

Curriculum Vitae

Dr.-Ing. Cristian Guillermo Gebhardt



Research Topics

Structural dynamics and multibody systems,
Aeroelasticity and fluid-structure interaction,
Optimization and data-driven computational mechanics,
Wind turbines and wind energy in general

Current Position

Since 2015 **Head of the Group** “*Coupled Dynamical Systems*”
Institute of Structural Analysis, Leibniz University of Hannover, Germany

Background

2018 **Visiting Professor**
IMDEA Materials Institute, Spain

2012-2015 **Research Associate**
Fraunhofer Institute for Wind Energy and Energy System Technology, Germany

2012 **Dissertation (Dr.-Ing.)** “Development of numerical simulations of the aeroelastic behavior of large-scale horizontal-axis wind turbines”
Universidad Nacional de Córdoba, Argentina

2011-2012 **Associate Professor (interim)**
Universidad Nacional de Córdoba, Argentina

2010 **Adjoint Professor**
Universidad Nacional de Córdoba, Argentina

2010 **Visiting Doctoral Fellow**
Aalborg Universitet, Denmark

2010 **Visiting Doctoral Fellow**
Århus Universitet, Denmark

2007-2012 **Research Associate**
Universidad Nacional de Córdoba and CONICET, Argentina

2006-2007 **Design Engineer** at Department of Wind Turbines
Industrias Metalúrgicas Pescarmona S.A. (Argentina)

2005 **Industrial Internship** for analysis of fluid-structure interaction in gravity dams using analytical and numerical approaches to validate simplified methods
Engineering Consultant at SIRVE, Argentina

2001-2005 **Diploma degree in Mechanical and Aeronautical Engineering**
Instituto Universitario Aeronáutico, Argentina

Scholarships and Awards

2019 Elected member of the Young BWG (Braunschweigsche Wissenschaftliche Gesellschaft)

2016 Jury of the Green Talents Competition, Federal Ministry of Education and Research (BMBF), Germany

2012 Postdoctoral scholarship, CONICET, Argentina

2011 Green Talents Award, Federal Ministry of Education and Research (BMBF), Germany

2010 Two visiting doctoral scholarships, Århus Universitet and Aalborg Universitet, Denmark

2010 Doctoral scholarship (continuation), CONICET, Argentina

2007 Doctoral scholarship (initiation), CONICET, Argentina

2006 Best Graduate Award, Academia Nacional de Ingeniería, Argentina

2006 Best Graduate Award, Consejo Profesional de Ingeniería Mecánica y Electricista, Argentina

2000 Several awards to the excellence at high school, Argentina