

# Curriculum vitae

## PERSONAL INFORMATION

Carlo Zammit



I have always been interested in engineering. I like to find out how things work and how they are made. After discovering, by chance, the world of quality management and systems engineering I have been enamoured with them. They are necessary processes in today's world of very complex designs. I would like to apply my theoretical knowledge of the subjects in practice on real engineering programs.

## WORK EXPERIENCE

10/2016–Present

### Targeting handler for MRO/Sharad

MRO/Sharad

Targeting activities for SHARAD radar on Mars Reconnaissance Orbiter. Communication with the science community and sorting of observation requests.

12/2017 - present

### Scientific observations planning of Sharad sounder, 1° level data elaboration.

Term contract with Department of Information Engineering, Electronics and Telecommunications. Sapienza, university of Rome

Archival and decoding of raw and first level data for the Sharad radar on the Planetary Data System (PDS).

2013 - Present

### Participant

Italian branch of the British Interplanetary Society (BIS-Italia) (Italy)

I have been cooperating with the Italian branch of the British Interplanetary Society participating in many projects such as:

The Space Shuttle Landing simulator, based on a commercial software, permits to manually fly the orbiter in its final approach and landing phase.

The project was presented in public events at ESA-ESRIN in Frascati and at ASI HQ in Rome.

10/2013 - 10/2014

### Chief Engineer

Sapienza Flight Team, Rome (Italy)

Technical Manager of the university team tasked to develop and build a model airplane to compete in a competition held by the American Institute of Aeronautics and Astronautics and sponsored by Cessna and Raytheon Missile Systems.

As chief engineer I was in charge of the overall technical side of the design and I had to coordinate the subgroups that designed and developed the aircraft.

10/2012 - 10/2013

### Participant

Sapienza Flight Team, Rome (Italy)

Sapienza Flight Team is a university team tasked with the development and building of a model airplane to compete in a competition held by the American Institute of Aeronautics and Astronautics.

I was member of the subgroups in charge of the development of the propulsion system, the drafting of the technical report and the construction of the model airplane.

## EDUCATION AND TRAINING

### Courses and seminars

01/2021	SATERN (NASA/JPL) - Quality Management Overview
12/2020	SATERN (NASA/JPL) - Systems Engineering Overview
06/2020	Mark Hempsell, BIS - Spacecraft Systems Engineering
04/2015	Sapienza, university of Rome - Quality Management

### Courses and seminars

2008 – 2016	<b>Bachelor degree in Aerospace Engineering</b> Sapienza Università di Roma, Rome (Italy) Thesis: Evolution of flight director systems in transport civil aviation Final Grades 97/110	EQF level 6
2001 – 2007	<b>High School Diploma</b> Liceo Scientifico Statale Nomentano, Rome (Italy)	EQF level 4

## PERSONAL SKILLS

Mother tongue(s) Italian

### Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
Spanish	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

## ADDITIONAL INFORMATION

Memberships	Member of the Italian branch of the British Interplanetary Society
Affiliations	INAF – Istituto Nazionale di AstroFisica
Hobbies/Interests	Technology - Science - Space - Cars - Watchmaking - History

Guidonia, 20/02/2025