



PROF FRANCESCO MONTOMOLI, PHD

SENIOR LECTURER-ASSOCIATE PROFESSOR,
UQLAB, DEPT OF AERONAUTICS,
IMPERIAL COLLEGE OF LONDON,
UK

2002-2004: PhD in Energy Engineering, University of Florence, Italy

Supervisor Prof F Martelli, University of Florence, Italy, Advisor Prof J C Han, Texas AM University, TX, USA

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List of Positions,

Dec 2016- : Arianna's father (most important title)

2014-now : Senior Lecturer-Associate Professor, UQlab, Aeronautics Dept., **Imperial College of London**, UK

2012-2014 : Senior Lecturer in Computational Fluid Dynamics, **Univ. of Surrey**, UK

2009-2011 : Senior Fellow-College Lecturer, **Univ. of Cambridge**, UK, Girton College

2011-2012 : Res. Professor in Applied Math and Leader of CFD Team, **Basque Centre for Applied Math**, Spain

2006-2009: Research Associate, Whittle Laboratory, **Univ. of Cambridge**, UK

2005-2006: Design Engineer, General Electric, Oil&Gas, R&D, Italy

2004 : Visiting scholar at Texas AM University, Turbine Heat Transfer Lab, TX, USA

1994-2000: MSc Univ. of Florence, Italy, mechanical engineering, major aerospace propulsion

From 1st of July, **Senior Lecturer-Associate Professor**, Head of the Uncertainty Quantification Laboratory, Academic Fellow of Data Science Institute and Post Graduate Senior Tutor at Imperial College, Aeronautical Department, UK, permanent.

INTERNATIONAL IMPACT OF UQLAB

The Uncertainty Quantification laboratory (UQLab), that Prof Montomoli leads, gained international recognition both in academia and in industry. The mission of the lab is to quantify and minimize the impact of rare events in engineering science with the development of analysis and optimization models. Dr Montomoli, a former research professor in Applied Mathematics at BCAM and a former Senior Fellow of University of Cambridge developed and applied such techniques to world leading industries.

Such activity has received several national and international prizes that have been awarded to the UQlab members (Amelia Earhart Fellowship, Lloyds science of risk etc). Dr Montomoli is an external scientific member of the Basque Center for Applied Mathematics and a spinout of the UQlab (UQuant Ltd) has been nominated one of the best 7 deep science startups in the world for industry 4.0 by Hello Tomorrow.

His main areas of research interest are in the areas of Uncertainty Quantification and Machine Learning for Computational Fluid Dynamics and Fluid Topology Optimization.

MY DOCTORAL STUDIES (NO ADVICES)

I have really enjoyed my doctoral studies, and I am sure that you are going to have a great experience. My supervisor, Prof Martelli, has been always given me the freedom to explore new ideas and concepts, and I am trying to do the same today with my PhD students. I do not have great advices but I wish you to enjoy a very important period for your professional and personal growth.

Anyway if you visit London, let me know, happy to offer you a beer or two (if you have a proof of PhD school 😊)