



CURRICULUM VITAE

Davide Tagliapietra

Nationality: Italian
Residency: Italian
Date of Birth: 8/2/1973

EXPERIENCE

- 8/2007-present: Partner **Schickler Tagliapietra Yacht Engineering**
 - 01/2010-present ultra-light autoclaved Open 42 design
 - 12/2009-present Open 60 canting-lifting keel system, carbon mast/rig
 - 05/2009 GS4 design winner of D2T start Cup 2009 (www.gardasolar.com)
 - 08/2009 rigging 60 foot cruiser with HM carbon mast, C6 rigging
 - 01/2009 Green Cruiser 50 – Winner of Next Sly Contest (www.sly-yachts.com)
 - 01/2009 CQ6 - Smallest canting keel series boat (www.linqboats.com)
 - 06/2008-present Teacher at IED – Master in Yacht Design – Venezia
 - 04/2008 Mini 650 – series Mini Transat racer, 2win650
 - 09/2007 Kallisto 56' – Med Cruiser, Kallisto Yachts
- 9/2004- 7/2007: 32nd America's Cup Yacht Designer; Team: **+39 Challenge**
 - Hull, appendages and mast structural design
 - Hydraulics layout and development
 - Concept, development and optimization using Pro/Engineer, Pro/Mechanica, NE/NASTRAN, Laminate Tools, FEM Tools
- 12/2006 – 1/2007: Freelance
 - Canting keel design for Azuree 40 - Ceccarelli Yacht Design
 - STP65 Lifting keel structural study for SYDE
- 2000 – 2004: Structural Designer at **German Frers S.r.l.**
 - IACC Boats for 31st America's Cup (Victory Challenge: ORM, ORN)
Responsible for mast, keel, rudder design and development. Responsible for all surface generating (excluding hull shell)
 - 70' Volvo Ocean Race (2005). Study and optimization canting keel and keel area structure
 - 60' Volvo Ocean Race (2001) (Nautor Challenge: Amer Sport One), keel & various structural aspects
 - 42' IMS 2004, IMS 2003
 - Several racer-cruisers from 50' to 130'
- 1999 – 9/2000: One year scholarship sponsored by **Agusta S.p.A.**: Research activity at Aerospace Engineering Department on crash of the Agusta BA609 (ref. Prof. V. Giavotto, Prof. M. Anghileri)
- 9/1999 - 2004: Freelance design and consultancy for CAD/CAE PRO/Engineer together with MP Design



EDUCATION

- 11/1999: Italian State Engineering Exam
- 7/1999: Degree in Aerospace Engineering (5 years course) , **Politecnico di Milano**, Score 91/100
- 1992: Scientific high school diploma; 52/60

THESIS

Title: "Study on a sailing boat canting keel in extreme conditions" (Coordinators: Prof. M. Anghileri, Prof. Diana)

RELATED

IT SKILLS

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|------------------------|--|
| • Expert Knowledge | CAD/CAE: PRO/ENGINEER |
| • Expert Knowledge | PRO/MECHANICA (STRUCTURE & MOTION/MECHANISM) |
| • Expert Knowledge | EXPLICIT FEM ESI/ PAMCRASH (Impact, FSI, CRASH) |
| • Good Knowledge | NE/NASTRAN, FEMAP (Linear static, non linear) |
| • Good Knowledge | LAMINATE/TOOLS composite post processing |
| • Good Knowledge | MULTIBODY code VEDYAC (Impact Simulation) |
| • Good Knowledge | VPP: FutureShip EQUI |
| • Good Knowledge | CFD RANS code CCM+ Cd-Adapco |
| • Good Knowledge | XFLR5, X-foil |
| • Good Knowledge | ALIS 3D linear panel code |
| • Good Knowledge | CAD: AUTOCAD, RHINOCEROS |
| • Knowledge | TDYN - CFD RANS code, ALIS 3D linear panel code, |
| • Scholastic Knowledge | C++, FORTRAN, MATLAB, VISUAL BASIC |
| • Operating Systems | Windows 7/XP, Ubuntu/Linux, Unix |

LANGUAGE SKILLS

Native Italian, fluent spoken and written English, elementary French, beginning Spanish

PERSONAL MOTIVATIONS

Deep interest in sailing boat design, especially in advanced CAE application to the design process. Particular interest in IACC and VOR 70 projects.

HOBBIES

Sports practice: Sailing, Skiing, Soccer.

Interests: Green technologies, Architecture