



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Angelo / Buizza**
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E-mail **angelo.buizza@unipv.it**
Nationality **Italian**
Date of birth **28-4-1948, BRESCIA, ITALY**
Gender **Male**

Work experience

Dates **Since November 1st, 1994**
Occupation or position held **Full Professor of Bioengineering**
Main activities and responsibilities **Teaching, Research, Management**
Name and address of employer **University of Pavia, Pavia, Italy**
Type of business or sector **Academy**

Dates **December 3rd, 1985 - October 31st, 1994**
Occupation or position held **Associate Professor of Bioengineering**
Main activities and responsibilities **Teaching, Research, Management**
Name and address of employer **University of Pavia, Pavia, Italy**
Type of business or sector **Academy**

Dates **August 1st, 1980 - December 2nd, 1985**
Occupation or position held **Researcher; in charge of Bioengineering course teaching**
Main activities and responsibilities **Research, Teaching**
Name and address of employer **University of Pavia, Pavia, Italy**
Type of business or sector **Academy**

Dates **November 1st, 1978 - July 31st, 1980**
Occupation or position held **Teacher of Bioengineering**
Main activities and responsibilities **Teaching, Research**
Name and address of employer **University of Pavia, Pavia, Italy**
Type of business or sector **Academy**

Dates **September 1st, 1976 - August 31st, 1978**
Occupation or position held **Fellowship holder**
Main activities and responsibilities **Research in the field of bioengineering**
Name and address of employer **Consiglio Nazionale delle Ricerche, CNR – P.le Aldo Moro - Rome, Italy**

Type of business or sector | Research

Dates | October 1st, 1974 - August 31st, 1976

Occupation or position held | Teacher of Electrical plants and Electro-mechanics in secondary school

Main activities and responsibilities | Teaching

Name and address of employer | Ministry of Education - Rome, Italy

Type of business or sector | Secondary school

Education and training

Dates | October 10th, 1972

Title of qualification awarded | Degree of "Laurea" in Electronic Engineering

Principal subjects/occupational skills covered | Electronic Engineering

Name and type of organisation providing education and training | University of Padua, Italy

Personal skills and competences

Mother tongue(s) | **Italian**

Other language(s)

Self-assessment

European level ()*

French

English

Spanish

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
C2	C2	C1	C2	C2	
B1	B2	B2	B2	C1	
B2	B2	A2	A2	A2	

(*) *Common European Framework of Reference for Languages*

Social skills and competences | Experience of team work, also in an international environment, in a multidisciplinary context, in particular concerning engineering applications in biomedical field.

Organisational skills and competences | Experience of direction of university department.
Experience of direction of scientific research projects and teams.

Technical skills and competences | Use of biomedical instrumentation for functional evaluation.
Development and use of mathematical models in biomedicine.
Biomedical signal processing.
Management of medical technology.

Computer skills and competences | Use of programming languages. Use of different packages in Windows environment.

Artistic skills and competences

Other skills and competences

Driving licence | Italian B driving licence

Additional information

Research periods at the Laboratory for Work Physiology, CNRS, Paris, F (1976-1980).
Fellowship from CNRS, France, for a research period at the Institute for Fluid Mechanics, CNRS and University L. Pasteur, Strasbourg, F (1985).
Visiting professor at the Higher National School of Physics, University of Strasbourg, Strasbourg, F (since 1987).
Collaboration with the Centre for Research and Studies on Biomedical and Healthcare Technology (CRSTBS), and the Centre for Information and Evaluation of Biomedical Devices (CIVAB), Research AREA, Trieste, Italy (1989-1999).
Teacher at the National University of Córdoba (Argentina, 2002) and the University of Buenos Aires (Argentina, 2003).

Annexes

List of most significant publications

ANGELO BUIZZA
MOST SIGNIFICANT PUBLICATIONS

- Buizza A., Léger A., Droulez J., Berthoz A., Schmid R.: Influence of otolithic stimulation by horizontal linear acceleration on optokinetic nystagmus and visual motion perception. *Exp. Brain Res.* 39: 165-176 (1980)
- Schmid R., Buizza A., Zambambieri D.: A non-linear model for visual-vestibular interaction during body rotation in man. *Biol. Cybern.* 36: 143-151 (1980)
- Buizza A., Schmid R.: Visual-vestibular interaction in the control of eye movements: mathematical modelling and computer simulation. *Biol. Cybern.* 43: 209-223 (1982)
- Buizza A., Schmid R.: Model interpretation of visual-vestibular interaction in patients with labyrinthine and cerebellar pathologies. *Biol. Cybern.* 47: 203-211 (1983)
- Buizza A., Castelnuovo P., Mevio E., Mira E.: Harmonic versus impulsive acceleration testing of the vestibulo-ocular reflex in normal humans. *Acta Otolaryngol.* 100: 106-111 (1985)
- Buizza A., Schmid R.: Velocity characteristics of smooth pursuit eye movements to different patterns of target motion. *Exp. Brain Res.* 63: 395-401 (1986)
- Buizza A., Schmid R.: The influence of smooth pursuit dynamics on eye tracking, a mathematical approach. *Med. Biol. Eng. Comput.* 27: 617-622 (1989)
- Zucca G., Botta L., Mira E., Manfrin M., Poletti A., Buizza A., Valli P.: Effects of hydrostatic pressure on sensory discharge in frog semicircular canals. *Acta Otolaryngol.* 111: 820-826 (1991).
- Buizza A., dell'Aquila T., Giribona P., Spagno C.: The performance of different pressure pulse generators for extra-corporeal lithotripsy. A comparison based on commercial lithotripters for kidney stones. *Ultrasound Med. & Biol.* 21: 259-272 (1995).
- Lazzari S., Vercher J.-L., Buizza A.: Manuo-ocular coordination in target tracking. I. A model simulating human performance. *Biol. Cybern.* 77: 257-266 (1997).
- Zucca G.P., Botta L., Valli S., Giannoni B., Mira E., Perin P., Buizza A., Valli P.: Effects of caloric stimuli on frog ampullar receptors. *Hearing Res.* 137: 8-14 (1999).
- Valli P., Buizza A., Botta L., Zucca G., Ghezzi L., Valli S.: Convection, buoyancy or endolymph expansion: what is the actual mechanism responsible for the caloric response of semicircular canals? *J. Vestibular Res.* 12: 155-165 (2003).
- Buizza A., Ramat S.: About the effects of velocity saturation on smooth pursuit. *Ann. N.Y. Acad. Sci.* 1039: 459-462 (2005).
- Panella L., Tinelli C., Buizza A., Lombardi R., Gandolfi R.: Towards objective evaluation of balance in the elderly: validity and reliability of a measurement instrument applied to the Tinetti test. *Int. J. Rehab. Res.* 31(1): 65-72 (2008).
- Valli P., Botta L., Zucca G., Valli S., Buizza A.: Simulation of cupulolithiasis and canalolithiasis by an animal model. *J Vestibular Res* 18: 89-96 (2008)
- Buizza A., Ferraris P., Gandolfi R., Lombardi R., Pilato E.: About correlation between centre of pressure, trunk, and head sways during quiet upright stance. *J Vestibular Res*, 20: 299-300 (2010).
- Colagiorgio P., Romano F., Sardi F., Moraschini M., Sozzi A., Bejor M., Ricevuti G., Buizza A., Ramat S.: Affordable, automatic quantitative fall risk assessment based on clinical balance scales and Kinect data. 36th Annual International IEEE EMBS Conference, Chicago, USA, August 26-30, 2014, 978-1-4244-7929-0 (2014).
- Romano F., Colagiorgio P., Buizza A., Sardi F., Ramat S.: Extraction of Traditional COP-Based Features from COM Sway in Postural Stability Evaluation. Proc. 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Milano, August 25-29th (2015).