

PERSONAL INFORMATION

Franco Bernelli Zazzera



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Sex male | Date of birth 20/12/1960 | Nationality Italian

WORK EXPERIENCE

Mar. 2001 – to date **Full Professor in Aerospace Systems**  
 Politecnico di Milano, Italy  
 Nov. 1992 – Feb. 2001 **Associate Professor in Flight Mechanics**  
 Politecnico di Milano, Italy  
 Nov. 1990 – Oct. 1992 **Post-Doctoral Fellowship**  
 Politecnico di Milano, Italy

EDUCATION AND TRAINING

1988 - 1990 **Ph.D. in Aerospace Engineering**  
 Politecnico di Milano, Italy  
 ▪ Dissertation on: "Modeling and active control of aerospace dynamic systems"  
 1979 - 1986 **Master Degree in Aeronautical Engineering, full marks (100/100)**  
 Politecnico di Milano, Italy  
 ▪ Thesis on: "Methods for the identification of the stability derivatives and the flutter characteristics of aircrafts by means of flight tests"  
 1985 **3-months internship**  
 Aermacchi S.p.A.  
 ▪ Study and numerical implementation of flight test analysis methods  
 1984 **3-months internship**  
 Pilatus Aircraft Ltd.  
 ▪ Study and numerical implementation of flight test analysis methods  
 1974 - 1979 **High School, full marks (60/60)**  
 Liceo Scientifico Statale "R. Donatelli", Milano, Italy

LANGUAGE SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient (C2)	Proficient (C2)	Proficient (C2)	Proficient (C2)	Proficient (C2)
French	Proficient (C2)	Proficient (C2)	Proficient (C2)	Proficient (C1)	Proficient (C1)
Chinese	Basic (A2)	Basic (A1)	Basic (A2)	Basic (A1)	Basic (A1)

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
 Common European Framework of Reference for Languages

## TEACHING ACTIVITIES

At Politecnico di Milano

Academic years 1989/1990, 1990/1991 and 1991/1992, seminars in the course of Aircraft Constructions I

Academic Year	Course	Level
1992/1993 to 1993/1994	Meccanica del Volo Spaziale II	Ms.
1994/1995 to 2000/2001	Meccanica del Volo Spaziale II Servosistemi Aerospaziali	Ms. Ms.
2001/2002 to 2003/2004	Meccanica del Volo Spaziale II Servosistemi Aerospaziali Azionamento e controllo di sistemi meccanici	Ms. Ms. PhD
2004/2005 to 2006/2007	Dinamica e controllo d'assetto Dinamica e controllo del volo Azionamento e controllo di sistemi meccanici	Ms. Ms. PhD
2007/2008 to 2008/2009	Dinamica e controllo d'assetto Dinamica e controllo del volo	Ms. Ms.
2009/2010	Dinamica e controllo d'assetto Dinamica e controllo del volo Fondamenti di meccanica del volo atmosferico e spaziale	Ms. Ms. Bs.
2010/2011	Dinamica e controllo d'assetto Dinamica e controllo del volo Fondamenti di meccanica del volo atmosferico e spaziale Laboratorio di ingegneria aerospaziale	Ms. Ms. Bs. Bs.
2011/2012	Spacecraft attitude dynamics and control Fondamenti di meccanica del volo atmosferico e spaziale Laboratorio di ingegneria aerospaziale	Ms. Bs. Bs.
2012/2013	Spacecraft attitude dynamics and control Introduzione all'analisi di missioni spaziali Laboratorio di ingegneria aerospaziale	Ms. Bs. Bs.
2013/2014 to 2014/2015	Spacecraft attitude dynamics and control Introduzione all'analisi di missioni spaziali	Ms. Bs.
2015/2016 to 2017/2018	Impianti e sistemi aerospaziali Introduzione all'analisi di missioni spaziali	Bs. Bs.

From academic year 1990-1991 to date, supervision of over 240 Ms. theses in aerospace engineering.

Supervision of 10 doctoral theses in aerospace engineering.

## In other Universities

14 short courses held in the following Universities: Fachhochschule Aachen – Germany (course level: Bs.), Universidad de Sevilla – Spain (course level: Ms. / PhD), National University of Defense Technology – China (course level: Ms. / PhD).

Co-supervision of 26 Ms. theses, presented at Politecnico di Torino, Università di Pavia, University of Glasgow, TU Delft, Fachhochschule Aachen, Technische Universität München, Université de Liège, Universidad Politecnica de Madrid, Universität Stuttgart.

Co-supervision of 1 PhD thesis defended at Universidad de Sevilla.

## RESEARCH ACTIVITIES

## Publications

Author or co-author of over 250 scientific publications, in the period 1987-2017, out of which 65 in peer-reviewed journals.

## Impact

From Scopus data: 962 total citations by 737 documents

h-index: 19

- Editorial Activity** Member of the editorial Board of the AIDAA Journal "Aerotecnica Missili e Spazio".  
Member of the editorial Board of the "Journal of Small Satellites".  
Member of the editorial Board of the "International Journal of Aerospace Engineering".
- Projects** Responsible of the research unit of Politecnico di Milano in 10 national projects, funded by the Italian Ministry for University and Research, the Italian Conference of University Rectors, the Italian Space Agency  
Responsible of the research unit at Politecnico di Milano in one Marie-Curie Initial Training Network, EU-FP7  
Coordinator of the PERSEUS Coordination and Support Action under H2020  
Responsible for 20 industrial contracts assigned to Politecnico di Milano (education, research and technology transfer)
- Membership** AIDAA member since 1986 (Italian Association of Aeronautics and Astronautics).  
AIAA member since 1992. (American Institute of Aeronautics and Astronautics).

## MANAGEMENT DUTIES

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- At Politecnico di Milano** Responsible for the lectures timetables from the academic year 1992/1993 to 2001/2002.  
Member of the Faculty for the PhD in Aerospace Engineering from the academic year 1995/1996 to present.  
Erasmus coordinator for Aerospace Engineering from the academic year 1996/1997 to present.  
Member of the Board of the Department of Aerospace Engineering from November 1, 1999 to October 31, 2002.  
Deputy Dean of the 4th Faculty of Engineering of Politecnico di Milano for the years 2002-2010.  
Member of the Board of the Alta Scuola Politecnica from November 1, 2004 to present.  
Deputy Director of the Department of Aerospace Engineering of Politecnico di Milano from April 2011 to December 2012.  
Coordinator of the degree courses in aerospace engineering at Politecnico di Milano for the year 2012.  
Head of the Department of Aerospace Science and Technology at Politecnico di Milano for the period 2013-2016.  
Nominated as Guarantor of Transparency of Politecnico di Milano for the period 2017-2019.

## In other entities

Member of the Central Council of AIDAA for the period 2008-2019.

Trustee Board Member of CEAS, representing AIDAA, since 2017

Chairman of Pegasus (Partnership of a European Group of Aeronautics and Space Universities) from April 2011 to April 2015.

Member of the Accreditation Committee for the Aerospace Engineering degree courses at TU Delft in the year 2007.

International expert for the accreditation of courses at Šiauliai University, Aleksandras Stulginskis University in Kaunas, Kaunas University of Technology and Vilnius Gediminas Technical University, years 2012 and 2013.

From October 2012, member of the Space Education and Outreach Committee of the International Astronautical Federation (IAF).

From October 2015, member of the Conseil de Perfectionnement at ISAE Toulouse.

From January 2017, member of the Conseil des Actions Internationales at ISAE Toulouse.