TRAVERSO ALESSANDRO

Engineering Research & Project Management

Address

mobile

Nationality

Date of birth   1980 - 01- 07   e-mail

WORK EXPERIENCE

2006 – current   TRAVERSO ENGINEERING ADVISOR COMPANY
Genoa ITALY

Main skills:

Technical design with CAD and FEA sw for new products manufacturing e developing.

Master plans for robot installation and cnc machine integration

Main activities: prototyping, managing and production optimization

Commercial deal in multiple fields: mechanics, naval and robotics

Main Projects:

- 2020 – current   Design and making of special machine for marble finishing abrasives
- 2014 – current   Design and making of special machine for multiple use in the 3D printing field.
- 2010 – 2018   Project management and system integrator activity for design, installation and test of robotic arm in boat surface finishing.
- 2012 – 2012   Design and making on customer request of robotic welding machine.
- 2010 – 2010   Design and making custom cartesian CNC robot for wind tunnel measuring tools
- 2007 – 2008   Design and making of custom cartesian CNC for reverse engineering with surface 3D scanning and sanding tool
- 2008 – 2009   Masterplan of a latex pillow company with a development of custom and patended machines
- 2007 – 2007   Workshop and Teaching courses of parametric 3D CAD softwares

2012 – 2019   ROSS AND DALE L.T.D. AJ System Division London UK

Co-Founder of the branch C.I.O.; design and prototyping; manufacturing schedule, quality management and field engineer

2011 – 2014   TECNOLAS STRATUP COMPANY
Genoa ITALY

C.E.O. of the company and general manager, business plan and finance programming; prototyping and production management

2008 – 2011   CONTESSI S.a.s.
Genoa ITALY

Design and production engineer of equipment for the use of process gases in iron, steelmaking and custom cutting machine

EDUCATION

<table>
<tr><td>2006 – 2009</td><td>POSTGRADUATE PROGRAM & RESEARCH
University of Genoa
Genoa ITALY</td></tr>
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2006 – 2009   POSTGRADUATE PROGRAM & RESEARCH
University of Genoa
Genoa ITALY

Main field:
Research program for rapid prototyping and new products development
Coordinator and director of production laboratory
Research program fields:

- 2009   CIRP Journal of Manufacturing Science and Technology Publication
  - A non-contact control architecture for micro-components assembly
  - A Real Time System for Tool Wear Monitoring in Turning Process
- 2008   Design and making of grinding and sanding for surface finishing machine
- 2006- 2007   New CNC interface research program in cooperation with NIST (Washington DC) and MIT (Boston)
- 2006   Research activity for national project in micro assembly robotics. Program in cooperation with the university of PISA.

1999 – 2005   UNDERGRADUATE PROGRAM & BACELOR DEGREE
Genoa ITALY

BACHELOR DEGREE
Design, calculation and construction of desktop high speed 5 axis milling center

UNDEGRADUATE RESEARCH:
Technical design of production machine and robots (parts and assemblies)
Finite element analysis of the designed parts
Production schedule and cost analysis

1994 – 1999   SECONDARY SCHOOL Genoa Italy
Technical school in mechanics field

PERSONAL SKILLS

Skill	Level
Social Commitment	◆ ◆ ◆ ◆ ◆ ◆
Creativity	◆ ◆ ◆ ◆ ◇ ◇
Organization	◆ ◆ ◆ ◆ ◆ ◆
Communication	◆ ◆ ◆ ◆ ◇ ◇
Team Player	◆ ◆ ◆ ◆ ◆ ◆

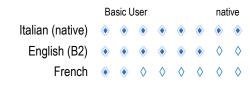## WORKSHOPS & TRAININGS

2016	ADVANCES IN ARCHITECTURAL GEOMETRY AAG2016 WS 1 - AJ GAME From Digital Complexity to Physical Construction ZURICH
2014	ACADIA 2014 WS 6 – PRODUCTION-IMMANENT DESIGN LOS ANGELES
2014	AJ SYSTEM – UB WS – FREE FORM PAVILLION DESIGN BUFFALO NY
2014	AJ SYSTEM – BURO HAPPOLD DIGITAL MANUFATURING WORKSHOP NEW YORK CITY
2014	ADVANCES IN ARCHITECTURAL GEOMETRY AAG2014 WS 4 – Parametrize this – a new approach for designing panelization LONDON UK
2014	SMART GEOMETRY SM2014 3D PRINT AND DIGITAL FABRICATION HONG KONG
2013	ASA 2013 "Cutting Edge in Architectural Science" Parametric design and digital manufacturing lecture HONG KONG

PROFESSIONAL SKILLS & COMPETENCES

Beginners   expert

Skill	Level
Set up of laboratory experiments	◆ ◆ ◆ ◆ ◆ ◆ ◇
Manual skills of hand craft making	◆ ◆ ◆ ◆ ◆ ◆ ◇
CAD Softwares:	
Inventor	◆ ◆ ◆ ◆ ◆ ◆ ◇
SolidWorks	◆ ◆ ◆ ◆ ◆ ◇ ◇
AutoCAD	◆ ◆ ◆ ◆ ◇ ◇
Rhinoceros	◆ ◆ ◆ ◇ ◇ ◇
FEA Softwares:	
Ansys	◆ ◆ ◆ ◆ ◇ ◇
COSMOS	◆ ◆ ◆ ◆ ◆ ◇ ◇
CAE Softwares:	
MatLab	◆ ◆ ◆ ◆ ◆ ◇ ◇
LabView	◆ ◆ ◆ ◇ ◇ ◇
CAM Softwares:	
ABB – ARPP	◆ ◆ ◆ ◆ ◆ ◇ ◇
Mastercam	◆ ◆ ◆ ◆ ◆ ◇
Laser CUT Libellula	◆ ◆ ◆ ◆ ◆ ◆ ◇
CNC /PLC Softwares	
Mach 3	◆ ◆ ◆ ◆ ◆ ◇
Arduino	◆ ◆ ◆ ◆ ◆ ◇
In line and of line programming and setting up of	
CNC Mill / Late Centers	◆ ◆ ◆ ◆ ◆ ◆ ◇
CNC laser cutters	◆ ◆ ◆ ◆ ◆ ◇
CNC EDM Centers	◆ ◆ ◆ ◆ ◆ ◆ ◇

❖ LANGUAGES

	Basic User						native
Italian (native)	◈	◈	◈	◈	◈	◈	◈ ◈
English (B2)	◈	◈	◈	◈	◈	◈	◇ ◇
French	◈	◈	◇	◇	◇	◇	◇ ◇

I'm an uncommon engineer, I grow up, since when a was very young next to production machines, but I always use theory to support all activities.

Trying to find out new challenges in my life, without limits in fields and difficulties, I'm often leaving my comfort zone.

My catch-phrase is "YOU THINK, I MAKE IT"

❖ ADDITIONAL INFORMATION

➢ Italian Driving license A B
➢ No limits Boat license with motor or sails up to 25 m (76 feet)
➢ Radio communication license