CURRICULUM VITAE

PERSONAL INFORMATION

Surname, Name	**ROSSETTI Alessandro**
Address	7, Via Ponte Conca. I-47843, Misano Adriatico, Rimini (RN)
Telephone	mobile (+39) 339 6012342 home (+39) 0541 614197
E-mail	alessandro.rossetti3@unibo.it
Nationality	Italian
Date of birth	04th September 1977
Gender	Male

TEACHING EXPERIENCE

• Dates	***Academic year 2016/20017***
• Name of employer	Aerospace Engineering University of Bologna, School of Engineering and Architecture. Via Fontanelle, 40. I-47100 Forli (FC).
• Subject	Aircraft Aerodynamics – Module B – Supersonic Aerodynamics
• Position	Contract Professor

• Dates	***Academic year 2017/20018***
• Name of employer	Aerospace Engineering University of Bologna, School of Engineering and Architecture. Via Fontanelle, 40. I-47100 Forli (FC).
• Subject	Aircraft Aerodynamics – Module B – Supersonic Aerodynamics
• Position	Contract Professor

WORK EXPERIENCE

• Dates	***September 2004 to January 2005***
• Name of employer	Advanced Research Center on Electronic Systems "E. De Castro" (ARCES), at the Joint STMicroelectronics-University Laboratory, II Faculty of Engineering, Via Seganti 103. I-47100 Forli (FC), Italy.
• Sector	Fem Mechanics Simulations, Research and Development
• Position	Hardware/software designer in University research projects.
• Main activities	Design and testing of prototypes of electronic sensor devices and hardware-software systems. Software development and coordination.

• Dates	***January 2005 to December 2007***
• Name of employer	Fluidynamics Laboratory CICLoPE University of Bologna, Second Faculty of Engineering. Via Fontanelle, 40. I-47100 Forli (FC).
• Sector	Aerodynamics – Electronic Sensing Devices
• Position	Phd Student
• Main activities	Professor assistant for the courses: Fluidynamics L., Aircrafts Aerodynamics L, Applied Aerodynamics LS, of the Master of Science in Aerospace Engineering Applied Aerodynamics.
• Dates	***January 2008 to present***
• Name of employer	University of Bologna, Second Faculty of Engineering.Via Fontanelle, 40. I-47100 Forli (FC).
• Sector	Aerodynamics – Electronic Sensing Devices
• Position	Research Fellow
• Main activities	Experimental wind tunnel testing on wind sails applications, experimental aerodynamics testing of entry vehicle for mars landing, innovative vertical axis wind turbine.

EDUCATION AND TRAINING

• Dates	**1996**
• Organisation providing education	Istituto Tecnico Statale "F. Baracca" Via Montaspro, 94 - 47100 Forlì
• Title of qualification awarded	Aeronautical Scientific high school degree, score 52/60
• Level in national international classification	High School Diploma
• Dates	**1997-2004**
• *Organisation providing education*	University of Bologna, Second Faculty of Engineering. Via Fontanelle, 40. I-47100 Forli (FC), Italy.
• Title of qualification awarded	Master of Science degree in Aerospace Engineering, 100/100 score and honors
• Level in national and international classification	Master degree.
• Dates	**2004**
• Organisation providing education	University of Bologna, Second Faculty of Engineering. Via Fontanelle, 40. I-47100 Forli (FC), Italy.
• Title of qualification awarded	National professional qualification in engineering, (national exam with 120/120 score)
• Dates	**January 2005 - May 2008**
• Organisation providing education	University of Bologna, Second Faculty of Engineering. Via Fontanelle, 40. I-47100 Forlì (FC).
• Title of qualification awarded	Ph.D. degree in Fluidynamics.
• Principal subjects/professional skills covered	Research and design of innovative prototypes sensors for aerodynamics applications.

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE	Italian

OTHER LANGUAGES	English
• Understanding	C2 (reading), C1 (listening)
• Writing	C2
• Speaking	C1

ORGANISATIONAL SKILLS AND COMPETENCES	Coordinator of the activities of collaborators and students within research projects. Aptitude to team work. Experience in multidisciplinary design and research team. Organization of courses, lessons, public talks and technical presentations in national events.
AIRCRAFT PILOT LICENSE	PPL – Private Pilot License
DRIVING LICENSE	Italian type “B” driving license

ADDITIONAL INFORMATION

Author or coauthor of scientific papers in international journals and conferences.
Main publications:

[1] A. ROSSETTI, R. CODELUPPI, A. GOLFARELLI , M. ZAGNONI, P. PROLI M. TARTAGNI, A.TALAMELLI (2007). Multpphysic fem tool for capacitive differential pressure sensors design. XIX Congresso Nazionale AIDAA 17-21 settembre 2007 Forli .

[2] S. CALLEGARI, M. ZAGNONI, A. GOLFARELLI, M. TARTAGNI, A. TALAMELLI, P. PROLI, ROSSETTI A. (2006). Experiments on aircraft flight parameter detection by on-skin sensors. SENSORS AND ACTUATORS. A, PHYSICAL. vol. 130-131, pp. 155 - 165 ISSN: 0924-4247.

[3] ZAGNONI M., ROSSETTI A., PROLI P., GOLFARELLI A., CALLEGARI S., TALAMELLI A., SANGIORGI E., TARTAGNI M. (2005). A thin film strip for aerodynamic body pressure profile monitoring. In: Digests of Technical Papers. Transducers '2005. (vol. 1, pp. 499 - 502). ISBN/ISSN: 0-7803-8994-8. s.l: s.n.

[4] S. CALLEGARI, A. ROSSETTI, M. ZAGNONI, A. GOLFARELLI, M. TARTAGNI, A. TALAMELLI, V. ROSSI (2005). Flight Attitude detection by measurement made on the aircraft skin using redundant strip pressure sensors SENSORS XVII Congresso Nazionale AIDAA 19–22 settembre 2005 Volterra (PI).

[5] D. MODENINI, A. CORBELLI, A. ROSSETTI, A. TALAMELLI, P. TORTORA, T. V. PETERS, J. KOHELER, *Experimental Aerodynamic Characterization of a Rotary Entry Vehicle for Mars Landing*, in: , Atti del XX Congresso Nazionale AIDAA, MILANO, AIDAA, 2009, pp. 1 - 11 (atti di: XX Congresso Nazionale AIDAA, Milano, Italy, 29 June-3 July 2009) [atti di convegno-relazione]

[6] ROSSETTI A., R. CODELUPPI, A. GOLFARELLI, M. ZAGNONI, A. TALAMELL, M. TARTAGNI (2010). A PCB-Embedded Pressure Sensor for Wireless Wind Sail Monitoring. In: Procedia Engineering. Linz, Austria, September 5 - 8, 2010, vol. volume 5,, p. 315-318

[7] R. CODELUPPI, A. GOLFARELLI, ROSSETTI A., P. PROLI, A. TALAMELLI AND M. TARTAGNI (2010). A Sensor Network for Real-Time Windsail Aerodynamic Control. In: 52nd International Symposium Electronics in Marine (ELMAR-2010). Zadar -Croatia, 15-17/09/2010, p. 341-344

[8] ROSSETTI. A, CODELUPPI R., GOLFARELLI A., ZAGNONI M., TALAMELLI A., TARTAGNI M. (2011) Design and characterisation of polymeric pressure sensors for wireless wind sail monitoring. Sensors and Actuators A: Physical, 167 (2). 162–170. ISSN 0924-4247

[9] Wind Tunnel Experiments on a NACA0015 Airfoil Equipped with Vectorizable Dielectric Barrier Discharge Plasma Actuators (AIAA 2014-2684)

Borghi, C. ,Cristofolini, A., Neretti, G., Seri, P. , Talamelli, A., Rossetti, A. - American Institute of Aeronautics and Astronautics

Patents:

[1] V. SEDLAK A., TALAMELLI A,. ROSSETTI , H. ALFREDSSON
(2013) *Aerodynamic Device for Motorcycle Use* **–** Italy TO2013A000791
Original title: "Dispositivo aerodinamico per uso motociclistico".
Description: A device which by the use of aerodynamic interference effects improves a race motorcycles cornering abilities.

I hereby state that I am informed that, according to Art. 26 of the Italian law 15/68, false statements, false acts and the use of false acts are punished as described in the penal code and related special laws. Moreover, I hereby grant the authorization to the treatment of these personal data, according to the Italian "D.Lgs. 196/03" and its modifications and integrations.

Forli 1st Apr 2018

Alessandro ROSSETTI