

EUROPEAN  
CURRICULUM VITAE  
FORMAT


## PERSONAL INFORMATION

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Nationality	Italy
Date of birth	10/09/1975

## WORK EXPERIENCE

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| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>From 1/12/2012</p> <p>Politecnico di Torino - Corso Duca degli Abruzzi 24, 101289 Turin</p> <p>Research, teaching and project management for the Department of Science and Techniques for the processes of settlement (DINSE) - Viale Mattioli 39, 10125 Turin</p> <p>Technical manager in the Innovative technological Systems Laboratory (ex Materials and Components Analysis Laboratory "Roberto Mattone") in which carry out analysis and evaluation of innovative and traditional architecture materials and components, simulations and design technology with high environmental sustainability quality with particular reference to technology in developing countries, analysis of indoor air quality and ventilations systems.</p> <ul style="list-style-type: none"> <li>• Performance Analysis of components and building regulations in relation to environmental sustainability;<br/>Experimental tests on materials and innovative components;<br/>Monitoring of environmental characteristics of energy projects of the DAD department<br/>Management of experimental projects with high sustainable construction;</li> <li>• Indoor air Quality assessment and rate emissions of buildings materials in test room (VOC emissions tests);</li> <li>• implementation and testing of innovative masonry and plaster raw clay and construction rammed-earth of;<br/>testing of natural composites;;</li> <li>• Life Cycle Assessment of architectural materials and components related to local industrial productions</li> </ul> |
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Participation in scientific research projects funded:

- National Research Project SMART CITY ITALIA: "S[M<sup>2</sup>]ART – SMART METRO QUADRO, GUARDANDO LA CITTÀ METRO PER METRO" (2013-2015), in which the research activity is aimed at the design, assessment and testing of innovative small urban infrastructure to serve the citizens, realized with national partners of urban design, engineering, and computer software (project underway),
- Regional project on European funds "GRE\_EN\_S - Green Envelope System"(2010-2014), aimed at the design, implementation and monitoring of a modular green wall "living wall system", consisting of opaque envelope in buildings from selected materials from recovery of industrial waste, realized with dry construction techniques based on analytical work of environmental eco-compatibility,
- National Research Project PRIN "RENEW: FONTI RINNOVABILI PER RINNOVARE LA CITTÀ METODI, PROCESSI, PROGETTI, PRODOTTI PER L'APPLICAZIONE DELLE FONTI RINNOVABILI SU UN PATRIMONIO EDILIZIO DI QUARTIERE (2010-2012)", in which they were developed the themes of energy production systems of from renewable

sources on a marginal urban area, with techniques of urban renewal and building retrofit;

Scientific project management of research project:

- Regional project on European funds "BLOCK\_PLASTER – Self-standing envelope system with high environmental and energetic performances" (2012-2014), aimed at the realization of a building construction system made from clay blocks assembled by slot-in systems, consisting of layers which perform different functions, ensuring speed and low economic and environmental costs during the construction and disposal phase; the environmental convenience about use of local clay for realization of blocks and thermal plasters are analyzed by LCA study and indoor pollutant emission test in a chamber test.
- Regional project on European funds "SI<sup>2</sup> – Innovative Insulation Systems" (2010-2013), The main goal of the project partners is the development of innovating insulating systems for existent buildings by the combination of: low environmental impacts of production, high market competitiveness and long expected service life.. developed an innovative plaster with PCM, an adhesive for insulating reed panel, and 4 plaster, a screed, a paint and a fine plaster all with elevated thermal resistance based on primary and local source derived from natural or agricultural scraps. The experimental activities are based on the laboratory tests (mechanical resistance, thermal performances and release of indoor pollutants), including LCA analysis.

<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer               <ul style="list-style-type: none"> <li>• Type of business or sector</li> <li>• Occupation or position held</li> </ul> </li> <li>• Main activities and responsibilities</li> </ul>	<p>28/05/2014-19/06/2014</p> <p>Foundations of Architects Association of Turin Province, Via G.Giolitti 1, 10123, Turin</p> <p>Architects Association of Turin Province</p> <p>Tutoring of the Workshop " PRO-LITE. DESIGN WORKSHOP", workshop related to the European project Pro-Lite for retrofitting schools through innovative lighting systems and new indoor comfort measures.</p> <p>Management group of seasoned professionals (engineers, architects, building contractors, entrepreneurs in the field of building technology) in order to individuate a low-cost solutions to retrofitting the schools of Turin with appropriated comfort technology, primarily on illuminations systems.</p>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer               <ul style="list-style-type: none"> <li>• Type of business or sector</li> <li>• Occupation or position held</li> </ul> </li> <li>• Main activities and responsibilities</li> </ul>	<p>1/12/2009-1/12/2012</p> <p>Politecnico di Torino - Corso Duca degli Abruzzi 24, 101289 Turin</p> <p>Research, teaching and project management for the Department of Science and Techniques for the processes of settlement (DINSE) - Viale Mattioli 39, 10125 Turin</p> <p>Laboratory Techniques for the analysis and evaluation of experimental projects related materials technology and environmental sustainability in architecture, with particular reference to technology in developing countries</p> <ul style="list-style-type: none"> <li>• Performance Analysis of components and building regulations in relation to environmental sustainability;</li> <li>• Experimental tests on materials and innovative components;</li> <li>• Monitoring of environmental characteristics of energy projects of the department DINSE;</li> <li>• Management of experimental projects with high sustainable construction.</li> </ul>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer               <ul style="list-style-type: none"> <li>• Type of business or sector</li> <li>• Occupation or position held</li> </ul> </li> <li>• Main activities and responsibilities</li> </ul>	<p>30/11/2012 - 7/12/2012</p> <p>Foundations of Architects Association of Turin Province, Via G.Giolitti 1, 10123, Turin</p> <p>Architects Association of Turin Province</p> <p>Co-tutoring of the Workshop "SMART BUILDING IN TURIN SMART CITY", 2012 edition.</p> <p>Management group of public and private actors (engineers, architects, building contractors, entrepreneurs in the field of building technology) in order to discuss the feasibility and practical implementation of 15 actions to be taken immediately to achieve the 2020 targets set out by the European Union 40-40-40.</p>

- Dates (from – to) 27/10/2011 -1/10/1011
  - Name and address of employer Foundations of Architects Association of Turin Province, Via G.Giolitti 1, 10123, Turin
  - Type of business or sector Architects Association of Turin Province
  - Occupation or position held Co-tutoring of the International Workshop "SMART BUILDING IN TURIN SMART CITY", 2011 edition.
- Main activities and responsibilities Management group of seasoned professionals involved in the Workshop (engineers, architects, building contractors, entrepreneurs in the field of building technology) for the realization of a new vision of urban districts of Turin City, with a high quality of design in term of social fabric, environmental and energetic impacts, and architectural project.
  
- Dates (from – to) 1/12/2007 -31/11/2009
  - Name and address of employer Politecnico di Turin - Corso Duca degli Abruzzi 24, 101289 Turin
  - Type of business or sector Research, teaching and project management for the Department of Science and Techniques for the processes of settlement (DINSE) - Viale Mattioli 39, 10125 Turin
  - Occupation or position held Research fellowship on the following project: "Strategies and methods of management, evaluation and monitoring of projects with high efficiency and environmental sustainability, within the European program Concerto". - Field of Research: Design and Environmental Technology. Technology architecture.
- Main activities and responsibilities For the European project called "The Piano Concerto" in Alessandria, carries out Energy Management, Technology Assessment, Monitoring Assessment and Management of the design process, with specific activities in consultancy, evaluation and control of energy systems and environmental (plant solar collectors, photovoltaics, trigeneration biomass plant, energy efficiency of buildings, eco-compatible materials).
  
- Dates (from – to) 1/12/2007 -31/11/2009
  - Name and address of employer Softech: Total Environmental Action, Via Cernaia 1, 10121 Turin
  - Type of business or sector Energy-environment planning and processes complex design on a national and international field
  - Occupation or position held Consultancy for the preparation of the draft of a photovoltaic system for the firm, "Société d'Engineering" located in Corso Orbassano 401, Turin
- Main activities and responsibilities Assessment of plant productivity to features of the site, choosing the best technology solutions, preparation of documents for the activation plant and cost-benefit analysis.
  
- Dates (from – to) from 1/08/2006 to 31/12/2007 and from 1/082007 to 31/12/2008
  - Name and address of employer Politecnico di Torino - Corso Duca degli Abruzzi 24, 101289 Turin
  - Type of business or sector Research, teaching and project management for the Department of Science and Techniques for the processes of settlement (DINSE) - Viale Mattioli 39, 10125 Turin
  - Occupation or position held Lecturer on contract – Teaching Assistant in the " Architectural Technological Innovation Laboratory ", (owner of the course: Full Professor Roberto Pagani Department DINSE)
- Main activities and responsibilities Support the learning process management of the students, through lectures and project drawings assessments in order to learning the principles of eco-materials and energy and environmental sustainability.
  
- Dates (from – to) 1/06/2007-1/08/2007
  - Name and address of employer Softech: Total Environmental Action, Via Cernaia 1, 10121 Turin
  - Type of business or sector Energy-environment planning and processes complex design on a national and international field
  - Occupation or position held Collaboration for Assessment of experimental projects "Contratto di Quartiere II" of Casale and of Alexandria.
- Main activities and responsibilities Evaluation according to the "ITACA Protocol" about the environment, eco-materials and indoor comfort of projects at district and building level

**EDUCATION AND TRAINING**

- Dates (from – to) 18/01/2012 – 25/01/2012
- Name and type of organisation providing education and training Professional University of Italian Switzerland (SUPSI), at the Institute for applied sustainability of the built environment, Lugano, Switzerland
- Principal subjects/occupational skills covered Refresher Course of analyzing, monitoring and intervention strategies in the case of indoor pollution due to VOCs, radon and carbon dioxide.
- Title of qualification awarded Certificate of attendance
- Level in national classification (if appropriate) none
  
- Dates (from – to) 18/07/2006
- Title of qualification awarded Licensed Architectural profession in Italy
  
- Dates (from – to) 03/2006 – 06/2006
- Name and type of organisation providing education and training Post- Lauream Specialization Course in Energetic Systems "Giovanni Agnelli," at the Department of Energy of Politecnico di Torino.
- Principal subjects/occupational skills covered Course of study in the field of Energetics (conventional and renewable sources), with particular emphasis on the rational use of energy, environmental impact and safety of facilities
- Title of qualification awarded Certificate of attendance
- Level in national classification (if appropriate) Post- Lauream Specialization Course
  
- Dates (from – to) 09/1995 - 21/12/2005
- Name and type of organisation providing education and training Politecnico di Torino, Faculty of Architecture
- Principal subjects/occupational skills covered Architectural landscape and structural design, urban planning
- Title of qualification awarded Master Science Degree in Architecture
- Level in national classification (if appropriate) Master's Degree
  
- Dates (from – to) 09/1989 – 14/06/1994
- Name and type of organisation providing education and training Liceo Scientifico Statale Leonardo Da Vinci, Torino
- Principal subjects/occupational skills covered Italian literature, mathematics, science, foreign language (French).
- Title of qualification awarded Scientific high school degree
- Level in national classification (if appropriate) High school diploma

**PERSONAL SKILLS  
AND COMPETENCES**

*Acquired in the course of life and career  
but not necessarily covered by formal  
certificates and diplomas.*

MOTHER TONGUE

**ITALIAN**

OTHER LANGUAGES

**English**

- Reading skills
- Writing skills
- Verbal skills

INTERMEDIATE LEVEL

INTERMEDIATE LEVEL

INTERMEDIATE LEVEL

**French**

- Reading skills
- Writing skills
- Verbal skills

INTERMEDIATE LEVEL

INTERMEDIATE LEVEL

INTERMEDIATE LEVEL

Turin, 30/07/2014

Corrado Carbonaro

