



Marzia Corsi

Personal Details

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PROFILE

Technically-skilled and determinate MSc in Aerospace Engineering with a growth mindset and a passion for innovation in the aeronautical sector. Good communication, problem-solving and creativity skills developed working in an industrial and international environment. Leadership and Teamworking capabilities improved by holding leading roles in a European Association.

EDUCATION

- 09/2016 – 03/2020 **MSc in Aerospace Engineering** (Alma Mater Studiorum - University of Bologna)
Graduation Thesis in Aerospace Technologies and Materials: "Design of experiment analysis of additively manufactured negative stiffness structures for shock absorber applications".
Fraunhofer IAPT – Hamburg (Germany).
Internship: Topological Optimization of aeronautical structures. Innovative Manufacturing Technologies.
- 09/2012 – 10/2016 **BSc in Aerospace Engineering** (Alma Mater Studiorum - University of Bologna)
Graduation Thesis in Aeronautical Structures: "Comparison between the XRD and IHD techniques to compute the residual stresses".

WORK EXPERIENCE

Alma Mater Studiorum – University of Bologna

- 07/2020 – ongoing **Research Fellow**
Research activity:
HMI interaction modes for airport tower carried on in the framework of the DTT (Digital Technologies for Tower) project funded by the SESAR JU and part of the Horizon 2020 industrial research projects of SESAR funded in 2019.

Main task:

Develop and validate - by means of real time human-in-the-loop simulations – a novel human-machine interface which will tailor its content based on the specific user working position (i.e. Tower or Ground Controller), the specific phase of flight, and the actual visibility conditions. Moreover, the new interface concept will exploit multimodal interaction features to improve the user's performance.

EUROAVIA - The European Association of Aerospace Students

EUROAVIA, the European Association of Aerospace Students, represents the interests of over 2000 students from 42 universities in 18 European countries. Established in 1959, EUROAVIA wants to be a bridge between companies, universities and students.

11/2019 – ongoing	Affiliated Societies Working Group Coordinator
11/2019 – ongoing	Middle Board of Presidents Coordinator
10/2018 – ongoing	Southern Board of Presidents Coordinator
09/2017 – 11/2019	Co-founder and President of EUROAVIA Forlì-Bologna
09/2017 – 10/2018	German Board of Presidents Coordinator

Fraunhofer research institution for Additive Manufacturing Technologies IAPT

Fraunhofer IAPT is one of the 72 institutes and research units of Fraunhofer-Gesellschaft, a leading organization for applied research in Europe. In the facilities of Fraunhofer IAPT, located in Hamburg (Germany), knowledge gained in over fifteen years in the field of additive manufacturing is transferred to industrial applications.

04/2019 – 10/2019 Scientific Assistant

Main tasks:

- | Design of Multi-material Connection with FDM technique
- | Design of damping structures
- | Review of Molded Interconnect Device application in Automotive and medical sectors
- | Review of Electromagnetic Interference Shielding application in automotive sector

SKILLS

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|--|---------------------|
| Professionalism | Teamwork |
| Diplomacy | Attention to detail |
| Communication and interpersonal skills | Creativity |
| Time Management & Organization | Analytical thinking |
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SOFTWARE

- | Altair – Inspire
- | Fortus – Insight
- | Ultimaker Cura
- | Materialise Magics
- | Solidworks
- | Matlab
- | Latex
- | Office suite

LANGUAGES

- | Italian: Mother tongue
- | English: Fluent
- | German: Intermediate

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