

Fabrizio Ozzello

Visiting Student Researcher in Civil Engineering
University of California – Berkeley
Pacific Earthquake Engineering Research Center (PEER)

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Work experience

Apprenticeship

February 2015 – May 2015

Fabrizio Ozzello worked in Politecnico di Torino with **Ing. Giuseppe Manzone** and **Prof. Gian Paolo Cimellaro** for a smart parking project. His studies included:

- Sensors typologies analysis;
- Environmental resilience analysis;
- Hardware components researches.

Apprenticeship

September 8, 2010 – October 1, 2010

Fabrizio Ozzello worked for **Progeca S.R.L.** (Caluso – Torino) as a trainee in construction management.

Workplace: Nuovo Polo Industriale Settimo Torinese – Pirelli Industrie Pneumatici S.P.A.

- Daily report writing;
- Enterprises documentation management.

Apprenticeship

June 15, 2009 – July 3, 2009

Fabrizio Ozzello worked for **Progeca S.R.L.** (Caluso, Turin) as a trainee in construction management.

Workplace: Nuovo Polo Industriale Settimo Torinese – Pirelli Industrie Pneumatici S.P.A.

- Enterprise competitions research;
- Enterprises documentation management.

Education and training

Master of Science Thesis at the University of California, Berkeley

Fabrizio Ozzello is a visiting student researcher at the Pacific Earthquake Engineering Research Center (PEER), **University of California – Berkeley** (U.S.A.).

He is doing research for the Master of Science thesis. His work focuses on the resilience of structures and infrastructures considering the human behavior.

Thesis supervisors: Prof. G.P. Cimellaro (Politecnico di Torino), Prof. Stephen A. Mahin (UC Berkeley).

At the University of California, Berkeley he is attending the following **courses** (not for credit):

- Advanced Project Planning and Control;
- Geotechnical Earthquake Engineering;
- Operations in Transportation Facilities.

Master of Science in Civil Engineering

2013-2016

Infrastructures and Transportation Systems, **Politecnico di Torino**

Weighted mean: 27/30

Passed Exams:

- Construction Sciences II;
- Hydrology;
- Roads, railways and airports construction;
- Design of Transportation Infrastructures*;
- Foundations;
- Economy and techniques of transportation;
- Concrete and prestressed concrete structures design;
- Seismic Engineering;
- Geomatics;
- Construction materials technology;
- Pavements and Tracks Engineering*;
- Transportation Planning*.

* These three courses have been provided in English language.

Bachelor in Civil Engineering – 99/110

2010-2013

Politecnico di Torino

Thesis on steel fibers reinforced concrete.

Scientific High School Diploma – 100/100

2005-2010

Liceo Scientifico "Aldo Moro", Rivarolo Canavese (TO).

PNI – Piano Nazionale di Informatica Course.

Personal skills, courses and publications

Languages:

- Italian (mother tongue);
- English: Common European Framework of Reference for Languages – level B2. Fabrizio Ozzello achieved the Cambridge FIRST Certificate in English (mark C) and Cambridge PET (with merit). His good English knowledge is also certified by the University of California – Berkeley.
- French: basic knowledge.

Computer skills:

- Microsoft Windows (XP, 7, 8);
- Apple Macintosh OS X;
- AutoCAD (Autodesk);
- Powercivil (Bentley Systems);
- Microsoft Office tools;
- SAP2000 (Computers and Structures);
- Lusas Modeller;
- Everseries Tools (Washington State Department of Transportation);
- FAARFIELD (Federal Aviation Administration);
- Matlab (Mathworks).

Communication skills:

Communication skills achieved during the apprenticeships (he worked in an Italian-Chinese team, the members spoke English language).

Workshops and courses:

- “Linear Livability: the International Workshop”, Torino Lingotto – Politecnico di Torino School of Masters (May 25 – June 5, 2015)
- “HPC Methods for Engineering”, Segrate (MI) – Cineca (June 17-19, 2015)

Publications:

- **F. Ozzello**, A. Vallero, G. P. Cimellaro, S. Mahin, “Improving Environmental Resilience through Smart Parking Sensors: PARKADVISOR” published for the 7th SHMII Conference (by ISHMII International Society for Structural Health Monitoring of Intelligent Infrastructures”), Torino Politecnico, 2015.

Seminar participations:

- **Lecturer** at the 7th SHMII Conference (by ISHMII International Society for Structural Health Monitoring of Intelligent Infrastructures”), Special Session “The resilience of urban built environment”, Politecnico di Torino July 1-3, 2015.
- “The Reliability Issue in Actual and Future Supercomputers” by Prof. Paolo Rech (Universidade Federal do Rio Grande do Sul – Porto Alegre, Brazil) – 01/21/2015 at Politecnico di Torino;
- “A Structural Engineering Approach to Earthquake Resilience” by Prof. Stephen Mahin (University of California – Berkeley, U.S.A.) – 10/31/2014 at Politecnico di Torino.

Projects:

- Design of a C1-category road in Chieri (Torino) – for the exam “Design of Transportation Infrastructures”, Politecnico di Torino
- Seismic design of a non-uniform concrete structure and seismic adjustment with Buckling Restrained Axial Dampers (BRAD technology) – for the Seismic Engineering exam, Politecnico di Torino.

- Bidirectional Shaking Table Project, Politecnico di Torino.
- Proposal of redesign of the old railway trench in Barriera di Milano (Torino), via Sempione and via Gottardo in terms of multimodality, construction materials recycling, thermal comfort, asphalt performances and water permeability.
- Smart parking project, Politecnico di Torino and University of California – Berkeley.

Driving licenses: B driving license.

Interests and hobbies:

- Music: Fabrizio Ozzello plays the trumpet in a big band and other groups.
- Mountaineering and mountain trekking.
- Racing bike.

Availability for work:

- Fabrizio Ozzello is available for works and projects in Italy and abroad.
- He is also available for work travels.