

Europass Curriculum Vitae

Personal information

Name / Surname **Baldani, Francesco**
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 Nationality Italian
 Date of birth 13/08/1981
 Gender Male



Summary

I have the reputation to be a reliable, versatile and adaptable colleague. I can fluently speak three languages (and be understood in five). I continuously strive for excellence and take pride in being autonomous, accurate and well organized. I can manage projects efficiently delivering superior-quality work to meet the stakeholders expectations.
 My experience ranges from private consultancy to public institutes collaboration from engineering to project management with a special focus on industrialization and change management

Work experience

<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>July 2022 - Ongoing</p> <p>Industrialization Manager - Project Manager</p> <p>Program Manager for Industrialization and Change Management Projects - Company-wise Project Manager</p> <p>RUTHMANN - TIME MANUFACTURING</p> <p>Mobile Elevating Working Platform (MEWP) Manufacturing</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>December 2018 - June 2022</p> <p>Design Office Director - Company Project Manager</p> <p>Design Office Director - Project Manager for both Ruthmann Italia Projects and Joint Ruthmann Deutschland-Ruthmann Italia Projects</p> <p>RUTHMANN - TIME MANUFACTURING</p> <p>Mobile Elevating Working Platform (MEWP) Manufacturing</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>January 2017 - November 2018</p> <p>Advanced Consultant AKKA Benelux</p> <p>Project Manager and Technical Leader of the AKKA Technologies Experiments & Testing Competences Center</p> <p>AKKA Technologies</p> <p>Consultancy - Engineering</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p>	<p>December 2015 - January 2017</p> <p>Experienced Consultant AKKA Benelux</p> <p>Consultant in the Research & Technology department of Safran Aero Boosters</p> <p>Project manager for heat exchangers projects:</p> <ul style="list-style-type: none"> - Novel design and novel manufacturing technology developer. - Additive Layer Manufacturing (ALM) - Direct Metal Laser Sintering (DMLS) <p>Experimental validation responsible</p>

Name and address of employer
Type of business or sector
Dates
Occupation or position held
Main activities and responsibilities

AKKA BENELUX - Safran Aero Boosters
Consultancy - Engineering

August 2009 - March 2015

Research Engineer of the Belgian Royal Military Academy

High subsonic speed heat transfer analysis

Experience with inverse heat transfer problems analysis

Expertise in:

- Velocity measurements with Constant Temperature Anemometry (hot-wire, hot-film, hot-bulb, single wire and X-array probes), Pitot-static tubes, Particle Image Velocimetry
- Temperature measurements in fluids and solids by means of thermocouples and Quantitative Infra-Red Thermography
- Develop specifically designed measurement tools (rakes for velocity, temperature and pressure simultaneous multi-point measurements)

Technical manager and co-responsible of the Techspace Aero co-operation for the Intelligent Cooling System (ICS) project (<https://www.skywin-ics.be>)

Master thesis co-promoter for national and international students Students lab coordinator: experimental work organization

Name and address of employer
Type of business or sector

Royal Military Academy - 30, Avenue de la Renaissance - 1000 Brussels

Defense - Engineering - Academic Research

Education and training

Dates

July 2011 - December 2014

Title of qualification awarded

Doctor of Philosophy in Engineering Sciences (joint French-Belgian degree)

Principal subjects/Occupational skills covered

Thesis Title: **Heat Transfer in High Subsonic Velocity Environments behind the Fan of a Gas Turbine**

Name and type of organization providing education and training

Royal Military Academy of Belgium (B)

Valenciennes and Hainaut-Cambresis University (F)

von Karman Institute for Fluid Dynamics (B)

Level in national or international classification

Doctorat de Recherche en Sciences pour l'Ingénieur

Dates

September 2008 - July 2009

Title of qualification awarded

Level II Master in Fluid Dynamics

Principal subjects/Occupational skills covered

Basic and Advanced Fluid Dynamics Courses, Laboratories Practice

Personal Project: *VKI Plasmatron (Inductive Coupled Plasma Wind Tunnel) Jet Investigation for Off-stagnation Testing*

Name and type of organization providing education and training

Von Karman Institute for Fluid Dynamics

72, Chaussé de Waterloo

Rhode Saint Genese, 1640, Belgium

Level in national or international classification

Master after Engineering Master Degree

Dates

October 2004 - January 2008

Title of qualification awarded

Master Degree as Aerospace Engineer (grade:110/110)

Principal subjects/Occupational skills covered

Fluid Dynamics, Experimental Aerodynamics, Computational Fluid Dynamics, Mechanics and Dynamics of Flight, Aircraft General Design, Space Systems, Structural Dynamics and Aero-elasticity, Advanced Propulsion Systems.

Successful participation to the *Fluent Base Course* delivered at the Aerospace Engineering Faculty of Bologna on 16 and 17 June 2005.

Carrying out of my Bachelor thesis project (*Rolling Road System for hydrodynamic tunnel*), in cooperation with Bologna University

Name and type of organization providing education and training

Aerospace Engineering

Seconda facoltà di Ingegneria Forlì-Cesena

University of Bologna, Italy

Level in national or international classification

Dates

Title of qualification awarded

Principal subjects/Occupational skills covered

Name and type of organization providing education and training

Dates

Title of qualification awarded

Principal subjects/Occupational skills covered

Name and type of organization providing education and training

Level in national or international classification

Personal skills and competences

Mother tongue

Other languages

Self-assessment European level()*

English

French

Dutch

German

Social skills and competences

Technical skills and competences

Laurea Specialistica in Ingegneria Aerospaziale

November 2006 - July 2007

Erasmus student - Experimental Master Degree Thesis Research

Conceptual design manufacturing, first improvements and testing of a Jet and Vortex Actuator (J.a.V.A.). A Device for Active Flow Control.

Intensivkurs Deutsch als Fremdsprache

Intensive Language Course German as Foreign Language. European level *A2* with a final grade of 1.3

Institut für Aerodynamik und Gasdynamik

University of Stuttgart - Germany

October 2001 - October 2004

Bachelor degree as Aerospace Engineer (grade:104/110)

Thesis Title: *Design of a Rolling Road System for Hydrodynamic Tunnel.*

Successful participation to the course *Introduction to computational thermo-fluid dynamics: the Fluent code*, delivered at the Aerospace Engineering Faculty of Bologna.

Aerospace Engineering

Seconda facoltà di Ingegneria Forlì-Cesena

University of Bologna, Italy

Laurea di I Livello in Ingegneria Aerospaziale

Italian

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C1-Proficient User	C1-Proficient User	C1-Proficient User	C1-Proficient User	C1-Proficient User
French	C1-Proficient User	C1-Proficient User	C1-Proficient User	C1-Proficient User	B2-Independent User
Dutch	A2-Basic Independent User	A2-Basic Independent User	A2-Basic Independent User	A2-Basic Independent User	A2-Basic Independent User
German	A1-Basic User	A1-Basic User	A1-Basic User	A1-Basic User	A1-Basic User

(*)Common European Framework of Reference (CEF) level *Common European Framework of Reference (CEF) level*

Team work: thanks to my experiences in several universities I learnt and appreciated working in group. In the last years, I've been completing dissertations and projects as individual and group work.

Communication skill: I grasped how to communicate and mediate with people thanks to my travelling and studying with people from different countries

Ability in welding, using turning-lathe and numeric control machines. Knowledge of boilers, conditioning and refrigerating systems

Computer skills and competences	<p>Microsoft Windows: good Microsoft Office: basic/good Linux: basic \LaTeX: very good Beamer (\LaTeXpresentation package): very good Solid works: good/very good AutoCAD: basic/good Matlab: very good Tecplot: good Fluent: basic/good CFD-ACE: basic/good openFoam: basic COMSOL: good Ansys: basic</p>
Artistic skills and competences	<p>Writing poetries and short novels</p>
Other skills and competences	<p>First-aid Certificate Poetry competition Cooking Making Pizza Playing football, table-tennis and running</p>
Driving licences	<p><i>B ; A3</i></p>

Additional information

Published Articles:

F. Baldani and W. Bosschaerts.

Design of a Hot-wire Rake for Measurements in Temperature-varying Flow Fields.

Energy Procedia 85 (2016) 35-43, 2016

F. Baldani, W. Bosschaerts, T. Arts, and S. Harmand.

Low Speed Numerical and Experimental Validation of a Solving Methodology for the Inverse Heat Conduction Problem by means of Quantitative Infra-red Thermography.

Conference Proceedings - 10th European Conference in Turbomachinery, Lappeenranta, Finland, April 2013

F. Baldani and W. Bosschaerts.

Turbulence Measurements in a High Subsonic Non-Isothermal Flow Field.

Conference Proceedings - 9th National Congress on Theoretical and Applied Mechanics, Brussels - Ecole Royale Militaire - Departement de Mecanique, May 2012

F. Baldani and W. Bosschaerts.

Characterization of a High Subsonic Wind Tunnel Test Section to Develop a Study Approach to Solve the Inverse Heat Conduction Problem.

Conference Proceedings - XXI Biennial Symposium on Measuring Techniques in Turbomachinery, Valencia - CMT - Centro Motores Termicos - Universitat Politecnica de Valencia, March 2012

F. Baldani and W. Bosschaerts.

Turbulence Measurements in a High Subsonic Non-isothermal Flow Field. Turbine Engines Inlet Conditions Analysis.

Conference Proceedings - ISABE-2011-1815 Gothenburg, September 2011

F. Baldani, W. Bosschaerts, and R. Wagemakers.

High Velocities Wind Tunnel Flow Field Investigation and Heat Exchanger Infra-Red Analysis. Part 1: Experimental Set-up, Experiments and First Results.

Conference Proceedings - ISAF10-11 Brussels, July 2011

H. Gunes, S. Cadirci, F. Baldani, B. Peters, and U. Rist.

Temporal Analysis of Jet and Vortex Actuator (JaVA) – Induced Flows.

Int. Conf. on Jets, Wakes and Separated Flows, ICJWSF-2008, September 16-19, 2008, Technical University of Berlin, Berlin, Germany

H. Gunes, S. Cadirci, and U. Rist.

An Experimental Investigation of a Jet and Vortex Actuator for Active Flow Control.

AIAA-4th Flow Control Conference, 23-26 June 2008, Seattle, Washington