Curriculum Vitae

Personal information

Surname / First name	**Bagnoli Luca**
Address	Via di Pratignone n°122, 50053, Empoli (FI), Italy
Telephone	Home (0039) 0571 921498 Mobile (0039) 3392541773
e-mail, website	luca.bagnoli@gmail.com , www.lucabagnoli.com
Nationality	Italian
Date of birth	8 April 1980
Marital Status	Single

Interest Areas / Fields of Specialisation

Structural Design, Dynamic and Control, Fluid dynamics & Aerodynamics

Work Experience

October 2006 – April 2007

6 Months stage at EADS Astrium in Friedrichshafen, Germany, for the following thesis:

Multibody Analysis of solar array deployment using flexible bodies

The work of thesis, commissioned by the Structural & Thermal department, consists in the generation of a flexible model of solar array structures. The aim of the work was to check and show the limit of a first rigid model approach (with condensed stiffness) and provide a better understanding of loads related with the deployment dynamics of the structure. The model was implemented using NASTRAN (generation of flexible bodies from the FEM model) and ADAMS (for the multibody dynamic simulation)

For further information please visit http://www.lucabagnoli.com/University_career/Thesis.htm

Education

- January 2000 – October 2007 **Aerospace Engineering** , Pisa University, Pisa, Italy

  Aerospace Specialization (5 years course)
  Final graduation : 110 e lode (summa cum laude)

  Subjects Studied (marks are x/30 – L stands for honour)

General Physics	27		*Aerospace Servo Systems*	30
Aero-Spatial Technical Design and Drafting	29		*Thermodynamics and Heat Transfer*	30
Geometria	28		*Aircraft Engines and Gas Turbines*	30 L
Mathematical Analysis I	25		*Aeronautics Structures*	30
Principles of Computer Engineering	29		*Space Flight Mechanics*	30
Chemistry	30		*Flight Mechanics*	28
Mathematical Analysis II	30		*Machine Design*	27
General Physics II	24		*Numerical Methods for Fluid Dynamics*	30 L
Manufacturing Processes	29		*Economics and Business Administration*	29
Rational Mechanics	27		*Aircraft Design*	27
Electronics	28		*Aerospace Systems*	28
Structural Mechanics & Strength of Materials	26		*Aerospace Propulsion*	26
Fluid Dynamics	30		*Aerodynamics*	30
Mechanics Applied to Machinery	28		*Rocket Propulsion*	26

- 2004 – 2006 University Application projects

  Aircraft Design Course
  Work in group of two people for the preliminary design and dimensional calculation of a commercial aircraft (reference model A320)

Numerical Methods for Fluyd Dynamics Course
Study of a 3D parabolic problem with a finite volume method using Matlab

Machine Design Course
Work in a group of three people for the design of a Scissor Lift Pallet Truck

For further information please visit http://www.lucabagnoli.com/University_career/Uni_Projects.htm

- 1994 – 1999 Liceo Scientifico Statale "Il Pontormo", Empoli

High School Diploma, mark 100/100 (A levels equivalent, grade A's in all subjects)

Awards	PEGASUS AWARD for special achievement through working abroad for academic research or industrial development projects, University of Pisa, 2007

Personal skills and competences

Languages	*Italian*, Mother tongue
	English, Spoken and written fluently
	German, Basic knowledge of spoken language

Computer skills and competences	**Operative System:** Windows OS ; LINUX and UNIX OS (base level)
	Software: Matlab, Ansys, ProE, Catia, Nastran/Patran, ADAMS, Office suite, video and images editing, vectorial graphics**.**
	C++ and HTML (now studying)

Personal Interest	I like computer technology and all technology in general. I usually assemble computers for me and my friends. I love travelling and I like to organize journeys. I like motorbikes and making little works of maintenance on them. I'm really keen on reading and watching movies. I'm quite good in cooking
	I enjoy skiing, mountain biking and gym.