

STEFANO CIONI

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EXPERIENCE

MAY 2021 – OCTOBER 2021

PERFORMANCE TEST ENGINEER

SINT TECHNOLOGY S.R.L. (CALENZANO, ITALY)

During my work at SINT Technology, I supported the execution of performance tests of turbomachinery and boilers both from the office, by supporting the preparation of test procedures, as well as on the field, by supporting the installation of additional instrumentation required for performance tests.

AUGUST 2020 – DECEMBER 2020

ERASMUS + TRAINEE

TECHNISCHE UNIVERSITÄT BERLIN (BERLIN, GERMANY)

During the internship I took part in an experimental campaign in the university's wind tunnel, where measurements were carried out for the Berlin Research Wind turbine.

I developed a MATLAB app for the analysis of PIV velocity fields through vortex identification methods.

EDUCATION

JANUARY 2019 – APRIL 2021

MASTER'S DEGREE IN ENERGY ENGINEERING

UNIVERSITÀ DEGLI STUDI DI FIRENZE (FIRENZE, ITALY)

Thesis title: *Tip vortices identification based on Particle Image Velocimetry Measurements*

SEPTEMBER 2015 – DECEMBER 2018

BACHELOR'S DEGREE IN MECHANICAL ENGINEERING

UNIVERSITÀ DEGLI STUDI DI FIRENZE (FIRENZE, ITALY)

Thesis title: *Heat transfer analysis through IR technique of gas turbine engine real components*

Productivity and merit award conferred by Università degli Studi di Firenze

PERSONAL SKILLS

LANGUAGE SKILLS

Mother tongues: Italian and Spanish

Foreign language: English – level C1 (Cambridge ESOL Certificate in Advance English – University of Cambridge, 07/2015)

PROFESSIONAL SKILLS

- Calibration and basic use of infrared camera and hot wire anemometer
- Basic knowledge of wind tunnel measurements
- Skills in analysis of PIV velocity fields through vortex identification methods
- Skills in analysis of energy systems through modular codes and EES matured during team assignments.

DIGITAL SKILLS

- Good knowledge of SolidWorks acquired during course projects
- Good knowledge of MATLAB matured during courses and laboratory activities
- Good knowledge of MATLAB App Designer acquired during the internship at the Technische Universität of Berlin
- Basic knowledge of Ansys Fluent matured during course project