



Europass Curriculum Vitae

Personal information

Surname(s) / First name(s) **Paladino Ombretta**

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Nationality Italian

Date of birth 30/06/1962

Gender Female

Work experience

Dates 2007- currently

Occupation or position held Chairman of the Council for the M.Sc. and B.Sc. Courses in Environmental & Energy Engineering

Main activities and responsibilities Directorate (managing and planning of teaching activities)

Name and address of employer University of Genova

Type of business or sector Education & Research

Dates 2000- currently

Occupation or position held Professor – University of Genova - Italy

Main activities and responsibilities Chair of "Transport Phenomena", "Environmental Impact of Chemical Processes" and "Environmental Chemical Processes & Sanitary Engineering"– Faculty of Engineering

Name and address of employer University of Genova

Type of business or sector Education & Reasearch

Dates 1995- 2000

Occupation or position held Research Professor – University of Genova - Italy

Main activities and responsibilities Regular professor of "Systems Analysis in Chemical Engineering" and "Principles of Chemical Engineering II", Faculty of Engineering

Name and address of employer University of Genova

Type of business or sector Education & Reasearch

Education and training

Dates March 1994 - March 1996

Title of qualification awarded Post-Doctorate

Name and type of organisation providing education and training | Environment Institute, Joint Research Centre of the European Commission

Dates | November 1989, PhD title in 1990

Title of qualification awarded | PhD in Chemical Engineering & Processes

Name and type of organisation providing education and training | Politecnico of Turin

Dates | July 1985

Title of qualification awarded | M.Sc. in Chemical Engineering (magna cum laude)

Name and type of organisation providing education and training | University of Genova

Personal skills and competences

Author of about 100 scientific paper on international refereed journals and on proceeding of international congresses. Expert on identification of industrial and man-made hazards by means of dynamic modelling of reactive chemicals, field and lab data analysis and pollutant sources identification; evaluation of both outdoor and indoor environmental and human health risk. Expert on reduction of industrial and man-made hazards by process optimization, on-line fault diagnosis and control of plants; green chemical processes, solid-waste and waste-water management, recycle and energy recover, remediation techniques.

Mother tongue(s) | **Italian**

Other language(s)

Self-assessment
European level (*)

English
French

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

(*) Common European Framework of Reference for Languages

Additional information

Research Projects and Consulting Activity

2012 "Optimization of a biomass gasification-combustion process", AGRAS Energia s.r.l.

2011 "Operation analysis and verification of the Zero Liquid Discharge system on S. Severo Power Plant", ANSALDO Energia S.p.A.

2010 – 2012 "Analysis of reactivity and transport of Nanoscopic Zero Valent Iron (NZVI) for in-situ groundwater remediation of chlorinated hydrocarbons" project funded by Italian Ministry of Research and University.

2008 - 2010 "Feasibility study and preliminary design of a solid waste treatment plant based on coupled gasification and anaerobic digestion", Genoa Municipality.

2006 - 2010 "BICEPS- Biogas Integrated Concept European Program for Sustainability", project funded by European Commission, EU TREN/05/FP6EN/607.65034/019904.

2006 "Groundwater quality model for the Pancevo NIS oil-refinery after Kosovo conflict" project funded by D'Appolonia S.p.A. and Italian Ministry of Environment.

2005 – 2006 "Advanced technologies for DNAPLs source identification, characterization and treatment" project funded by Italian Ministry of Research and University.

2005 "Optical methods for the study of pollutant dispersion in porous media" project funded by UNIGE.

2003 – 2005 "Reactive chemicals transport in saturated soils", project funded by UNIGE.

2002-2006 "MCFC Power Plants: from laboratory tests to commercialization", project FISR funded by Italian Ministry of Research and University.

2002 – 2005 "IRMATECH – Integrated Researches on Materials, Technologies and Processes to Enhance MCFC in a Sustainable Development" project funded by European Commission EU – ENKS-CT-2002-00647.

2001-2002: "Experimental design on porous materials used in MCFC (Molten Carbonate Fuel Cells)", project funded by UNIGE.

2001-2002: "Characterization of porous powders and materials for the production of Molten Carbonate Fuel Cells electrodes", project funded by Ansaldo Fuel Cells S.p.A.

2000-2001 "Parameters estimation and sensitivity analysis of dynamic models for pollutants transport prediction", project funded by UNIGE.

1998-1999 "Development of models for the prediction of neuro-toxic effects of pesticides" project funded by UNIGE.

1994 - 1996: Technical surveys in Mediterranean areas (Tunisia, Libya) for studying desertification (research fellowship, European Commission)

1992 - 1996: Technical surveys in Mediterranean areas (Tunisia, Algeria, Morocco) for solar/hydrogen, co-generation, ANSALDO International, ANSALDO Sistemi Industriali S.p.A..

1993: "Neural networks for process diagnosis in real time", AUTOMA – ITALIMPIANTI S.p.A.

1993: "Process data reconciliation", ITALIMPIANTI S.p.A.;

1992: "Deep knowledge based models for a wastewater treatment plant", ITALIMPIANTI S.p.A.;

1992: Organization of training programs on waste-water plants operation (Morocco, Egypt), ANSALDO International, ANSALDO Industria Divisione Ambiente.

1991 - 1992: Organization of training programs on power plants operation (Jamaica, Yemen, Egypt), ANSALDO International, ANSALDO Industria S.p.A..

1990-1991: "Qualifications for a predictive deep knowledge based expert system for on-line diagnosis", FINMECCANICA, ANSALDO Ricerche S.p.A.;

1989-1991: "Dynamic simulation of a fluidized-bed incinerator", ITALIMPIANTI S.p.A.;

1989-1990: "Design of a deep knowledge based expert system for on-line diagnosis", ANSALDO Ricerche S.p.A.;

1985-1986: "Development of a fluid-dynamic model for the evaporation and the atmospheric dispersion of heavy gases after accidental losses", TECNIMONT (Montedison);