


Curriculum vitae



Lucilla Dammacco

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Nationality Italian

WORK EXPERIENCE

February 2017 - September 2017 Internship - "Technical office Ing. Longo Gaetano" – Modugno (BA), Italy
Structural Analysis (Sliding systems for steel structures)

EDUCATION AND TRAINING

November 2020 – Present Ph.D. in Industry 4.0
Polytechnic of Bari -Italy

Work in the research group of Prof. M. Dotoli at the "Decision and Control Lab" in collaboration with Department of Mechanics, Mathematics & Management and Masmec S.p.A.

October 2017 – October 2020 M.Sc. in Mechanical Engineering
Polytechnic of Bari -Italy

Studies based mainly in Smart factory for Industry 4.0:
Industrial Augmented Reality, Additive Manufacturing and Reverse Engineering,
Manufacturing Process Modeling and Simulation, Design for Assembly and Disassembly
Simulation and Prototyping

M.Sc Thesis in Industrial Augmented Reality:
*"Presentation of technical instructions in Augmented Reality: getting
guidelines for the authoring"*

March 2020 – June 2020 International Program: Erasmus+ Traineeships for Jobs

University of Applied Sciences Würzburg-Schweinfurt
FHWS, Germany
Traineeship at the c-factory Laboratory in Schweinfurt

October 2011 – November 2017 B.Sc. in Mechanical Engineering
Polytechnic of Bari - Italy

*Bachelor Thesis in Mechanical Design and Machine Design "Structural analysis of
large-sized sliding door for the upgrading of hangar"*

Scientific High School
Scientific Lyceum – Amaldi, Bitetto (BA)

PROJECTS

- **M.Sc. Project in Augmented Reality**
“Saint Petersburg Travel Guide – AR app”
 - Design choices for tracking, animation, and interaction
 - Implementation with Unity 3D (AR App for Android)
- **M.Sc. Group Project in Industrial Augmented Reality**
“How to reduce the scrap rate and document maintenance procedures”
 - Background & Motivation, State of Art, Requirements, Storyboard
 - Proposed application, Design technical choices, Advantages and Limitations
- **M.Sc. Group Project in Additive Manufacturing and Reverse Engineering**
“Lightening of a quadcopter body (Parrot Bebop1) through Reverse Engineering and Rapid Prototyping”:
 - Photogrammetric image acquisition, alignment, mesh repair
 - Parametric Modeling, 3D Printing with FDM and Assembly
- **M.Sc. Group Project in Assembly and Disassembly Processes (Masmec collaboration)**
Designed a possible assembly manual and automatic line for the XL3.1 Long Injector

PUBLICATION

Conference Poster M. Gattullo, L. Dammacco, F. Ruospo, A. Evangelista, M. Fiorentino, J. Schmitt, A.E. Uva – “Design preferences on Industrial Augmented Reality: a survey with potential technical writers” IEEE International Symposium on Mixed and Augmented Reality (ISMAR), virtual conference, 2020.

PERSONAL SKILLS

Mother Language Italian

Other Languages *English*: good knowledge
German: beginner

Soft skills Responsibility, problem-solving, teamwork, flexibility, motivating.
Inclination to listening and learning new technical and professional competence.
Good communication and cooperation skills with people of different nationalities and cultures acquired through university experience and previous study internship and courses in Germany and USA (Erasmus: 4 months in Schweinfurt - Germany; EC School: 1 months in Los Angeles – California, USA)

Computer skills Microsoft Office Tools, AutoCad 2D, Autodesk Inventor, Solidworks, Creo PTC, Unity3D, Geomagic (Wrap, DesignX), Rhinoceros, Agisoft PhotoScan, Z-Suite, Arena Simulation

Certifications Solidworks CSWA – Dassault Systemes
ECDL Advanced Certificate – Module AM3 Word Processing – AICA - mark 87/100
ECDL Advanced Certificate – Module AM4 Spreadsheets – AICA - mark 94/100
ECDL Advanced Certificate – Module AM6 Presentation – AICA - mark 93/100