

Francesco Cepolina CV

PERSONAL DETAIL

Name Francesco Cepolina Corresponding Address: via Garibaldi 13/1, 16031 Sori (Genoa), Italy
Telephone 331-1379527 E-Mail fcepolina@hotmail.com

4 TECHNICAL DEGREES

Ordinary degree of Bachelor of Engineering in Mechanical Engineering UK
5 years Degree on Mechanical Engineering and Design of Machines ITALY
PhD thesis in Mechanical, Acoustics and Electronic Sciences PARIS
PhD thesis in Mechanics and Machines Design ITALY

WORK/RESEARCH

California, USA
Paris, France
Madrid, Spain
Leeds, UK
Hague, Holland
Genoa, Italy

24 PROJECTS

5 advanced research projects
6 European projects
11 industrial products
2 logistic projects industry plants
13 mechatronics projects
27 surgical modules designed

12 AWARDS

8 fellowships/prizes
4 acknowledgements
51570 € fellowships

SKILLS

Projects management
People coordination
Finances management
Industry logistics
Inventor
New products develop.
Robotics/automation
Mechatronics design
Teacher
Patents defense

WORK

13 years managing R&D innovation
7 years work for industry
3 years engineering consultancy
3 years patents advisor
1 year technical software teacher
52000 € recovered patent infringement
28000 € cost saving

38 PUBLICATIONS

6 Books and books chapters
10 International journals
1 National journal
18 International conferences
3 National conferences
Topic: mechatronics for 13 publications

ATTITUDE

creativity, flexibility, commitment,
innovation, team work, multidisciplinary
approach, authority and democracy, take
risk, aggressive to goals, travel, meet
people, lifelong learning

4 LANGUAGES

Italian (mother lang.)
English (very good)
French (good)
Spanish (good)

9 INDUSTRIAL PATENTS

4 National
5 International

SOFTWARE KNOWLEDGE

Languages: Pascal, Visual Basic, HTML, XHTML, ASP, JAVA, SQL
Systems: MS-DOS, MAC-OS, UNIX, Windows XP, Windows Vista, Server IIS 6.0
2D 3D modelers: Euclid, ProEngineer, SolidWorks, Sweet Home 3D, Google SketchUp, Blender, Autocad
Multibody analysers: DADS, ProMechanica, Ansys Computational analyses; FEM and Thermal
Simulation languages: Modsim III, Matlab, Simulink, ODE 3D dynamics library
Office applications: Microsoft Office, Microsoft Access, Adobe After Effects, Adobe Photoshop, GIMP

EXTRACURRICULAR ACTIVITIES

travel spent abroad in Holland, France, Japan and California. Theatre, football, skiing, swimming, canoe, photography

EDUCATION

- 1,2002 ~ 11,2005 PhD in Mechanics and Machines Design, University of Genoa, Italy
1,2003 ~ 7,2003 PhD in Mechanical, Acoustics and Electronic Sciences, Université Paris 6
9,1993 ~ 4,1999 School of Mechanical Eng., Robotics and automation, Univ. of Genoa, Italy (score 105/110)
9,1996 ~ 6,1997 Ordinary degree of Bachelor of Eng. in Mec. Eng., University of Leeds, UK (score 78)
9,1988 ~ 6,1993 College C. Colombo, Genoa (score 51/60)

AWARDS AND HONORS

- 11,2007 SIRI Award “Arturo Baroncelli” for the PhD Thesis
9,2005 The Industrial Robot Highly Commended Award, AirEOD Airplanes Robot
3,2005 Award of a grant from Intuitive Surgical to research on surgical robotics
6,2004 Award of Carige scholarship to research 10 months in California at Intuitive Surgical
6,2004 PTC Awards 2004, Certificate of Design Excellence, GigiAndretti
3,2004 Invited to be chairman of sessions “Robotics medical applications” in ISR’04, Paris
8,2003 Scholarship for “Summer school on Surgical Robotics” Montpellier
7,2002 Award of a scholarship from Italian French University for the PhD “en-cotutelle”
2, 2002 Award of a MIUR scholarship for the 3 years Italian PhD research
4,2001 Award of a scholarship “Leonardo da Vinci” from U.E. to work 4 months in Madrid
4,2000 The Italian degree thesis wins the I° national award UCIMU-manufacturing systems
9,1996 Award of a scholarship “Erasmus” to study in Leeds, UK

WORK EXPERIENCE

- 6, 2007 ~ Now Manager, Patent advisor and Designer at R&D of Bocchiotti S.p.A., Genoa, Italy
>> printing machines, electric plugs, interlocked plugs, switches, logistics, patents
1, 2006 ~ 5,2007 Mechanical Designer and Manager at R&D of D’Appolonia S.p.A., Genoa, Italy
>> technology transfer, climbing robot, marble splitter, expansion joint, sewing robots
3, 2005 ~ 11,2005 PhD researcher at R&D of Intuitive Surgical, Sunnyvale, California
>> Silicon Valley, surgical robots, innovation, surgical theatre.
3, 2002 ~ 7,2002 Pro-Engineer teacher at “Centro Italiano Femminile”, Genoa, Italy
>> 3D solid modeler, teacher
9, 2001 ~ 12,2001 Mechanical Designer at R&D of Tecnospacec, Genoa, Italy
>> consultancy, underwater diamond cutting machine, patent search
5, 2001 ~ 8,2001 Researcher at “Istituto de Automatica Industrial” CSIC, Madrid, Spain
>> mechanical design, control strategy, boats cleaning robot, skyscrapers robot
5, 2000 ~ 3,2001 Green cross civile service at “Croce Verde Pegliese”, Pegli, Italy
>> ambulances service, Redcross
3, 2000 ~ 2,2001 Mechanical Designer at R&D of D’Appolonia S.p.A., Genoa, Italy
>> consultancy, technology transfer, mining, motoring, textile, medicine
1, 2000 ~ 10,2000 Pro-Engineer teacher at “Centro Italiano Femminile”, Genoa, Italy
>> 3D solid modeler, teacher
9, 1999 ~ 12,1999 European Patent Office stage, The Hague, Holland
>> patents classify, originality check, robot, actuators, soldering machines, bottling

PATENTS

Robotics: [1] ITGE20000109, [2] ITGE990059, [3] WO2005002797. **Electric appliances:** [4] ITMI20080557, [5] EP2104186, [6] EP2117086, [7] EP2117085, [8] FR2923094. **Printer** [9] MI2010A001759