

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name
Address
Telephone
Fax
E-mail

SIMONE COLOMBO

Nationality

Italian

Date of birth

WORK EXPERIENCE

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

September 2010 onwards
VIRTHUALIS, Corso di Porta Romana, 63, 20122, Milan, Italy
Health, Safety, Environment (HSE) Engineering
President
Business Vision Creation, Business Strategy Definition, Alliances

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- Main activities and responsibilities

October 2006 – November 2010
European Safety and Reliability Association (ESRA)
Industrial Safety
Chairman of the Technical Committee on Human Factors in Safety and Reliability
Coordination activities of the Technical Committee on Human Factors in Safety and Reliability

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July 2006 – July 2008
Italian Association of Chemical Engineering (AIDIC)
National Association
Member of the Executive Board
Establish link between the AIDIC association and the European Technology Platform on Industrial Safety (ETPIS) as well as with the National Technology Platform on Industrial Safety (PTISI)

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- Main activities and responsibilities

May 2005 – May 2010
VIRTHUALIS Consortium, Piazza Leonardo da Vinci, 32, 20133, Milan, Italy
European Consortium, Industrial Safety
Project Manager and Safety Expert
Conceived, created and managed the project as well as the relationship with the European Commission, Total Partners 50 (from 17 European Countries), Total Budget 15M€, Budget Managed 15M€

- Dates (from – to)
- Name and address of employer
 - Type of business or sector

May 2005 onwards
POLITECNICO DI MILANO, Piazza Leonardo da Vinci, 32, 20133, Milan, Italy
High Education – University

- Occupation or position held
- Main activities and responsibilities

Assistant Professor
Professor on “Safety & Reliability in the process industry – Advanced”

May 2005 – May 2008

POLITECNICO DI MILANO, Piazza Leonardo da Vinci, 32, 20133, Milan, Italy
High Education – University
Assistant Professor
Assistant Professor on “Chemical Plant Engineering”

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

March 2005 – July 2008

European Technology Platform (ETPIS)
European Association
Executive Board Member and Leader of the Human Factors Engineering Focus Group
Activity performed are as follow:

- Vision creation for the Human Factors Engineering research agenda (20 years vision)
- Coordination activity of the different European Human Factors experts and stakeholders

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

December 2003 – July 2005

Municipality of Pedrengo, Piazza Elena Frizzoni, 1, 24066 Pedrengo (BG), Italy
Public sector
Safety Engineer

Activity performed in this experimental project are as follow:

- Development of the impact areas for a potential major accident of a Seveso II plant placed in the territory of the municipality
- Definition of the strategy for emergency response of First Responders
- Creation of the Emergency Plan for First Responders

The outcomes of the project, i.e., methodology of intervention and the associated manual, have been used by the Ministry of Interior to define the National law for emergency response.

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

September 2002 – June 2003

INAIL (National Public Insurance for Injuries at Work), Piazza 5 Giornate 3, 00192 Rome, Italy
Labour Insurance, Public sector
Safety Engineer

Activity performed in this experimental project was that of developing engineering contents for a public hypertext on safety, precisely:

- Limits of exposure to chemicals
- Good practices for handling chemicals
- First Response for chemical injuries

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

May 2002 – September 2003

Lombardy Region, Via Fabio Filzi, 22, 20124 Milano, Milan, Italy
Public Sector
Safety Engineer

Activity performed in this experimental project was that of contributing to the development of the methodology for the integrated estimation of NaTech risks on the territory with the ultimate goal to use it for civil protection

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

February 2002 – May 2005

TRENDS Consortium (European Consortium), Veritasveien 1, 1363, Høvik, Oslo, Norway
European Consortium
Manager and Safety Expert, Industrial Safety

Contributed to the creation of the consortium contents and managed the subproject n. 2 (named Work Package n. 2)

- Dates (from – to)
- Name and address of employer

March 2000 – March 2003

PRISM Consortium (European Consortium), 165 -189 Railway Terrace, CV21 3HQ, Rugby, United Kingdom

- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

European Consortium

Manager and Safety Expert, Industrial Safety

Conceived and created a European project that merged with another project to give birth to the PRISM project under which the role covered has been that of managing the subproject n. 7. The Work Package n. 7 was focused on the use of Virtual Reality for improving safety. The work done here has been the basis for the creation of the VIRTUALIS project.

- Dates (from – to)
- Name and address of employer

October 1999 – October 2000

National Research Council – National Group of Defense for Chemical, Industrial and Ecological Risks (GNDRCIE), c/o Istituto di Ricerche sulla Combustione Piazzale Vincenzo Tecchio, 80, 80125, Napoli, Italy

Public Sector

Researcher

The work focused on development of mathematical models for emergency release (blow-down systems) of high-pressure vessels.

- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

EDUCATION AND TRAINING

- Dates (from – to)
- Name and type of organisation providing education and training
 - Title of qualification awarded
- Principal subjects/occupational skills covered

May 2001 – May 2004

POLITECNICO DI MILANO, Piazza Leonardo da Vinci, 32, 20133, Milan, Italy

PhD

Thesis title: "Human Factors & Virtual Reality: Incorporating HF into PSA and Exploiting Virtual Reality for Supporting the Human Failure Probabilities". The work is a contribution to solve, in engineering terms, the age-old issue of integrating human factors in safety to enable, on the one hand, safety analysts to better assess the safety level and, on the other hand, decision-makers to make their decisions on the basis of a more realistic picture of the safety level.

- Dates (from – to)
- Name and type of organisation providing education and training
 - Title of qualification awarded

September 1999 – September 2000

Aberdeen University, King's College, AB24 3FX, Aberdeen, United Kingdom

MSc in Safety Engineering

- Dates (from – to)
- Name and type of organisation providing education and training
 - Title of qualification awarded

September 1993 – September 1999

POLITECNICO DI MILANO, Piazza Leonardo da Vinci, 32, 20133, Milan, Italy

Master Degree in Chemical Engineering

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES
([Common European Framework of Reference for Languages](#))

- Understanding skills
- Speaking skills
- Writing skills

ENGLISH

LISTENING C1	READING C1
SPOKEN INTERACTION C1	SPOKEN PRODUCTION C1
WRITING C1	

<ul style="list-style-type: none"> • Understanding skills • Speaking skills • Writing skills 	FRENCH	
	LISTENING A2	READING A2
	SPOKEN INTERACTION A2	SPOKEN PRODUCTION A2
SOCIAL SKILLS AND COMPETENCES	WRITING A2	
	Team work: experience at working in various types of teams from research to industrial teams	
	Mediating skills: experienced at working on large, virtual European association covering managerial roles that require marked mediating and communication skills	
ORGANISATIONAL SKILLS AND COMPETENCES	Intercultural skills: experienced at working in a European dimension in multicultural and interdisciplinary working groups	
	In all my professional experience I've always been promoter and organiser of initiative and events. In particular:	
	<ul style="list-style-type: none"> • I've conceived, created and managed the European PRISM – WP7 subproject • I've contributed to conceive, create and manage the European TRENDS project • I've conceived, created and managed the European VIRTUALIS project • I've contributed to the creation of the European Technology Platform on Industrial Safety • I'm a co-founder of the VIRTUALIS company 	
TECHNICAL SKILLS AND COMPETENCES	I have competencies in safety engineering, safety management, and artificial logic applied to safety-based decision-making with particular focus on complex systems.	
	Windows and Mac user of programs:	
	<ul style="list-style-type: none"> • Project management tools (Project and Merlin) • Basic programming skills in Fortran • Word processors (Word and Pages), • Spreadsheets (Excel and Numbers), • Presentation (Power Point and Keynote) 	
DRIVING LICENCE(S)	Car and Motorbike	