

Europass curriculum vitae



Personal information

Surname / First name

Work Address

Telephone(s)

E-mail

Date of birth

Gender

Morandini Marco

Dipartimento di Scienze e Tecnologie Aerospaziali, Politecnico di Milano
via La Masa 34
20156 Milano
ITALY

+39 02 2399 8362

Fax: +39 02 2399 8334

marco.morandini@polimi.it

Jun 15, 1970

Male

Work experience

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

2015 —

Associate Professor

Research on structural mechanics, FEM methods, multibody dynamics and active structural control.
Lecturer, "Modellazione di strutture aerospaziali" B.S. course, "Non-linear analysis of aerospace structures" M.S. course (since 2014), "Variational mechanics of elastic solids" Ph.D. course (since 2013)

Politecnico di Milano

University

2010 — 2015

Assistant Professor

Research on structural mechanics, FEM methods, multibody dynamics and active structural control.
Lecturer, "Modellazione di strutture aerospaziali" B.S. course, "Analisi non lineare di strutture aerospaziali" M.S. course (since 2013), "Variational mechanics of elastic solids" Ph.D. course (since 2013)

Politecnico di Milano

University

2003 — 2010

Research fellowship

Research on structural mechanics, FEM methods, multibody dynamics and active structural control.
Lecturer, "Progetto aerospaziale" B.S. course.
Teaching assistant, "Dinamica e controllo di strutture" M.S. course.

Politecnico di Milano

University

1999 – 2003

PhD fellowship

PhD student; teaching

Politecnico di Milano

Dates
 Occupation or position held
 Main activities and responsibilities
 Name and address of employer

1997 – 1999
 Fellowship
 Research (optimization of crash-worthy structures; nonlinear continuum mechanics) and teaching
 Politecnico di Milano

Education and training

Dates
 Title of qualification awarded
 Principal subjects/Occupational skills covered

2001 – 2003
 Aerospace PhD
 – continuum mechanics;
 – nonlinear constitutive laws for metals and composites;
 – nonlinear finite element method;
 – programming.
 Politecnico di Milano

Name and type of organisation providing organisation and training
 Level in national or international classification

ISCED level 6

Dates
 Title of qualification awarded
 Principal subjects/Occupational skills covered

1989 – 1995
 Ms in Aerospace Engineering
 Ms thesis title: “optimal design of filament-wounded structural components using genetic algorithms”.
 Politecnico di Milano

Name and type of organisation providing organisation and training
 Level in national or international classification

ISCED level 5A

Dates
 Title of qualification awarded
 Level in national or international classification

1984 - 1989
 Maturità classica
 ISCED level 3A, general education

Personal skills and competences

Mother tongue

Italian

Other language(s)
 Self-assessment
 European level (***)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

Social skills and competences

Good team-working attitude and communication skill;

Organisational skills and competences

Good team work management attitude; coordination of small/medium international projects.

Technical skills and competences

Linear and nonlinear structural FEM analysis; Nastran, Marc, Abaqus.
 I-DEAS, Pamcrash; multibody analysis.
 Continuum mechanics. Numerical methods.
 Basic knowledge of control system theory.

Computer skills and competences

Scientific programming (C++, C, F77, python).
 Development of FEM and multibody codes.
 Shell scripting, python, php, SQL.