



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Carlo E.D. Riboldi**
Address(es) Milan, Italy
Telephone(s) +39 02 2399 8609
E-mail carlo.riboldi@polimi.it
Nationality Italian
Date of birth November 5th, 1983

Work experience

Dates	March 2011 – now
Occupation or position held	University lecturer
Main activities and responsibilities	<ul style="list-style-type: none">• Professor for the 3rd year undergraduate course of <i>Flight Mechanics</i> (since 2015)• Assistant professor:<ul style="list-style-type: none">- graduate course of <i>Aircraft Design</i> (since 2013)- graduate course of <i>Design of Wind Turbines</i> (2012-2015)- undergraduate course of <i>Flight Mechanics</i> (2011-2014)- undergraduate course of <i>Introduction to Flight</i> (2016)• Board member of the master course of <i>Fundamentals of the Air Transport System</i> (since 2018)• Board member of the Doctoral School in Aerospace Engineering (since 2019)
Name of employer	Politecnico di Milano – Department of Aerospace Science and Technology
Type of business or sector	University / Scientific research
Dates	May 2008 – now
Occupation or position held	University researcher
Main activities and responsibilities	Research topics: <ul style="list-style-type: none">• design, simulation and wind tunnel experimentation of active control systems and enabling observation/measurement systems for horizontal-axis wind turbines (since 2007)• rotorcraft dynamics simulation, identification and control (since 2012)• aircraft design techniques for innovative propulsive systems for aviation (since 2015)• advanced mathematical models for innovative aircraft flight dynamics (since 2017)
Name of employer	Politecnico di Milano – Department of Aerospace Engineering
Type of business or sector	University / Scientific research
Dates	January 2009 – March 2009
Occupation or position held	Business analyst – Postgraduate master internship

Main activities and responsibilities	<p>Activities:</p> <ul style="list-style-type: none"> analyzing/preparing business reports and press reviews setting up inter-company meetings and press conferences on behalf of the "Malpensa Committee", running a consulting observatory on the economic situation of the Milano-Malpensa Airport, managed by the competent Chamber of Commerce of Varese
Name of employer	<p>Chamber of Commerce of Varese – "Malpensa Committee"</p> <p>Company tutor: Dr. Laura Tamborini, promotion area, Chamber of Commerce of Varese University tutor: Prof. Renato Picardi</p>
Type of business or sector	Monitoring function over the social and economic situation of Milan Malpensa Airport

Education and training

Dates	January 2009 – March 2012
Title of qualification awarded	Ph.D. Degree with Merit in Aerospace Engineering
Name of organisation providing education and training	<p>Doctoral School of the Politecnico di Milano</p> <p><i>Ph.D. Thesis:</i> Advanced Control Laws for Variable-Speed Wind Turbines and Supporting Enabling Technologies</p> <p>Supervisor: Prof. Carlo L. Bottasso</p> <p>Examiners from other Universities: Prof. Y. Nam (South Korea), Prof. Jonathan Cooper (UK), Prof. Art Rizzi (Sweden)</p>
Level in national or international classification	Ph.D. Degree in Engineering
Dates	April 2008 – March 2009
Title of qualification awarded	Master in Airport and Air Traffic Management
Name of organisation providing education and training	<ul style="list-style-type: none"> Politecnico di Milano – Department of Aerospace Engineering SEA – Aeroporti di Milano, airport management group for all airports of Milan in collaboration with the Finmeccanica industrial group and the Air Traffic Control Agencies and Civil Aviation Organization of the Italian Government (ENAV, ENAC) <p>Lectures and teaching activities held and conducted at the Politecnico di Milano and Milan Malpensa Airport</p> <p><i>Thesis:</i> The situation of Malpensa airport in 2009: an analysis of the effects of politics on industries and commerce</p>
Dates	September 2005 – April 2008
Title of qualification awarded	Master of Science with Honors in Aeronautical Engineering - Best of the year 2008
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> Aircraft layout and structure preliminary design techniques Structural dynamics and control techniques Gas dynamics and propulsion systems for atmospheric and space flight Chemistry of fuels and propellants Computational modeling of aeronautical structure (Femap/Nastran) <p><i>Master's Thesis:</i> Cyclic control of wind turbines - design and implementation Supervisor: Prof. Carlo L. Bottasso</p>
Name of organisation providing education and training	Politecnico di Milano – Department of Aerospace Engineering

Level in national or international classification	Master's Degree in Aeronautical Engineering
Dates	September 2002 - July 2005
Title of qualification awarded	Bachelor of Science with Honors in Aerospace Engineering
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> • Fluid dynamics and aerodynamics • Control systems • Aeronautical structures • Numerical calculus • Chemicals and combustion processes; basics of propulsion systems
Name of organisation providing education and training	Politecnico di Milano – Department of Aerospace Engineering
Level in national or international classification	Bachelor's Degree in Aerospace Engineering
Dates	September 1997 – July 2002
Name and type of organisation providing education and training	Liceo Scientifico FAES Argonne (High School) – Milano Final mark 100/100.
Other certificates	<ul style="list-style-type: none"> • Sustained Italian State Exam for Engineers, Sept. 2008 • Member of REPRISE – Panel of experienced scientists of the Italian Ministry of Research (since 2018) – Research area ING-IND03/Flight Mechanics • Recipient of FFABR financial grant for research, Italian Ministry of Research (2017) • Qualified to the role of Associate Professor, Italian Ministry of Research, 8 Aug. 2018
Prizes	<ul style="list-style-type: none"> • Best Post-Doc Paper Award 'Giorgio Cavallini', 2017, Italian Association of Aeronautics and Astronautics (AIDAA) • 1st prize AIAA Student Competition 2015, aircraft design competition - team "Flynk", technical advisor. • Medal for Best Graduated Student of the Year 2006/2007 - MoS in Aeronautical Engineering, March 12th, 2009 - Awarded by the Dean of the Politecnico di Milano University.
Personal skills and competences	
Mother tongue(s)	Italian
Other language(s)	English – Full professional proficiency <ul style="list-style-type: none"> • TOEFL certified. • Six-months individual course of spoken English with mother tongue teachers (from the UK, Australia, Canada) by InLingua • Extensive experience as a translator from Italian to English. Russian – Basic <ul style="list-style-type: none"> • Four-months individual course of Russian with mother tongue teacher by InLingua

Social skills and competences

- >11 yrs experience as university researcher - including Ph.D. years - in:
 - Wind turbine control design and experimentation in virtual environment and wind tunnel
 - Integrated design of wind turbine control and structure
 - Design of fixed wing aircraft, with a focus on integration of electric or hybrid propulsion systems
 - Design of purely-electric and hybrid-electric powertrains for aircraft
 - Development of optimal design tools for aircraft
 - Design and implementation of control and guidance systems for helicopters
 - Development of simulation tools for rotating wing systems – both in a general multi-body framework and with dedicated software
 - Design of control systems for helicopters of standard configuration
 - Design of measurement and observation tools for rotors of wind turbines and helicopters, including observation of wind relative intensity and direction through aero-elastic measures, with a focus on control-enabling technologies
 - Design of flight mechanics models for innovative aircraft configurations, in particular multi-surface planforms with multiple aerodynamic controls
- Experience in coordination of research projects involving industrial subjects and universities. Involved in past or ongoing major collaborations, direct or within international projects:
 - LeitWind AG, Bozen, Italia (since 2007)
 - Kangwon National University, Chooncheon, South Korea (2008-2012)
 - National Renewable Energy Laboratory, Boulder, Colorado (since 2008)
 - Clipper Wind Power, Inc., Santa Barbara, California (2009-2013)
 - Aalborg University, Aalborg, Denmark (2010-2012)
 - Leonardo-Helicopters (ex-Agusta-Westland), Cardano al Campo, Italia (since 2013)
 - Technische Universität München, Garching bei München, Germany (since 2013)
 - Pipistrel d.o.o. Ajdovscina (since 2017)
- Author/Co-author of >40 journal and conference papers, published on international peer-reviewed journals or presented at international conferences, and 1 scientific book
- Supervisor/Tutor for >20 master's thesis students.
- Professor for the 3rd year undergraduate course of *Flight Mechanics* (since 2015) at Politecnico di Milano university
- Teaching assistant, responsible for the laboratories, practical activities and exams for several graduate and undergraduate courses since 2011 (see above)
- Speaker at international public/non-public meetings and scientific conferences
- Seminars, short teaching activities and workshops held both at the Politecnico di Milano and at other international Universities (Aalborg University, Denmark, and Kangwon National University, South Korea)
- 1 yr experience in airport management
- Internship experience as business analyst, focusing on airlines and airport management companies
- Natural skill for good quality writing, both technical and not
- Natural skill for data collection, analysis and organization
- Frequent leader of groups or solo traveler on intercontinental travels to remote destinations relevant for the history of aeronautics, history of architecture, and to airshows, especially in the US and Canada and all over Europe, Russia and the Middle East
- Leader and pilot for sightseeing and flight adventures
- Natural skill for the management of emergencies and unexpected difficult situations, especially when on travel and in flight

Organizational skills and competences

- Management of research projects, from concept to report publication
- Management of university courses - both theoretical lectures and more practical parts, including laboratories, programming activities and exams
- Scientific data collection, analysis and organization
- Book/paper/report writing and authoring
- Peer review for peer-reviewed technical journals (Electric Power Systems Research, Aerospace Science and Technology, Control Engineering Practice and occasionally for other international journals)
- Setup of didactic seminars and lessons
- Setup of press releases
- Setup and management of international scientific/technical meetings
- Website ownership, mastering and maintenance
- Comprehensive organization of prolonged leisure/business travels abroad, individually or for small groups
- Organization of sightseeing and adventure flights

Technical skills and competences

- Extensive knowledge of several realistic control architectures (both model-based and model-free, purely feedback, predictive, both OF and FSFB) and their different methods of design and implementation, especially for application to helicopters and wind turbines
- Extensive knowledge of observation/sensor related issues when dealing with control problems, and ability in the design of signal observers
- Extensive knowledge of wind observation and prediction issues related to helicopter rotors and wind turbines, co-author of the world first papers in this field
- Extensive knowledge of flight dynamics and consolidated aircraft design issues and solutions
- Extensive experience of aircraft design procedures for innovative propulsion configurations, in particular all-electric and hybrid-electric aircraft
- Broad practical experience in numerical optimization problems via both gradient-based and genetic algorithms
- Broad experience in the field of multi-body simulation and analysis of flexible and aero-elastic systems
- Extensive experience in the simulation of helicopter flight mechanics and control
- Cutting-edge knowledge of new observation techniques for flight mechanics parameters in helicopters through the aero-elastic response of the rotor
- Good experience in model identification, especially for use in model-based control system design and for the synthesis of observers, both for wind turbines and helicopters
- Good familiarity with the optimal approach to the solution of various engineering problems
- Good knowledge of design methods for helicopters and tactical missiles guidance
- Extensive knowledge of different propulsion systems for aeronautics and space purpose
- Experience in the design of small intelligent vehicles (robot rovers) and related control programming
- Basic knowledge of nuclear physics

Computer skills and competences

General purpose:

- Extensive knowledge of Windows OS and Microsoft Office (Word and Power Point in particular), cloud solutions for file archiving, several imaging and video/music editing and authoring tools (Inkscape, GTX)
- Excellent knowledge of Latex typing language
- Good knowledge of Mac OS and related applications
- Good knowledge of Google Analytics for website performance analysis

Technical:

- Extensive knowledge of C and C++, Fortran 77 and Fortran 90, and other hardware-specific languages for board programming
- Broad experience in mixed language hybrid programming (especially C/Fortran projects)
- Extensive knowledge of Matlab/Simulink, for data processing, system simulation, optimization, control design and for solving problems via a numerical approach
- Broad experience with Cp-Lambda multi-body/FEM tool
- Good experience with Femap/Nastran, FAST, Bladed, FlightLab and other commercial codes for structural analysis and simulation of rotating wing systems
- Experience with HTML/CSS, JavaScript, Java
- Experience with WordPress CMS and several SEO tools

Artistic skills and competences

- Extensive knowledge of classical and applied music. Good skill at the piano, 10 years of individual training
- Extensive knowledge of the history of architecture, with a particular focus on the original American and European architecture of the late Nineteenth and Twentieth centuries
- Experienced photographer, especially interested in aircraft, architecture and nature
- Website design – owner and webmaster of a website for travel photographers and urban explorers

Other skills and competences

- Extensive knowledge of the history of propulsion systems for atmospheric and space flight
- Life-long interest in the history and technology of strategic weapons, especially non-conventional weapons
- Good up-to-date knowledge of the strategic assets and balance between the air forces of world Countries
- Experience in electrical energy production topics
- Basic knowledge of astronomy, good practice with observation
- Natural skill for travel and adventure organization, life-long interest in explorations
- Strong experience in UrbEx mission planning and execution
- Collaborations with documentary production company Talos Films (NY) concerning subjects of UrbEx interest
- Frequent traveler/solo traveler to the US, Canada, South Korea, Russia, Belarus, the Ukraine and >25 European and Middle-East Countries.
- Sports: airplane piloting, skiing, running, mountain hiking, cycling and kayaking

Driving/other license

Driving license for cars, granted January 2003

Private pilot license PPL(A)-VFR, granted February 2013, current

Advanced Ultralight pilot license, granted March 2017, current

Patents

- Italian patent “Velivolo con Batterie Elettriche, in Particolare Velivolo Ibrido (Aircraft with Electric Battery, in Particular Hybrid Aircraft)”, issue number 102016000114808, approved 14/11/2016
- European patent “Aircraft with Electric Battery, in Particular Hybrid Aircraft”, submission PCT/EP2017/078728, pending

Publications

Books:

- Giorgio Guglieri, Carlo E.D. Riboldi, “Introduction to Flight Dynamics”, Celid, Torino, 2014, ISBN-13 9788867890422

Papers:

- C.L. Bottasso, A. Croce, C.E.D. Riboldi, Y. Nam, “Power Curve Tracking in the Presence of a Tip Speed Constraint”, *Renewable Energy*, Vol.40, 2012
- C.L. Bottasso, A. Croce, C.E.D. Riboldi, Y. Nam, “Multi-Layer Control Architecture for the Reduction of Deterministic and Non-Deterministic Loads on Wind Turbines”, *Renewable Energy*, Vol. 51, 2013
- C.L. Bottasso, C.E.D. Riboldi, “Estimation of Wind Misalignment and Vertical Shear from Blade Loads”, *Renewable Energy*, Vol.62, February 2014
- C.L. Bottasso, P. Pizzinelli, C.E.D. Riboldi, L. Tasca “LiDAR-Enabled Model Predictive Control of Wind Turbines with Real-Time Capabilities”, *Renewable Energy*, Elsevier, Vol.71, 2014
- C.L. Bottasso, A. Croce, C.E.D. Riboldi, “Optimal shutdown management”, *Journal of Physics: Conference Series*, Vol. 524, 2014
- C.L. Bottasso, A. Croce, C.E.D. Riboldi, M. Salvetti, “Cyclic pitch control for the reduction of ultimate loads”, *Journal of Physics: Conference Series*, Vol. 524, 2014
- C.L. Bottasso, C.E.D. Riboldi, “Validation of a Wind Misalignment Observer using Field Test Data”, *Renewable Energy*, Vol.74, 2015
- L. Trainelli, M. Gennaretti, G. Bernardini, A. Rolando, C.E.D. Riboldi, M. Radaelli, L. Riviello, A. Scandroglio, “Innovative Helicopter In-Flight Noise Monitoring Systems Enabled by Rotor-State Measurements”, *Noise Mapping*, Vol.3, 2016
- C.E.D. Riboldi, “On the optimal tuning of individual pitch control for horizontal-axis wind turbines”, *Wind Engineering*, Vol. 40, 2016
- C.E.D. Riboldi, F. Gualdoni, “An Integrated Approach to the Preliminary Weight Sizing of Small Electric Aircraft”, *Aerospace Science and Technology*, Vol. 58, 2016
- C.L. Bottasso, A. Croce, F. Gualdoni, P. Montinari, C.E.D. Riboldi, “Articulated blade tip devices for load alleviation on wind turbines”, *Wind Energy Science*, Vol. 1, 2016
- A. Croce, F. Gualdoni, P. Montinari, C.E.D. Riboldi, C.L. Bottasso, “Inertial and aerodynamic tuning of passive devices for load alleviation on wind turbines”, *Journal of Physics: Conference Series*, Vol. 753, 2016
- C.E.D. Riboldi, S. Cacciola, “Individual pitch control for 2-bladed wind turbines via multiblade multilag transformation”, *Wind Energy*, Vol. 20, 2017
- S. Cacciola, C.E.D. Riboldi, “Equalizing aerodynamic blade loads through individual pitch control via multiblade multilag transformation”, *Journal of Solar Energy Engineering, Transactions of the ASME*, Vol.139, 2017
- C.E.D. Riboldi, F. Gualdoni, L. Trainelli, “Preliminary weight sizing of light pure-electric and hybrid-electric aircraft”, *Transport Research Procedia*, Vol. 29, 2018
- S. Cacciola, C.E.D. Riboldi, A. Croce, “Monitoring rotor aerodynamic and mass imbalances through a self-balancing control”, *Journal of Physics: Conference Series*, Vol. 1037, 2018

- A. Croce, S. Cacciola, C.E.D. Riboldi, L. Sartori, "The Science of Making Torque from Wind (TORQUE 2018)", editorial, Journal of Physics: Conference Series, Vol. 1037, 2018
- C.E.D. Riboldi, "An optimal approach to the preliminary design of small hybrid-electric aircraft", Aerospace Science and Technology, Vol. 81, 2018
- C.L. Bottasso, A. Croce, C.E.D. Riboldi, G.S. Bir, "Real-Time Estimation of Structural and Wind States for Wind Turbine Advanced Control", European Wind Energy Conference & Exhibition (EWEC 2009), Marseille, France, March 16-19, 2009
- C.L. Bottasso, A. Croce, C.E.D. Riboldi, "Computing Spatial Estimates of the Over-the-Rotor Wind Distribution for Advanced Wind Turbine Active Control", 5th European and African Conference on Wind Engineering (EACWE 5), Firenze University Press, Firenze, 2009
- C.L. Bottasso, A. Croce, C.E.D. Riboldi, G.S. Bir, "Spatial Estimation of Wind States from the Aeroelastic Response of a Wind Turbine", Torque 2010 -The Science of Making Torque from Wind, Heraklion, Crete, June 28-30, 2010
- C.L. Bottasso, C.E.D. Riboldi, "Higher-Harmonic Control of Wind Turbines", European Wind Energy Conference & Exhibition 2011 (EWEC 2011), Curran Associates, Red Hook, NY, 2011
- C.L. Bottasso, P. Pizzinelli, C.E.D. Riboldi, "LiDAR-Enabled Predictive Control of Wind Turbines with Real-Time Capabilities", Torque 2012 – The Science of Making Torque from Wind, Oldenburg, Germany, October 9-11, 2012
- C.L. Bottasso, C.E.D. Riboldi, "Observation of Wind Misalignment from Blade Loads", The Science of Making Torque from Wind 2012, Oldenburg, Germany, October 9-11, 2012
- C.L. Bottasso, C.E.D. Riboldi, "LiDAR-Enabled Real-Time Control of Wind Turbines", European Wind Energy Association Annual Event (EWEA 2013), Vienna, Austria, February 4-7, 2013
- C.L. Bottasso, C.E.D. Riboldi, "Wind Estimation by Blade Loads", European Wind Energy Association Annual Event (EWEA 2013), Vienna, Austria, February 4-7, 2013
- C.L. Bottasso, C.E.D. Riboldi, "Improved Wind Direction Measurement through Blade Loads", 69th American Helicopter Society International Annual Forum 2013, Curran Associates, Red Hook, NY, 2013
- L. Trainelli, A. Croce, C.E.D. Riboldi, R. Possamai, A. Castagnoli, "Multibody Modelling of a Novel Two-Bladed Helicopter: Trim Studies", Multibody Dynamics 2015, CIMNE, Barcelona, 2015
- L. Trainelli, A. Croce, C.E.D. Riboldi, R. Possamai, "Dynamic Characterization of a Novel Gimbal Two-Blade Helicopter Rotor", 71st American Helicopter Society International Annual Forum 2015, Curran Associates, Red Hook, NY, 2015
- L. Trainelli, C.E.D. Riboldi, M. Bucari, "Observing the Angle of Attack of the Tip Path Plane from Rotor Blade Measurements", 41st European Rotorcraft Forum (ERF2014), Munich, Germany, September 1-4, 2015
- A. Rolando, F. Rossi, C.E.D. Riboldi, L. Trainelli, R. Grassetti, D. Leonello, M. Redaelli, "The Pilot Acoustic Indicator: A Novel Cockpit Instrument for the Greener Helicopter Pilot", 41st European Rotorcraft Forum (ERF2014), Munich, Germany, September 1-4, 2015
- L. Trainelli, C.E.D. Riboldi, "Hybris – An Innovative Concept for Future General Aviation", 13th Pegasus-AIAA Student Conference, Berlin, Germany, April 5-7, 2017
- S. Cacciola, C.E.D. Riboldi, A. Croce, "A New Decentralized Pitch Control Scheme for Wind Turbines", 20th World Congress of the International Federation of Automatic Control (IFAC 2017), Toulouse, France, July 9-14, 2017
- L. Trainelli, C.E.D. Riboldi, "Developing an Observation Methodology for Non-Measurable Rotorcraft States", 43rd European Rotorcraft Forum (ERF 2017), Milan, Italy, September 12-15, 2017

- C.E.D. Riboldi, L. Trainelli, S. Cacciola, "A Model-Based Design Framework for Rotorcraft Trim Control Laws", 43rd European Rotorcraft Forum (ERF 2017), Milan, Italy, September 12-15, 2017
- A. Croce, C.E.D. Riboldi, L. Trainelli, M. Amoozgar., "Basic Aeroelastic Stability Studies of Hingeless Rotor Blades in Hover Using Geometrically Exact Beam and Finite-State Inflow", 43rd European Rotorcraft Forum (ERF 2017), Milan, Italy, September 12-15, 2017
- C.E.D. Riboldi, L. Trainelli, "Conceptual Design of a Structural-Battery Hybrid-Electric Aircraft", 24th Conference of the Italian Association of Aeronautics and Astronautics (AIDAA 2017), Palermo - Enna, Italy, September 18-22, 2017 – awarded Best Post-Doc Paper prize 'Giorgio Cavallini' 2017
- C.E.D. Riboldi, L. Trainelli, "Flynk - the Future All-Electric Commuter Concept for Metropolitan Areas", 24th Conference of the Italian Association of Aeronautics and Astronautics (AIDAA 2017), Palermo - Enna, Italy, September 18-22, 2017
- L. Trainelli, C.E.D. Riboldi, "Award-Winning Innovative Aircraft Design Projects at Politecnico di Milano", Aerospace Europe CEAS 2017 Conference. European Aerospace "Quo Vadis?", Bucharest, Romania, 16-20 Oct. 2017
- C.E.D. Riboldi, "Weight Optimal Design of Light Hybrid-Electric Aircraft", Association Aéronautique et Astronautique de France, AEGATS'18 Conference, Toulouse, France, 23-25 Oct. 2018
- C.E.D. Riboldi, L. Trainelli, F. Biondani, "A Sizing Procedure for Structural Batteries in Hybrid-Electric Aircraft", Association Aéronautique et Astronautique de France, AEGATS'18 Conference, Toulouse, France, 23-25 Oct. 2018
- F. Bigoni, A. Moreno-Perez, F. Salucci, C.E.D. Riboldi, A. Rolando, L. Trainelli, "Design of Airport Infrastructures in Support of the Transition to a Hybrid-Electric Fleet", Association Aéronautique et Astronautique de France, AEGATS'18 Conference, Toulouse, France, 23-25 Oct. 2018
- N. Rossi, A. Rolando, C.E.D. Riboldi, F. Salucci, L. Trainelli, "A General Approach to Conceptual Design of Hybrid-Electric Aircraft", Association Aéronautique et Astronautique de France, AEGATS'18 Conference, Toulouse, France, 23-25 Oct. 2018
- L. Trainelli, A. Rolando, C.E.D. Riboldi, F. Salucci, "Evaluating The Impact Of Fleet Switching To Hybrid-Electric Aircraft On Airport Infrastructures", MEA2019 - More Electric Aircraft, Toulouse, France, 6-7 Feb. 2019

Ph.D. Thesis:

- Carlo E.D. Riboldi, "Advanced control laws for variable-speed wind turbines and supporting enabling technologies", 2012, <https://www.politesi.polimi.it/handle/10589/56887>

Additional information

- Prof. Carlo L. Bottasso, Technische Universität München (carlo.bottasso@tum.de) – Wind turbines
- Prof. Alessandro Croce, Politecnico di Milano (alessandro.croce@polimi.it) – Wind turbines
- Prof. Yoonsu Nam †, Kangwon National University (nys@kangwon.ac.kr) – Control of wind turbines
- Dott. Federica Baretta, LeitWind AG (federica.baretta@leitwind.com) – Control of wind turbines
- Prof. Lorenzo Trainelli, Politecnico di Milano (lorenzo.trainelli@polimi.it)
– Aircraft design, helicopter simulation and control
- Prof. Marco Borri, Politecnico di Milano (marco.borri@polimi.it) – Flight dynamics
- Prof. Giorgio Guglieri, Politecnico di Torino (giorgio.guglieri@polito.it) – Flight dynamics
- Dott. Cristian Rimoldi, Agusta-Westland (cristian.rimoldi@agustawestland.com) – Helicopter systems
- Prof. Luciano Galfetti, Politecnico di Milano (luciano.galfetti@polimi.it) – Space propulsion laboratory
- Prof. Renato Picardi, Politecnico di Milano (renato.picardi@polimi.it) – Airport management
- Com.te Michele Nebuloni, Sky Services (<https://www.skyservices-flightacademy.com/>)
– Flight training
- Com.te Ing. Luca Salvadori, Aero Club Milano (lsalv@aeroclubmilano.it) – Flight operations