

Fabrizio Stefani

Researcher

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Education and training

2003

PhD in mechanics and machine design

FEM Analysis of the Lubrication in Connecting Rod Engine Bearings the Influence of Structural Behavior on EHD Performance
University of Genoa - Genoa - IT

1999

Degree in mechanical engineering

Orbital analysis of connecting rod bearings for automotives - 110/110 with honors
University of Genoa - Genoa - IT

Academic experience

2008 - ONGOING

Full researcher

University of Genoa - Genoa - IT

2003 - 2007

Post-doc researcher

University of Genoa - Genoa - IT

Language skills

English

Independent

PET

Research interests

The main research field is the thermo-elasto-hydrodynamic lubrication of kinematic pairs, investigated by means of numerical methods and, to a lesser extent, experimental activities. This prevailing interest involves the development of computational codes for finite element analysis, not necessarily limited to the field of lubrication and tribology, i.e. numerical models for solid mechanics and fluid dynamics are also developed. In general, the research activity is extended to machine design with special interest in cases where the problems of tribological nature are significant.