exchange program**, *Universität Hamburg*, Fakultät für Mathematik, Informatik und Naturwissenschaften, Hamburg.
Average grade: *1.6*

Master thesis

title *A mathematical programming model for air traffic flow management with horizontal and vertical separation constraints*

supervisor Prof. Luigi De Giovanni

abstract A new integer programming (IP) model for instances of the air traffic flow management (ATFM) problem is presented. The model objective is to minimize flight delays costs. The problem is addressed through a combination of flow management actions, including ground holding, airborne holding and distribution by levels of air traffic. Exploiting the fact that nominal airspace sectors capacities are often lower than the actual observed capacities, two types of flights separation constraints are proposed in order to increase nominal sector capacities without incur in a loss of safety. Computational experiments and results are finally reported. In the thesis a Python program interfacing with the optimization software IBM ILOG CPLEX has been written to implement the proposed model.

Accademic background

- Operations Research *LP, ILP*
- Algorithms and data structures
- Probability *Stochastic Processes, Brownian Motion*
- Partial Differential Equations *Optimal Control, continuous Game Theory*
- Control Theory
- Mathematical models *traffic flow, computer tomography*
- Others *Differential Geometry, Algebra, Physics, Mathematical Physics, Mathematical Analysis, Numerical Analysis*

Languages

Italian	Native speaker	
English	B2	<i>Cambridge ESOL, First Certificate in English</i>
German	B1	<i>Universität Hamburg, Sprachenzentrum</i>

Computer skills

Programming languages	C, Python, Java, SQL, MatLab, Mathematica, AMPL	
Softwares	IBM ILOG CPLEX Optimization Studio	<i>(mathematical optimization)</i>
	IBM Cognos Analytics	<i>(report authoring)</i>
	LaTex	<i>(high level scientific writing)</i>
Operative systems	Windows, Ubuntu, MacOS	

Additional skills

- **Communication:** clarity, synthesis and precision, both in verbal and written communication. Public speaking experience.
- **Teamwork:** listening, comprehension and cooperation. Idea exchange and mediation. Networking in international contexts.
- **Adaptability:** strong flexibility, curiosity and open-mindedness. Self management, self-confidence and calmness.
- **Problem solving:** Logical reasoning, lateral and creative thinking. Brainstorming and mind mapping. Persistence.
- **Creativity:** Divergent and questioning thinking. Inspiration, imagination and insight.
- **Interpersonal skills:** Empathy and humor. Patience and tolerance.

- **Others:** Memory, good and fast learning, thirst for knowledge.

Interests

Music piano, trumpet, choral singing and arranging

Chess Intermediate player, peak FIDE rating: 1744 ELO pts.

Backgammon Amateur player

Valuable experiences

International delegate for Parent Project ONLUS at international conventions and meetings for national associations networking purposes (Rome February 2018, Madrid May 2018, Athens November 2018)