Università di Genova

Fabrizio Stefani

Researcher

EDUCATION AND TRAINING

2000-2003
PhD in mechanics and machine design
In-depth study of machine element design and tribology with an interdisciplinary approach
University of Genoa, Genoa, IT

1990-1999
Degree in mechanical engineering
Application of engineering concepts to the design, analysis, manufacturing, and maintenance of machines and mechanical systems, as well as the study of related mathematical and physical principles. Final grade: 110/110 cum laude
Faculty of Engineering, University of Genoa, Genoa, IT

1989-1990
High school diploma in classical studies
In-depth study of classical civilization and humanistic culture (Italian and foreign literature, history, philosophy, art history, ancient Greek and Latin), as well as the mathematical, physical, and natural sciences. Final grade: 50/60
Classical high school G. Mazzini, Genoa, IT

PROFESSIONAL HISTORY

2008 - ONGOING
Full researcher
Researcher in the field of machine design and engineering with specific expertise in computational aspects related to tribology, structural mechanics, internal fluid dynamics
Polytechnic School, University of Genoa, Genoa, IT

2005-2007
Post-doc researcher
Research grant funded by Ansaldo Energia for the design of hydrodynamic bearings for rotors
Faculty of Engineering, University of Genoa, Genoa, IT

2003-2005
Post-doc researcher
Research grant funded by the University for the thermo-elasto-hydrodynamic (TEHD) analysis of the lubrication of engine bearings
Faculty of Engineering, University of Genoa, Genoa, IT

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EXPERIENCE

MAIN SEMINARS

2008 Master's degree in industrial plant engineering
Teaching of the seminar on lubrication systems and lubricant application systems
PerForm, University of Genoa, Genoa, IT

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

2017 "Outstanding reviewer" prize
Recognized by the publisher Elsevier as a prominent reviewer
Elsevier, Amsterdam, NL

2015 "Highly Commended Paper Award" prize
Awarded by the publisher Emerald for the work "Design and fast verification of pocket elliptical journal bearings" in the journal "Industrial Lubrication and Tribology"
Emerald Publishing Limited, Howard House, Wagon Lane, Bingley, West Yorkshire, UK

2001 "Young Tribologist Award" prize
Awarded for the work "Elastohydrodynamic Analysis of a Connecting Rod Bearing for High Performance Engines" at the 2001 World Tribology Congress
Österreichische Tribologische Gesellschaft (Austrian Tribology Society), Vienna, AT

PARTICIPATION IN THE CREATION OF NEW BUSINESS ENTITIES (SPIN-OFFS), DEVELOPMENT, USE AND COMMERCIALISATION OF ACADEMIC PATENTS

2015 "Micro-turbogas units completed" patent
Fabrizio Stefani, Ramon Francesconi, Andrea Perrone, Luca Ratto, "Micro-turbogas units completed", Patent filing date: 20/10/2015, filing number: 102015000063286
Università di Genova, Genova, IT

2015 Spin off AMP
Associated with the university spin-off AMP, an engineering consultancy firm that offers advanced technical expertise in product development, innovation and mechanical engineering
Advanced Machines For Power and Propulsion AMP s.r.l., Genova, IT