

DAVIDE LONGHI

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Date of birth: 5 October 1989

Nationality: Italian



PERSONAL INFORMATION

I am working as a project manager of transport operators' Database in Extra.To, a consortium which includes seventeen public transport operators in the province of Torino (Italy). My main activity in Extra.To is analysing the validations' data recorded onboard of all the buses which are equipped with Automated Fare Collection Systems.

At the same time, I am also a PhD candidate at Politecnico di Torino. During the first two years of my research I focused on the development of an algorithms to estimate the Origin-Destination matrices and desire lines through the validations' data.

Recently my research shifted to the development of a Mobility as a Service in the rural area of Torino where different modes of transport insist but where there is also a tangible gap between the demand and supply of transport. For this reason I am focusing on alternatives modes of transport which can be support the traditional ones.

PERSONAL SKILLS:

- Strong capacity to analyse the peculiarities of transport systems.
- Analyse transport demand and supply using QGis.
- I have flair for transport planning and design, excellent communication skills and understand well the concept of team work. I have the ability to find innovative solutions that can help improve the quality of life for people.

CAREER & EDUCATION HISTORY

November 2015 – Present

PhD candidate - Politecnico di Torino - www.polito.it Torino TO (IT)

- Literature review and implementation of algorithms for Origin-Destination estimation
- Analysis for the implementation of a new concept of Mobility as a Service in the extra-urban area of Turin
- Professor's assistant and correlator of Master degree thesis

June 2015 – Present

Manager of transport operators' Control Centre – Extra.To – www.extrato.it – Torino TO (IT)

Responsibilities included:

- Project Manager of BIP project – (Integrated Regional Ticketing System)
- Automated Fare Collection Systems configurations
- Transport Operators' Logistic assistance

April 2014 – July 2014

Research Assistant - Transport Research Laboratory TRL - www.trl.co.uk - Bracknell, Home Counties (UK)

Responsibilities included:

- Research into commuting and travel logistics for incorporating into an app for shared transport and mobility to provide information for users for sustainable shared transport
- Design of graphical user interface for the above mobile application
- Working as part of a development team and liaising with all members of the team

October 2013 – February 2014

Teaching Assistant – Politecnico di Torino – www.polito.it – Torino TO (IT)

Responsibilities included:

- Assisting geography lecturer with the study of different aspects of the towns in and around Turin to analyse the relationship between different stakeholders and how Turin functions as a metropolis for the purpose of integrating tourist and shifting the focus of tourism from the city centre to the outer city surrounds.
- Writing reports on the findings of the above analysis

April 2012 – July 2012

Urban Designer – Town of Volpiano - www.comunevolpiano.to.it – Volpiano TO (IT)

Responsibilities included:

- To develop and design a concept idea of how to redevelop the square of Volpiano in Italy to provide the local council with suggestions as to how to improve the Square making it more attractive and interesting for a centre as opposed to the car park that existed.

May 2011 – September 2011

Accounting Trainee – Studio Longhi – Cerea VR (IT)

Responsibilities included:

- Training in basic accounting
- Assisting in the day to day administrative tasks within my father's accountancy practice

EDUCATION:**September 2012 – December 2014****Master of territorial, urban, environmental and landscape planning** – Politecnico di Torino TO (ITALY)

Relevant Courses: Transport Planning, Urban planning Studio, Urban and territorial geography, Landscape and territorial planning Studio, History and criticism of cultural heritage, Inclusive Planning and Environmental Sociology.

September 2009 – July 2012**Bachelor program Territorial, urban, environmental and landscape planning** – Politecnico di Torino TO (ITALY)

Relevant Courses: Describing, Analysing, Interpreting (Studio), Integrated programmes for local development and urban regeneration (Studio), Territorial Planning (Studio), Urban Design (Studio), History of architecture and cities, Planning Thought and Practice, Spatial analysis using GIS, Urban sociology, Plan and Project Appraisal.

PUBLICATIONS:

Pronello C. and Longhi D. (2017), Analysis of mobility patterns and transport supply through the validation data of smart cards, HKSTS conference proceedings.

Longhi D., (2014), Attitudine degli utenti verso l'utilizzo degli ATIS. Torino: Politecnico di Torino.

Longhi et al., (2014) Pilot trial of a transport crowdsourcing smartphone app. Crowthorne: TRL Transport Research Laboratory.

SKILLS:

Computer skills: SPSS, AutoCAD, QGIS, Google SketchUP, Microsoft Office, SQL, Adobe PhotoShop, Adobe InDesign

PERSONAL INTERESTS:

Transport studies, sustainable energy, photography, traveling, general knowledge, meditation.

REFERENCES:Cristina Pronello – Professor at Politecnico di Torino – cristina.pronello@polito.itAlessandra Preve – Director of IT department in Extra.To – preve.a@extrato.itAlan Stevens - Research Director, Transportation at TRL – astevens@trl.co.uk