

Vito Musci

Education

- September 2015 – June 2016 **Master of Business Administration**, *Collège des Ingénieurs*, Paris, Turin, Munich.
International highly selective (5% admission rate based on merit) fully integrated MBA designed to prepare high potential engineering and science graduates for top-level management positions. Every candidate in the program will apply the learnt management competencies directly *on-the-job*, through the completion of a mission in a sponsoring company.
- 2012 – 2015 **Master of Science**, *Aerospace Engineering*, Politecnico di Torino, Italy.
Final grade: 110 out of 110 cum laude. *Grade Point Average*: 29.31/30.
Final year project carried out at NASA Jet Propulsion Laboratory, Pasadena, USA.
Dissertation title: *Development and Validation of a Ship Response Simulator*.
- 2011 – 2014 **Master of Arts**, *Statistics and Applied Mathematics*, Collegio Carlo Alberto, Moncalieri, Italy.
Degree awarded after successful completion of the *Allievi Honors Program*, an advanced English-taught study program in economics, statistics, and applied mathematics.
Dissertation title: *Optimal filtering one-dimensional diffusive signals*.
- September 2013 – March 2014 **Erasmus Exchange Program**, *Institut Supérieur de l'Aéronautique et de l'Espace*, SUPAERO, Toulouse, France.
French-taught M.Sc. Aerospace Engineering courses, with emphasis on Fluid Mechanics.
- 2009 – 2012 **Bachelor of Science**, *Aerospace Engineering*, Politecnico di Torino, Italy.
Final grade: 110 out of 110 cum laude. *Grade Point Average*: 29.25/30.
Final year project carried out at HES-SO Haute école spécialisée de Suisse occidentale, Geneva, Switzerland.
Dissertation title: *Two-phase fluids in microgravity conditions: an OpenFOAM analysis*.

Work Experience

- April 2015 – September 2015 **DIMEAS department**, *Politecnico di Torino*, Torino, Italy.
Research activities sponsored by MIUR scholarship, under the “Greening the Propulsion” program.
Research Topic: Development of a computer toolbox to predict the broadband noise propagating in a turbine stage.
- August 2014 – January 2015 **Jet Propulsion Laboratory (NASA)**, *California Institute of Technology*, Pasadena, USA.
Six-month internship to carry out M.Sc. Aerospace Engineering final year project.
Research Topic: Development and validation of a MATLAB toolbox for ship hydrodynamics modeling and simulation.
- August – September 2012 **Groupe de compétences en mécanique des fluides et procédés énergétiques**, *HES-SO Haute école spécialisée de Suisse occidentale*, Geneva, Switzerland.
Two-month internship to carry out B.Sc. Aerospace Engineering final year project.
Research Topic: Computational Fluid Dynamics analysis of a sponge-type Propellant Management Device.
- March – July 2012 **Part-time collaboration**, *Politecnico di Torino*, Torino, Italy.
Receptionist at university dormitory “Collegio Universitario Renato Einaudi”.

Awards

- May 2015 – January 2016 **Talenti per l'Impresa (Talents for Entrepreneurship) Project**, *Fondazione CRT*, Turin, Italy.
100-hour project aimed at offering managerial skills and tools to launch entrepreneurial projects or manage them at best.
- 18th February 2014 **Finalist at the "Rolls-Royce Student Mini-Lecture Competition"**,
Royal Aeronautical Society - Toulouse Branch, Toulouse, France.
20-minute lecture about B.Sc. Aerospace Engineering final year project in front of an audience of experts from the aerospace industry.
- April – June 2014 **Prisma Project**, *Learn German with Bosch*, Politecnico di Torino, Italy.
Bosch, in collaboration with the Milan and Turin Polytechnics, offers young engineering students the opportunity to learn German through the Prisma Project.
- May 2011 **AlfaClass Update Spring School**, *Fondazione CRT*, Turin, Italy.
Lectures, conferences and workshops of Theoretical and Applied Mathematics.
- September 2010 **AlfaClass Summer School**, *Fondazione CRT*, Turin, Italy.
Lectures, conferences and workshops of Theoretical and Applied Mathematics.

Languages

Italian	Mother tongue
English	Fluent
French	Very good
German	Basic

Cambridge Certificate of Advanced English (CAE) – level C1
Attestation Français Langue Étrangère de l'Alliance Française – level B2
Bosch Prisma Project – Abschlusstest 90/90 – level A1

Computer Skills

Operating systems	Mac Os X, Linux and Windows environments
Text editing	L ^A T _E X, Microsoft Word, iWork
Programming	C, Matlab, Fortran, OpenMP
Computation	Matlab, SCADE
Engineering software	Solidworks, OpenFOAM, Fluent, Patran, Nastran
Aerostructures	Patran, Nastran
Statistics	R, Stata
Management	Microsoft Project

Personal Skills

- High determination to accomplish goals and objectives.**
- Multidisciplinary skills.**
- Strong team-working capabilities, often in international teams.**
- Strong troubleshooting and problem-solving skills.**
- Strong communication capabilities.**
- Hard-working even in stressful situations.**
- Strong determination to find solutions and get practical results.**

Hobbies

Fitness, Running, Reading,
Music, Traveling, Event planning