

GIANLUCA VALENTI

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MILANO, 11/06/1977
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Work Experience	Politecnico di Milano - Milan, Italy	<i>from</i>	<i>to</i>
	President of Fellows of Politecnico di Milano US (FPM.US)	07/2025	Present
	Rector's Delegate for International Relations with North America	02/2019	Present
	Coordinator of the Laboratory of Energy Conversion and Storage (LabX)	01/2029	Present
	Associate Professor	07/2015	Present
	Assistant Professor	12/2008	06/2015
	<ul style="list-style-type: none"> Experimental research: development of energy conversion and storage technologies, with focus on hydrogen Numerical research: simulation of novel processes and technologies for energy conversion Teaching: lecturer of Energy Conversion and advisory of a dozen graduate theses per year 		
	Valenti Energie S.r.l. - Milan, Italy	05/2013	Present
	Co-founder		
	<ul style="list-style-type: none"> Development of clean technologies for energy efficiency improvement Technical development of an innovative system for waste heat to compressed air 		
	Skolkovo Innovation Center – Moscow, Russian Federation	01/2013	12/2021
	Member of Technical Committee		
	<ul style="list-style-type: none"> Technical review of proposals of investments in energy-related projects 		
	Quadrivio SGR - Milan, Italy	07/2012	12/2016
	Member of Technical Committee		
	<ul style="list-style-type: none"> Technical review of proposals of investments in renewable energy-related projects 		
Education	Politecnico di Milano - Milan, Italy	07/2006	12/2008
	Research fellow		
	<ul style="list-style-type: none"> Methods for minimizing the emission of greenhouse gases from power plants Development of a system for creating synthetic mixture from gas bottles 		
	Stanford University - Stanford, CA U.S.A.	09/2003	02/2005
	Research assistant		
	<ul style="list-style-type: none"> Development of three-phase permeability models for a reservoir simulator 		
	Snamprogetti - Milan, Italy	11/2001	07/2002
	Intern		
	<ul style="list-style-type: none"> Stress analysis of the high temperature lines of a natural gas combined cycle 		
	University of Illinois at Chicago - Chicago, IL U.S.A.	09/1999	08/2001
	Research assistant		
	<ul style="list-style-type: none"> Techno-economic assessment of medium-size cogeneration systems 		
	Politecnico di Milano	Milan, Italy	03/2003
	Degree: Ph.D. in Energy Engineering	Grade: <i>cum laude</i>	05/2006
	Thesis: "Liquid hydrogen from clean coal"		
Honors	Stanford University	Stanford, CA U.S.A.	09/2003
	Degree: M.Sc. in Petroleum Engineering	Grade: 3.66/4	02/2005
	Thesis: "Streamline-based simulation of three-phase, multicomponent flows in porous media"		
	Politecnico di Milano	Milan, Italy	09/1996
	Degree: Laurea in Mechanical Engineering	Grade: 100/100 <i>cum laude</i>	07/2002
	Thesis: "Analisi ed ottimizzazione dei circuiti critici di una centrale a ciclo combinato"		
	University of Illinois at Chicago	Chicago, IL U.S.A.	08/1999
	Degree: M.Sc. in Mechanical Engineering	Grade: 4.00/4	08/2001
	Thesis: "An assessment of combined heat and power for medium-sized applications"		
	<ul style="list-style-type: none"> Finalist startup competition ACCIAIO 4.0, 2018. Seven awards for advised graduate thesis Finalist Intensa San Paolo StartUpInitiative 2011 competition Finalist Politecnico di Milano Idea2Product 2011 prize 3-year scholarship by the Italian Government during the Ph.D. 15-month scholarship by Stanford University during the M.Sc. 2-year scholarship by University of Illinois at Chicago during the M.Sc. 2-year scholarship by Nuovo Pignone S.p.a. during Laurea 		

Research	Publicly-funded projects
	<ul style="list-style-type: none"> • 3 European Community-funded projects as local coordinator from 2021 to present • 1 Italy-funded project as local coordinator from 2022 to present • 1 United States of America-funded project as local coordinator from 2013 to 2015 • 11 European Community-funded projects as participants from 2008 to present • 3 Italy-funded projects as participants from 2005 to present • 3 Regione Lombardia-funded projects as participant from 2007 to present • 1 Politecnico di Milano-funded project as coordinator from 2012 to 2014
	Industry-funded projects
	<ul style="list-style-type: none"> • 40+ industrial projects, most of which as contract responsible person
	Publications and patents
	<ul style="list-style-type: none"> • 90+ publications (68 Scopus-indexed), 1387 citations, 22 H-Index
	Patents
	<ul style="list-style-type: none"> • 9 patent applications, out of which 6 patent granted from 2010 to present
	Other professional experience
	<ul style="list-style-type: none"> • 1 arbitration as technical consultant of the arbiters
Personal	Journal reviewer
	<ul style="list-style-type: none"> • Applied Energy, Applied Thermal Engineering, Cryogenics, Energy, Int. J. Hydrogen Energy, Nature Communications
	Languages
	<ul style="list-style-type: none"> • Italian: mother language, English: proficient
	IT skills
	<ul style="list-style-type: none"> • General and process software: Office suite, Aspen Process Engineering suite, and RefProp • Programming languages: MATLAB, and Fortran
	Family
	<ul style="list-style-type: none"> • Happily married with two young kids
	Interests
	<ul style="list-style-type: none"> • swimming, on- and off-road cycling, running (formerly triathlon athlete and... soon to be again!)

Milan, Italy, 15/09/2025