

Contact

www.linkedin.com/in/guillermo-paniagua-42448222 (LinkedIn)
engineering.purdue.edu/PETAL (Other)
www.petal-solutions.com (Company)
www.researchgate.net/profile/Guillermo_Paniagua (Personal)

Top Skills

CFD
Thermodynamics
Matlab

Languages

English (Full Professional)
French (Professional Working)
Spanish (Native or Bilingual)
Russian (Limited Working)
Dutch (Elementary)

Honors-Awards

Fellow of the American Society of Mechanical Engineers
Associate Fellow of the American Institute of Aeronautics and Astronautics
2nd Place AIAA Undergraduate Team Engine Design Competition
Best Paper Award in Heat Transfer
Award on a Visionary Aeronautics Project Idea for Revolutionary Research

Publications

Stability analysis-based optimisation to control flow separation over a diffusing passage
Investigation of the Unsteady Rotor Aerodynamics in a Transonic Turbine Stage
Aero-thermal optimization of the rim seal cavity to enhance rotor platform thermal protection

Guillermo Paniagua

Full Professor at Purdue University
West Lafayette, Indiana, United States

Experience

PETAL Solutions LLC www.petal-solutions.com
Chief Executive Officer (CEO)
February 2017 - Present (6 years 8 months)
West Lafayette

PETAL Solutions LLC delivers tailored packages which include measurement sensors with customized support, associated software to process sensor outputs, quality and calibration certificates.

Purdue University
9 years

Full Professor
August 2017 - Present (6 years 2 months)
West Lafayette, Indiana

Professor in the School of Mechanical Engineering. Courtesy Professor of Aeronautics and Astronautics.

Associate Professor of Mechanical Engineering
October 2014 - July 2017 (2 years 10 months)
Zucrow Laboratories

von Karman Institute for Fluid Dynamics
17 years 10 months

Adjunct Professor
October 2014 - December 2019 (5 years 3 months)

Associate Professor
December 2009 - September 2014 (4 years 10 months)

Assistant Professor
October 2005 - November 2009 (4 years 2 months)

Senior Research Engineer
March 2002 - September 2005 (3 years 7 months)

Universidad Politécnica de Valencia

Experimental investigation of the unsteady rotor aerodynamics of a transonic turbine stage

Pressure sensitive paint techniques for surface pressure measurements in supersonic flows

Visiting Professor
May 2007 - June 2014 (7 years 2 months)

Wright Patterson Air Force Lab
Senior Research Associate
July 2012 - September 2012 (3 months)
Fairborn, Ohio, USA

University of Oxford
Visiting scholar
August 2011 - August 2011 (1 month)
Osney Lab

Wright State University
Visiting Professor
August 2009 - September 2009 (2 months)

Education

Université libre de Bruxelles
Dr. en Sciences Appliquées, Turbomachinery · (1998 - 2002)

von Karman Institute for Fluid Dynamics
Research Master, Fluid Dynamics: Turbomachinery · (1996 - 1997)

Universidad de Oviedo
Ms. Engineering, Electro Mechanical Engineering · (1990 - 1996)