

Patrice Cartraud

Professor
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Current position

Full Professor of Mechanical Engineering

Education

Mechanical Engineering, Ecole Centrale de Nantes, France, (1988)
Ph. D. Ecole Centrale de Nantes, France (1994)
Habilitation à diriger les recherches, Ecole Centrale de Nantes, France (2003)

Career

Full Professor of Mechanical Engineering at Ecole Centrale de Nantes, France, since 2005
Associate Professor of Mechanical Engineering at Ecole Centrale de Nantes, France, 1994-2005

Research topics

Homogenization and multiscale approaches for materials and structures
Image-based computational modeling
Rotor dynamics
Wirre rope mechanics

Professional activities

Community services

Secretary General of the “Computational Structural Mechanics Association”, 2003-2007.

University service

Member, Executive Council of Ecole Centrale de Nantes, since 2006
Head of Mechanical Engineering, Material Science and Civil Engineering Department, Ecole Centrale de Nantes, 2007-2011
Head of the Computational Structural Mechanics speciality, Master of applied mechanics, Ecole Centrale de Nantes, since 2003
Head of the Computational Structural Mechanics speciality at Ecole Centrale de Nantes 2000-2008

Summary of scientific production

22 papers in peer-reviewed international journals.
3 papers in peer-reviewed national journals.
3 book chapters with ISBN.
60 contributions to workshops and conferences proceedings.
5 participations in conference organization as member of the organizing/scientific committees.