

# Antonello Cherubini

Contact            antonello.cherubini@gmail.com  
Address            via Alamanni 13b, Ghezzano, Pisa, Italy  
Date of birth        December 29th 1987

## *Education*

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2013 – Now        PhD Student in mechanical engineering at Scuola Superiore Sant’Anna, Pisa  
2007 - 2012        MS and Bachelor in mechanical engineering at Politecnico di Milano mark: 110/110  
Scholarship for talented students awarded by Tenaris.  
Exchange program at University of Maryland, Maryland, USA.  
Exchange program at Tongji University, Shanghai, China.  
GRE general test, Quantitative score: 800/800

## *Work experience*

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2013 – Now        Scuola Superiore Sant’Anna, Pisa, Italy  
Hydrodynamic modeling of an offshore floating Airborne Wind Energy system.  
Experimental thermo-mechanical characterization of Nylon Coil actuators.  
2012 – 2013        R&D engineer at KiteGen Research Srl, Chieri (TO), Italy.  
Feasibility analysis of a special pulley.

## *Publications*

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2015                A. Cherubini, A Papini, R Vertechy, M Fontana, “Airborne Wind Energy Systems: A review of the technologies” Renewable and Sustainable Energy Reviews 51, 1461-1476  
2015                A. Cherubini, R. Vertechy, M. Fontana, “Dynamic Modeling of Offshore Airborne Wind Energy Converters”, (in review)  
2015                A. Cherubini, R. Vertechy, M. Fontana, “Simplified Model of Offshore Airborne Wind Energy Converters”, Renewable Energy  
2015                A. Cherubini, G. Moretti, R. Vertechy, M. Fontana, “Experimental Characterization of Thermally-Activated Artificial Muscles based on Coiled Nylon Fishing Lines”, AIP Advances 5 (6), 067158  
2015                G Moretti, A Cherubini, R Vertechy, M Fontana, “Experimental characterization of a new class of polymeric-wire coiled transducers”, SPIE Smart Structures, San Diego  
2013                A. Cherubini, M. Ippolito, “Puleggia perfezionata per verricello ad alta efficienza”, patent application ITTO20130365.

## *Language skills*

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Italian             Mother tongue  
English            Fluent: C2, IELTS academic - 8/9  
French             Intermediate: B1  
German            Basic: A1.2  
Chinese            Fair: official Beijing HSK - Elementary C (3/11)

## *Computer Skills*

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OS and office      Windows, Android, Ubuntu, MS Office, Latex – Very good  
Programming:    Matlab, Simulink – Very good.  
                         Python, Django tester – Fair  
Engineering:     CAD, FEM: Inventor, Solidworks, Solidedge, Abaqus – Good  
                         Labview: Basic (Core1)

*Nov 2015*

*Autouello Cherubini*