



UNIVERSITY OF MODENA AND REGGIO EMILIA

Prof. Ing. Ph.D. Fabrizio Paltrinieri

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CURRICULUM VITAE

Personal information

Name and Surname	Fabrizio Paltrinieri
Address	Office: via Amendola 2, Pad. Morselli - 42122 Reggio Emilia - ITALY
Telephone	Office: +39 0522 52 3503
Mobile Phone	Office: +39 366 5865951
E-mail	fabrizio.paltrinieri@unimore.it
Nationality	Italian
Date of birth	March the 27 th , 1974

Work experiences

01/01/2022 today	Associate Professor of Fluid Power Systems and Components SSD ING-IND/08
Educational activity	Faculty of Engineering in Reggio Emilia - Mechatronics Engineering
Research activity	Department of Sciences and Methods for Engineering
Employer	University of Modena and Reggio Emilia
01/01/2011 31/12/2021	Assistant Professor of Fluid Power Systems and Components SSD ING-IND/08
Educational activity	Faculty of Engineering in Reggio Emilia - Mechatronics Engineering
Research activity	Department of Sciences and Methods for Engineering
Employer	University of Modena and Reggio Emilia
18/01/2005 31/12/2010	Assistant Professor of Internal Combustion Engines SSD ING-IND/08
Educational activity	Faculty of Engineering in Modena - Mechanical Engineering
Research activity	Department of Mechanical and Civil Engineering
Employer	University of Modena and Reggio Emilia



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01/01/2004	Post doc grant - Fluid Power Systems and Components
31/12/2004	SSD ING-IND/08
Educational activity	Faculty of Engineering in Modena - Mechanical Engineering
Research activity	Department of Mechanical and Civil Engineering
Employer	University of Modena and Reggio Emilia
01/01/2001	Ph.D. Student
31/12/2003	SSD ING-IND/08
Research activities	Combustion and Multiphase Flows - Hydraulic Systems Design
Organization	Department of Mechanical and Civil Engineering - University of Modena and Reggio Emilia

Education and Training

2004	Philosophy Doctoral Degree in Materials Engineering
Organization	University of Modena and Reggio Emilia Department of Mechanical and Civil Engineering
Judgment	Optimum
19/07/2000	M.S. Degree in Mechanical Engineering
Educational activity	Faculty of Engineering - University of Modena and Reggio Emilia
Judgment	110/110 cum laude



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Personal Skills and Competences

Mother tongue	Italian									
Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Interaction		Production			
ENGLISH	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
FRENCH	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user
(*) <i>Common European Framework of Reference for Languages</i>										

Programming and PC tools	<p>Familiar with most common operating systems (Windows and Linux).</p> <p>Excellent knowledge of Fortran, C++, Visual Basic and MATLAB programming languages and of the main MS-Office tools.</p> <p>Excellent knowledge of the following Computational Fluid Dynamic codes:</p> <ul style="list-style-type: none"> - GT-SUITE (1-D CFD code, Gamma Technologies Inc.) - AMESim (1-D CFD code, Siemens LMS Imagine) - STAR-CCM+ (3-D CFD code, CD-Adapco Group) - KIVA3V2 (Combustion process simulation code, Los Alamos National Laboratory, University of California, U.S.) - OpenModelica (0D and 1D simulation platform, open source) - OpenFOAM (3-D CFD code, open source)
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Additional courses	<p>2000: Unix Training course, at CICAIA Laboratory, University of Modena and Reggio Emilia.</p> <p>2001: AMESim Advanced Training course, at Imagine Headquarter, Roanne, France.</p> <p>2002: LabVIEW Advanced Training course, at FPM Laboratory, University of Modena and Reggio Emilia.</p> <p>2012: GT-Suite Advanced Training Course, organized by Gamma Technologies, Frankfurt, Germany.</p> <p>2012: STAR-CCM+ Advanced Training course, at FPM Laboratory, University of Modena and Reggio Emilia.</p>
Driving License	B - Automobile and Motorbike

I allow the use and processing of my personal data according to the Italian Dlgs 196/2003 concerning the handling of personal data.

The undersigned

Reggio Emilia, June the 23rd, 2025.