



Michela Massini, PhD

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PhD in Energy Engineering, University of Florence

XVII Ciclo, 2002-2004

Supervisor: Prof. Giampaolo Manfrida

Thesis on Wind Engineering in collaboration with Von Karman Institute for Fluid Dynamics with title: “ *Experimental Methodology for Environmental Flow Studies*” about pollutant dispersion, analysis of Built Environment based on Fluid dynamic assessment of wind comfort and pollutant dispersion, using experimental data (wind tunnel – VKI facilities and CRIACIV lab, Prato) and numerical simulations(CFD).

During my PhD studies I had been given the invaluable opportunity to work in international institutions, in particular I spent almost a year in Belgium at the **von Karman Institute for Fluid Dynamics** for a Research Master in Environmental and Industrial (Experimental) Fluid Dynamics.

Main Research and Industrial Experiences since then

Aero Design Engineer, Gas Turbines R&D
GE Oil & Gas, Nuovo Pignone, Florence (IT)

July 2005 – February 2007

Research Associate, Instrumentation – Product development and industrialization
University of Cambridge, Cambridge (UK)

March 2007 – April 2011

Project Engineer Team Leader
Waukesha Bearings Corporation, a Dover Company, London (UK)

January 2012 – September 2017

Responsabile Tecnico part-time (Manutenzione/Installazione Impianti Frigoriferi)
and chasing after Arianna the rest of the time, Back Home (IT)

2018

Thoughts on my PhD experience

Surely I would do it again, literally ;) It was an experience that I enjoyed, and opened many doors for my professional development. And... what there could be better than learning and working on your favorite subject? (and they even pay you for that).

The PhD gave me the possibility to become part of an international community in my area of studies, and to make very valuable connections around the world that last for years. Some of them are still very good friends. Thanks to my supervisor I had the possibility to work in an international environment, and develop many skills that gave me the flexibility to take many different engineering roles from research to manufacturing. As main responsible of my own research, I was given full freedom for my research, and I learnt to manage it, to solve problems and cope with the available resources. Last but not least the technical background and work method of the Dipartimento di Ingegneria Industriale was a very good school for my following positions, both in research at Cambridge and in industry. Certainly an invaluable experience also from the personal point of view.