

PERSONAL INFORMATION

Marco Maria Agostino Rossi



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 marcorossi.apple@gmail.com

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 Skype: silanel

Sex Male | Date of birth 17/08/1985 | Nationality Italian

STUDIES APPLIED FOR

Civil Engineering

WORK EXPERIENCE

November 2010 - now

Research fellow

Politecnico di Milano University, Piazza Leonardo da Vinci 32, Milano, Italy

Analysis and development of hydraulic devices through computational fluid dynamics studies (CFD). Research of new models to evaluate control valves efficiency. Research support and writing of articles for Magazines and Conferences.

Business or sector Hydraulic devices with a special focus on control valves.

September 2009 – January 2012

Collaborator

Il Tempo Ritrovato, , Milano, Italy

Organization of courses for free time or educational purposes in different city of North of Italy.

Research of places and teachers for the courses. Communication and customer care services.

Business or sector free-time association

EDUCATION AND TRAINING

2012

English Language

Ohio University, Athens, Ohio, USA

Three months course for English writing and conversation

2004 –2010

Civil engineering master degree

Politecnico di Milano, Milano, Italy

Designing of buildings (concrete and steel structures and foundations), rivers hydraulics and underground water.

2000 -2004

High School Diploma

Liceo Classico Don Carlo Gnocchi, Carate Brianza, Monza e Brianza, Italy

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1

- Communication skills**
- Good communication skills gained through my experience as collaborator of *Il tempo ritrovato*.
 - Ability to communicate with different cultures gained in one year of living in Ohio, United States of America.
- Organisational / managerial skills**
- Management of many tasks gained through the organization of 20 or more free time courses per year, including advertisements management and diffusion.
 - problem solving capability gained with the problem resolution for the organization of the courses.
- Job-related skills**
- Good command of matlab and C++ coding.
 - Writing of scientific articles both for Conferences and Journals.
 - Knowledge of experimental test plants and measurement tools and instruments for hydraulic devices characterization.
 - Writing of scientific reports related to numerical analysis and experimental results of hydraulic devices.
 - Experience in writing national and European research project grant applications.
- Computer skills**
- Good command of Phoenix (CFD), Star-CCM+ (CFD), Ansys Fluent (CFD) and Workbench, Solidworks, Paraview, AutoCAD, matlab, ArcGIS, Microsoft Office™ tools, any Internet Browser, Pages, Numbers, Windows and Mac OS.
 - Use of social network, Facebook and Twitter.
- Other skills**
- Gardening
- Driving licence**
- B (car)

ADDITIONAL INFORMATION

- Conferences**
- Rossi M.M.A, Malavasi S., Ferrarese G.,Messa G.V., (2015). Improvements and validation of the numerical prediction of the incipient cavitation index. Submitted to ASME 2015 piping and vessels conference.
- Malavasi S., Ferrarese G., Rossi M.M.A. (2014). Experimental and numerical characterization of a new control valve. Water Ideas 2014 Conference. Bologna, Italy
- Malavasi S., Ferrarese G., Rossi M.M.A. (2014). A control valve to Harvest Energy.
In: Proceedings of the WDSA 2014 Conference. Bari, Italy
- Malavasi S., Rossi M.M.A., Ferrarese G., Messa G.V. (2013). Numerical Method to Provide Cavitation Index for Control Valves. In: Proceedings of the ASME 2013 Pressure Vessels & Piping Division Conference PVP2013. p. 1-7, Paris, France, 14/07/2013-18/07/2013
- Journals**
- Malavasi S., Ferrarese G., Rossi M.M.A. (2015). GreenValve: Hydrodynamics and Applications of the Control Valve for Energy Harvesting, Urban Water Journal , article Submitted
- Memberships**
- Member of CAI (Club Alpino Italiano)