



Alessandro POLLA



03/26/1995 CUORGNE' (TO) ITALY

Nationality: Italian

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Alessandro Polla

EDUCATION

- 08/29/2017 - up to present * **Master's Degree in Aerospace Engineering**
Politecnico di Torino
- 07/15/2014 - 07/25/2017 * **Bachelor's Degree in Aerospace Engineering**
Politecnico di Torino
Thesis: Modellizzazione agli elementi finiti di alettoni e castello motore del velivolo S55 replica
The aim of the final test was to analyze the peculiarities of the S55 aircraft in all its aspects through modern technology and modern structural calculating software, trying to reread in modern terms the techniques and solutions that have been made to build the seaplane in the 20's.
The aim of the study is to analyze the components of the aircraft again by adopting structural modeling and structural analysis tools such as ANSA and NASTRAN, designed to evaluate and investigate the structure in detail of its parts.
Final grade 109/110
- 2014 * **high school diploma MATURITA' DI LICEO SCIENTIFICO TECNOLOGICO**
Final grade 95/100

TRAINING

- 02/01/2017 - 05/31/2017
(duration 60 hours) **Solidworks Professional CAD Designer. Prof Stefano Tornincasa CSWP Licence: C-3KXD4LTC6F**
Politecnico di Torino - Turin - ITALY
Certificates obtained: professional qualification
- 01/31/2017 - 05/01/2017
(duration 60 hours) **Solidworks Associate. Prof Stefano Tornincasa CSWA Licence: C-SKUFSLFAGA**
Politecnico di Torino - Turin - ITALY
Certificates obtained: skills declaration
- 01/01/2012 - 12/31/2012
(duration 1 years) **ECDL SKILLS CARD N° IT-1768723**
AICA - ITALY
Certificates obtained: skills declaration

INTERNATIONAL EXPERIENCE

- 08/01/2016 - 08/31/2016 **Using languages at work: Volunteer programme**
British Columbia, CA - CANADA

09/05/2011 - 09/09/2011 [Lewis School of English](#)
Southampton - UNITED KINGDOM

PROFESSIONAL EXPERIENCE

03/01/2017 - 06/17/2017 [BSc Thesis](#)
BETA CAE Italy, www.beta-cae.com - Turin - ITALY
Structural analysis with pre-processor ANSA, META solver or MSC Nastran solver.
Title: Modellizzazione agli elementi finiti di alettoni e castello motore del velivolo S55 replica.
Thesis project

03/01/2017 - up to present [FEM Analysis Division Member](#)
Replica55 & BETA CAE Italy: www.replica55.it, www.beta-cae.com - Turin - ITALY
"Replica 55" brings together a group of professionals and enthusiasts in the aeronautics industry who have a precise and absolute goal: design, build and fly the faithful replica of the SIAI MARCHETTI S-55X aircraft, one of the most iconic aircraft in our history. In order to share to the future generations the design genius of its designer, ALESSANDRO MARCHETTI, and the heroic gestures of those who made it great: FRANCESCO DE PINEDO, ITALO BALBO, UMBERTO MADDALENA and all the crews that took part in the numerous cruises around the world of the 1920s and '30s.
External collaboration contract

01/01/2016 - 06/30/2016 [CAD Designer of TORO](#)
Team DIANA - Politecnico di Torino - ITALY
Team DIANA, stands for "Ducti Ingenio Accipimus Naturam Astrorum", it is a student group from Politecnico di Torino that was born in order to improve and promote space robotics knowledge inside the university. The team is working on engineering model and mobility system of Martian rover.
Supplementary Work

LANGUAGE SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

[Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user](#)

[Common European Framework of Reference for Languages](#)

Language certificates

2017 IELTS : 6

COMPUTER SKILLS

OPERATING SYSTEM
- Mac Os X
- Windows
advanced level

PROGRAMMING LANGUAGE/CODE
- Matlab (Mathworks)
- C
- Visual Basic
- HTML

	- CSS 3 - Arduino (C++). good level
PROGRAMS/SOFTWARE	- ANSA (BETA CAE) - Nastran (MSC) - ADAMS (MSC) good level
CAD	- Solidworks (Dassault Systemes) CSWP Licenza: C-3KXD4LTC6F - NX Siemens - Autocad advanced level
GRAPHICS	Latex, Photoshop good level
SPREADSHEET	- Excel - Numbers good level
OTHER	ECDL Licence Skills Card: 1768723

PERSONAL SKILLS/OTHER SKILLS

Autonomy: 9
 Self confidence: 10
 Flexibility/Adaptability: 8
 Resistance to stress: 9
 Ability to plan and organize: 10
 Precision/Attention to details: 10
 Learn continuously: 9
 Achievement of objectives: 10
 Managing information: 10
 Entrepreneurial spirit and initiative: 10
 Communication: 9
 Problem Solving: 9
 Team work: 8
 Leadership: 9

OTHER INFORMATION

Driving license, own car
 Available to travel on business in Italy, abroad
 Available to relocate in Italy, abroad

* Fields marked with an * are certified by Politecnico di Torino, while the potential thesis description is added by the candidate.