europass

Curriculum vitae

PERSONAL INFORMATION

Matteo Facchini

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WORK EXPERIENCE

2005–2007

Employee

Istituto Comprensivo Trento 3, Trento (Italy)

Data implementation: results of the assessment questionnaire concerning the quality of teaching of the istitute.

10/2010–10/2011

Culture Office Support

Opera Universitaria di Trento, Trento (Italy)

Students support at the University of Trento. Work as sound and lights technician at some cultural events.

01/2013–05/2013

Teacher

LEONARDO Formazione e Sviluppo, Catania (Italy)

Teaching to students who simulated a session of the United Nations in New York (trip and experience in New York included).

16/11/2013–Present

PhD Candidate

ETH Zürich
Hönggerbergring, 26, 8093 Zürich (Switzerland)
www.vaw.ethz.ch

Business or sector Civil and Environmental Engineering

16/11/2013–Present

Software developer

Laboratory of Hydraulics, Hydrology and Glaciology (VAW), Zurich (Switzerland)

I am currently in the BASEMENT (www.basement.ethz.ch) developing team.

EDUCATION AND TRAINING

2002–2007

High School Diploma

Liceo Scientifico G. Galilei, Trento (Italy)

General competences about scientific topics in the National Information Technology Plan.

2007–2010

Undergraduate Degree in Environmental Engineering

Università degli Studi di Trento, Trento (Italy)

Competences in water chemistry and propagation of turbulent jets in still water

2010–2013

Master Degree in Environmental and Land Engineering

Università degli Studi di Trento, Trento (Italy)

Competences in applied numerics and hydrodynamics.

During this period I spent two Erasmus semesters in Germany, at the Dresden University of Technology.

PERSONAL SKILLS

Mother tongue(s)   Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English				
C1	C1	C1	C1	C1
Certificate in Advanced English (CAE)				
German				
C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills   Participating actively to my hometown life through cultural associations, I learned the importance of interaction with other people and of peaceful communication inside a group. These associations are the Town Marching Band ("Corpo Musicale Città di Trento") of which I have been counselor, the Orchestra "I Filarmonici" of which I have been counselor, and the music school "I Minipolifonici" of which I have been an active member. Moreover I learned how to work in a team as I have been Students' Delegate at High School and at University.

Organisational / managerial skills   Participating as counselor in the board of two cultural associations, being an active student in a music school, having been twice the students' spokesman at high school and once at university, having worked in the cultural events field at the Students' Support Service in my hometown, I learned how to deal with times and deadlines, even with different tasks at the same time.

Job-related skills   I currently use every sort of technological device at home, including audiovisual equipment and professional equipments thanks to the work conducted with the Opera Universitaria in Trento and to the intense concert activity carried out in the whole Trentino Region and in Italy.

Digital competence   I can use very well both OS X and Windows based devices, I can use Ubuntu. I can use some computer programming languages, used for mathematical and engineering purposes (Python, Fortran, and Matlab mainly). I can use other engineering softwares like Comsol Multiphysics, Maple, HecRas, ANSYS CFX. I can perfectly use platforms such as wiki, chat, blog, search engines, ...

ADDITIONAL INFORMATION

Conferences   European Geosciences Union General Assembly 2014, Wien, Austria

First International Workshop on Sediment Bypass Tunnels, Zürich

Publications
- Dumbser, M., Facchini, M., (2015). A space-time discontinuous Galerkin method for Boussinesq-type equations. Applied Mathematics and Computation, available online.
- Facchini, M., Siviglia, A., Boes, R. M., (2015). Downstream morphological impact of a sediment bypass tunnel – preliminary results and forthcoming actions. Proc. First International Workshop on Sediment Bypass Tunnels, VAW Mitteilungen 232, ETH Zürich, Schweiz, 137-146.

Seminars   Winter School on Numerical Methods, University of Trento, Trento (Italy)

Winter School on River Bars, University of Trento, Trento (Italy)
Introduction to writing at doctoral level: Natural sciences and engineering C1