



Ermes Floriani

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Presentation

I'm Ermes Floriani, I was born in 1989, June the 12th. My background studies are in industrial engineering with a Master in Mechatronics Engineering by University of Trento, Italy. I've been working in team since the beginning of my professional career. I am actually employed as application and testing engineer dealing with hydromechanical variable transmissions for off-highway applications. I'm used to have a professional partnership with people worldwide. Indeed my current employment requires close and continuous technical collaboration with customers R&D in terms of system validation and verification. Then I'm dealing worldwide with PSS (product service support) team when detailed technical support is needed.

Pre-University studies:

Education

Technical Institute Michelangelo Buonarroti, Trento, Technical certificate in mechanics. Mark: 90/100. June 2008

University of Trento, Italy, Bachelor in Industrial Engineering. Title: Manufacturing of sponges of polylactic acid (d-enantiomer) and fibroin with solvent casting and particulate leaching method, and characterization of their porosity. Mark: 98/110. February 2011

University of Trento, Italy, Master in Mechatronics Engineering. Title: Mechanical and Electrical design of a UAV's prototype employed in avalanche rescue. Mark: 105/110. March 2015

Experience

Internship, TEORES S.p.A – Torino Italy May 2015

- Training about using MapleSoft software (multidomain system modelling and analysis tools).

Application Engineer, TEORES S.p.A – Torino Italy September 2015

- Consultant in Comau Robots: mathematical model of robotic arm with inverse kinematic problem.
- Consultant in Electropowersystems: thermo-mechanical model of air conditioning system for energy production with fuel
- Internal: Technical benchmark about third parties software to test, simulate and validate Simulink/StateFlow models.

Industrial Plant Designer, ROTALFIN S.n.c – Mezzolombardo Italy May 2016

- Working as Industrial Plant Designer of Air Compressed Systems. 3D CAD modeling with parametric design.

- Software development and implementation of the P&I's compressor room for Air management systems HMI.
- Data processing with Scilab in order to get energy audit focused on air compressor room working.

Application and Testing Engineer, DANA REXROTH TRANSMISSION SYSTEMS – Arco Italy

March 2019

- Inside sV&V (system verification and validation) team, I focused on: Bench testing activities with hydromechanical variable transmissions. Transmission control software tuning owner.
- Inside sV&V team, I focused on: Vehicle testing activities with hydromechanical variable transmissions. Transmission control software tuning owner.

Application and Testing Engineer, DANA ITALIA S.R.L – Arco Italy, (current employment)

March 2021

- Inside sV&V team, I've been focusing on: Bench testing activities with hydromechanical variable transmissions. Transmission control software tuning owner.
- Inside sV&V team, I've been focusing on: Vehicle testing activities with hydromechanical variable transmissions. Transmission control software tuning owner.
- I'm the technical reference for the european customers located in Sweden (R&D), Poland (OEM) and Germany (OEM).
- I've been involved in projects with cutomers located in US, Brazil, China.
- I've been involved in field support in France, Netherland, Denmark.
- I've been involved in driveline electrification projects for off-highway applications, focusing on speed sensors testing and validation.
- I've been involved in HIL testing and SW validation within MBD (model based design) framework.

Other notes,

Since 2018

- Registered by Engineers Order of Trento, n. 4194 sec A.
- Recent training attendance proposed by CEI (Comitato elettrotecnico Italiano): new machinery regulation 2023/1230/UE.
- Recent training attendance proposed by CEI (Comitato elettrotecnico Italiano): machinery electrical design with CEI EN 60204-1 standard and 2006/42/CE Machinery Directive).
- Recent training attendance proposed by CEI (Comitato elettrotecnico Italiano): introduction to Industrial Cybersecurity with IEC 62443 standard.

June 2024

October 2024

January 2025

Technologies

Programming: C#, Python, Latex

Tools: Matlab, Simulink, StateFlow, CANape, CANalyzer, Vector Logger Suite, IMC Studio, IMC Famos, Maple, MapleSim, Scilab, Microsoft Office Excel, Microsoft Office PowerPoint, Microsoft office Word, GIT, Jira, Autodesk Inventor.

Languages

English: B1 certified, daily used in my professional activities (B2 estimated).

Licenses

Driving licences: B cars, wheel loader, reachstaker, teleboom-handler, agricultural tractor.

Other licences: PES-PAV.

Freetime

Sport: I love hiking and running in mountains, go skiing.

Music: I like playing piano.