



ABOUT ME

ING. CHRISTIAN PAGLIARA

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PASSION FOR AUTOMOTIVE INDUSTRY | UNIVERSITIES AND PRIVATE COMPANIES R&D EXPERIENCE

Since the beginning of my career in R&D field, as research fellow before and then as licensed professional consultant, I've worked in many aspects of the automotive industry - from vehicle dynamics to ADAS systems (Advanced Driving Assistance System), Testing and Data Analysis - with a particular focus on Virtual Test Driving, exploiting SIL, MIL, HIL and VIL methods, which are my current specialization.

HIGHLY ANALYTICAL, REFLEXIVE & RESOLUTE MIND

- Conducted full-spectrum consultancy for different top national and international customers in the field of automotive and structural dynamics;
- dedicated at improving customer satisfaction ensuring wide-scope technical support – (problem-solving techniques together with communication capabilities and creativity);
- as leading engineer, the technical and organizational resources are managed for the effective and efficient target achieving.

WELL-ROUNDED BACKGROUND: PROFESSIONAL, ACADEMIC, TECHNICAL

- Proud to be part of a net of up to 10 multidisciplinary professional skilled supporters, my professional development is ongoing among a cluster of excellence within an international context;
- graduated with excellent grades in Mechanical Engineering; the university has been my bridge for the research field. The great exposure to the experimental procedures in a fast-paced and multicultural environment has contributed to my ability to work in group and under-pressure;
- proficient in Engineering Software as Matlab/Simulink, Vector Tools and Vehicle dynamic Simulation software (as technical reference for IPG Automotive product on Italian market), programming languages like Python/ C/ C++/ TclTK as well.

WORKING EXPERIENCE (FreeLancer)

• Dates (from-to)	September 2016 - Today
Name and address of commissioner	IPG Automotive GmbH Everything about virtual test driving (https://ipg-automotive.com/)
Type of business or sector	Global leader in virtual test driving technology
Current Kind of employment	Head IPG Automotive Business Unit - Italy
Main tasks and responsibilities	<p>As technological partner, I assist my customer in taking advantage of innovative simulation systems for whole vehicle development throughout every phase of the development and release process – from model, software, and hardware-in-the-loop to the vehicle-in-the-loop methods. Accounting for the gained technical know-how, I'm also involved in sales management of IPG Automotive products taking care of relationships with major Italian (and not) car, truck and motorcycle maker and automotive OEM (i.e. Stellantis, IVECO, Ducati, KTM, Aprilia, Continental, Brembo, etc.).</p> <p>I'm also on the front line of the academic world, supporting Italian universities in defining the avant-garde of automotive technology.</p>
• Dates (from-to)	March 2018 - Today
Name and address of commissioner	IVECO – CNH Industrial (https://www.iveco.com/italy/Pages/Home-Page.aspx)
Type of business or sector	Heavy and light commercial vehicle maker – Integration Dep.
Current Kind of employment	Technical-Consultant Engineer
Main tasks and responsibilities	<p>On-site and remotely, I've supported in developing of HIL-based simulators to allow the customer of virtually testing the whole architectures and functionalities of Heavy and light commercial vehicles. I am continuing to assist them in usage and evolution of the simulator test-benches, exploiting with them the following tasks:</p> <ul style="list-style-type: none">- assess the integration of complex coupled systems of different suppliers;- vehicle architecture design and ECU Integration assessment;- sw debugging + fault injection on the whole vehicle assembly early stage in development;- ADAS logic development and assessment (ACC, AEB, PECC, Blind-spot assist, attention assist, V2V/V2X, Platooning);- ADAS/HAD test cases catalogue generation and definition of testing automation methodology;- powertrain Electrification design;

• Dates (from-to)	April 2019 – Today
Name and address of commissioner	Continental Automotive – VED Team Torino, Italy (https://www.iveco.com/italy/Pages/Home-Page.aspx)
Type of business or sector	Autonomous Mobility and Safety for automotive
Current Kind of employment	Technical-Consultant Engineer
Main tasks and responsibilities	<p>I'm supporting the customer towards the evolution of their HIL – Brake Wet test benches, to develop a flexible methodology aimed to the closed-loop virtual simulation of Continental automotive Brake System module.</p> <p>The activity is focused onto the virtual modelling of the whole architectures (Chassis, Powertrain, Sensor, Control Unit, etc.) of the vehicles equipped with Continental's devices. The generation of suitable vehicle model, together with powertrain and a proper front-end of the modeled soft ECU as well, it has allowed to manage HIL virtual testing onto the multitude of ICE – HEV – EV vehicles whit which Continental Automotive have to deal as OEM.</p>

EDUCATION AND TRAINING

- Dates (from-to)

Name and type of educational institution or training

Qualification achieved

September 2011 - December 2016

Politecnico di Milano

Master's Degree in Mechanical Engineering (110/110 cum Laude)

- Dates (from-to)

Name and type of educational institution or training

Qualification achieved

September 2006 - July 2011

I.T.I.S ANTONIO BADONI

High school Diploma of Mechanical Technician (100/100)

PERSONAL SKILLS AND COMPETENCES

Mother tongue

Italian

Other languages

English, German

Self-assessment

English

Understanding		Speaking		Writing
Listening	Reading	Listening	Reading	
B2	C1	C1	B2	C1

German

Understanding		Speaking		Writing
Listening	Reading	Listening	Reading	
A1	A1	A1	A1	A1

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

FURTHER INFORMATION

In October 2017 I've acquired the enabling to the exercise of the engineer profession and since March 2018 I'm recorded within the register of engineers at the Lecco Engineers Order.

I'm the Co-author of:

Effects of tire wear on motorcycle dynamic (2019)

(Marco Ezio Pezzola ,Elisabetta Leo, Christian Pagliara ,Giulia Morandin)
Soluzioni Ingegneria srl, startup of technology innovation
Via Balicco 113, 23900 Lecco, Italy

MicroMED, design of a particle analyzer for Mars (2017)

(Diego Scaccabarozzi, Bortolino Saggin, Christian Pagliara, Marianna Magni, Marco Tarabini, Francesca Esposito, Cesare Molfese, Fabio Cozzolino, Fausto Cortecchia, Gennady Dolnikov, Ilia Kuznetsov, Andrew Lyash, Alexander Zakharov)
Politecnico di Milano, Polo Territoriale di Lecco, Lecco, Italy
INAF – Osservatorio Astronomico di Capodimonte, Napoli, Italy
IKI RAN Space Research Institute of the Russian Academy of Sciences, Moscow, Russia

Design of a flowrate measurement system for low-pressure gases (2018)

(Diego Scaccabarozzi, Bortolino Saggin, Christian Pagliara, Arash Valiesfahani)
5th IEEE International Workshop on Metrology for AeroSpace, MetroAeroSpace 2018 – Proceedings

Driving License

driving license A and B;
boat license;

Sports

Body Building amateur, Sealing, Trekking, Winter sports

Personal Interest

Motorcycles, Informatic, Japanese Culture.

Available to work abroad even for long periods

IN FAITH

