

Marco TESTI

Date/Place of Birth October 6th, 1970, Italy
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Marital status Single
Civil service Accomplished



Work Experience

2003-2004 Screening and technical design of a prototype aerobatic vehicle contraption. Aerodynamics, Structure, Man-Machine Interface, system integration. Personal venture
2002 [ACROE](#) Grenoble, intersensoriality modelization in Cognitive Science: "Research of cognitive invariants in the haptic exploration of virtual contours" (stage 300h)
1995-1999 Robotic designer, prototyper and technician, [S.M. Scienza Machinale s.r.l.](#), Pisa, Italy
European and national projects. Concurrent engineering. Team working. Test engineering. Specific competences in integrated prototyping, [extensive project experience](#) with Pro/ENGINEER CAD software in large assembly management environment. Expertise in prototype screening.

Trainer and external consultant in Pro/ENGINEER applications, [Parametric Technology Corporation](#)

Generic competences in sensorization (estensimetric and piezoelectric).

Clean environment experience (estensimeter application on sensors, magnetos application in [VIRGO](#) (INFN/CNRS) mechanical filter devices)

Large workshop coordination experience in parts manufacturing and assembly, along complex prototype realizations. Experience in dealing with part suppliers. Plain mechanical fixing and troubleshooting of assemblies.

* Some realizations:

Co-designer of a human shoulder exoskeleton, ([1](#), [2](#) or [3](#)) designer of a prototype automated system for a world leader packaging firm, consultant and designer for an automated system of geological monitoring, designer of mechanical solutions in advanced robotics and special NC machines, test machines ([scratch tester](#), active vibration dampener), screener and designer of mechanical solutions for heterogeneous industrial applications.

1998-1999 Mechanical designer assistant [Safeline](#)®, pilots training specialists.
Flight simulator consolles production drawings, large flight simulators cockpit arrangement, mechanical subsystems

Industrial Patent

2000 Registration [US 6,273,371](#), IT PI98A0075 "Method for interfacing a pilot with the aerodynamic state of the surfaces of an aircraft and body interface to carry out this method", a.k.a. Aerodynamic Smart Skin System (AS3), a haptic sensorial transposition kit for airplane pilots (<http://digilander.iol.it/asthree>)

Education

2002-2003 DEA Sciences Cognitives [Paris](#), (EHESS, Paris VI, Ecole Polytechnique, Ecole Normale Supérieure), Stage @ Department of Computer Science ENS, Prof. [Giuseppe Longo](#), "Complexite et information morphologique". Final dissertation "Intrication sujet-objet dans la mesure de l'information" (<http://digilander.libero.it/karenfuxia/scico/mrkcog.htm>), 13/20
1999-2002 Bachelor's degree in Physical Technologies @ [Dipartimento di Fisica](#) in Pisa, Italy, Final dissertation "Research of cognitive invariants in the haptic exploration of virtual contours", 110/110 and lode

- Third year of studies in Erasmus exchange program @ [Licence/Maitrise](#) in Physique Fondamentale, [Paris XI University](#)
- Auditeur libre (3 exams approved) at the [DEA in Cognitive Sciences](#) held at [LIMSI](#), Paris Orsay (unite' mixte Paris XI/CNRS)
- First and second year of studies in Physical Methodologies @ [Dipartimento di Fisica](#) in Pisa, Italy
- 1992-1999 Self-taught matters related to logic, physics, aeronautical engineering
- 1991 Private Pilot Course and licence in US
- 1989-1990 Faculty of Aeronautical Engineering of Pisa, Italy (average 24/30)
- 1994-1999 High school diploma as robotic technician, with final evaluation of 54/60

Languages

- English Very good command (Course of English Language ([Shenker](#)) with final evaluation of 86/100, permanence in USA)
- Spanish Bilangue
- French Good command (2 years of studies in France)
- Italian Native language

Software

- Pro\ ENGINEER CAD software (Pro\FEATURE, ASSEMBLY, SURFACE, DETAIL, etc.) knowledge to professional standard. Heavy work experience and instructor on behalf of [PTC](#) . Pro\MECHANICA at a basic level
- Matlab 3 semester courses in Physical Models. Simulation experience. Good knowledge. Able of setting up complex physical modelizations and performing code optimizations
- C, assembler Fair knowledge. Computer programming since 14 years old, easy learning of any kind of languages
- X-Plane Deep knowledge and utilization of the code for testing designs or reverse engineering purposes (www.x-plane.com)
- Adobe PhotoShop 2D Photo-Graphic software, knowledge at photographer professional standard
- Adobe Premiere Short film making (demos, spots, technical), non professional standard
- Web Website design, thorough web search abilities
- OS Full computer literate (MS Windows, MS Office, basic UNIX, LINUX)

Other experiences

- 1994-1995 Social initiatives for the youth (*music laboratories, photography and video courses*) c/o the *Town Halls of San Miniato and Fucecchio, Italy*
- 1993-1994 Civil Service in social assistance of *handicapped children and adults*, c/o the *Town Hall of San Miniato (PI), Italy*
- 1994-1999 Pilot of *hang-gliders and paragliders for about 200 hrs, silver patch*
- 1991, 1999 Pilot of *single engine aircrafts, tri- and bicycle gears, for 85 hrs tt (50 as Pilot In Command) in U.S.A. and Chile (C150/152/172, PA-18, BO-208, Luscombe, Ercoupe)*
Competition aerobatic training (10 hrs) in Pitts S2A, able to fly a sequence at Sportsman level
- 1991-1995 Scene photographer, *personal B/W dark room, some expositions (for some photos see <http://www.wai.org.uk/gallery/theatre/elan/index.html>)*
- 1973- Several journeys and permanences in *Europe, U.S.A. and Chile, for studies, work, living and tourism*

Interests, sports and attitudes

Interests: Cognitive Sciences, fundamental and applied Physics, matters of Logic, Philosophy of Science and Language, Aeronautical Engineering, Technic, Photography, Classical music, Flying

Classical Music:

2000 3 year Classical Piano licence (7/10)
1998 Music Theory and Solfeggio licence (6.8/10)
1996-2000 Classical Piano, Classical Cello studies

Flying:

2003 Skydive training (Maubeuge, FRA)
1999 Competition aerobatic training (Pensacola FL, U.S.A.)
1995 Hang-glider licence
1991 United States Private Pilot licence (1st Class Medical)

Sport: judo, athletics, volleyball, swimming, cycling, fencing, free-climbing, olympic gymnastic (basics), contemporary dance, flying

Learner, organizer. Eclectic, active, enthusiast attitude.
Outstanding passion for flying since ever

Last updated Nov 2004