

RAGNOLI ANTONELLA

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Nationality: Italian
Date of Birth: 18/01/1982
Place of Birth: Giulianova (TE)



KEY WORDS

Civil Engineering, Road Safety ,New Technologies and Geographic Information, Smart Mobility
Mobile Mapping System, Intelligent Transportation System, Infomobility, Geomatics, ITS

EDUCATION AND TRAINING

University IUAV of Venice, Italy

PhD in NT&ITA New Technologies & Information Landscape and Environment

The title of my research is "Smart Safe Road, how new technology and ITS could improve the road safety".
The main aim is to define the role of ICT, in particular of Mobile Mapping System, applied on the study of roads, in order to achieve a complete knowledge of road's conditions and try to identify the critical situations and the causality relations which could lead to accidents.

Main Subjects: Road Safety, Road Analysis, Road Safety Review, Smart Mobility
Mobile Mapping System and Roads Survey, Laser scanner, GIS software, ITS

**From January 2011 to
April 2014**

University Sapienza of Rome

Laurea Specialistica in Ingegneria Civile - Master's Degree in Civil Engineering

Main Subjects : Road design and management, Road modeling technique, Pavement management systems,

Others Subjects: Railways design, Airport design ,Structural Analysis and Design, Topography

Thesis: "Procedure to determine the geometry of road alignment using GPS data"

Evaluation: 110/110

**From October 2005 to
April 2009**

University Sapienza of Rome

Laurea Triennale in Ingegneria Civile- Bachelor's Degree in Civil Engineering

Main Subjects : Design of transport Infrastructures, Mathematical analysis

Thesis: "Procedure to verify visibility distance of road alignment"

Evaluation: 110/110

**From October 2001 to
October 2005**

WORK EXPERIENCE

University IUAV of Venice, Italy

Research Fellow

Safe Road Tool : the work is about ITS and new application in order to increase the safety standards in road mobility. Analysis of road infrastructures, and in particularly of pavement condition because related to a reduction in number of accidents because can produce a better and safer behavior in road users. The product is a new system (hardware e software low cost)applied to investigation of roads and defect analysis for a better and optimized road management.

Main Subjects: Road safety, Pavement Management System,
Photogrammetry, Image Analysis.

**From March 2014 to
March 2015**

LTS srl

Consultant Engineer

Object: Evaluation of defects on bridges in sicilian Highway for ANAS.

Defect detection and classification

Laser cloud points Analysis

**From July 2014 to
Today**

Unisky srl

Consultant Engineer

Object:Road Safety Analysis for a web GIS for Roads;

Planning and supervising and post processing of datas from Mobile mapping system

<http://viamont.unisky.it/>

**From May 2013 to July
2013**

University IUAV of Venice, Italy

Consultant Engineer

Object: "Sicuri sulle Strade" is a project about road safety .

Analysis of road alignment and geometric characterization and evaluation of safety criteria.

**From July 2012 to
October 2012**

Supervising of mobile mapping and laser surveys

Main Subjects: Road Safety, Road Analysis

Mobile Mapping system and Roads Survey, Laser scanner, GIS software

Application development for road analysis

<http://sicurezzastradale.provincia.rovigo.it/geoweb/>

University IUAV of Venice, Italy

Research Fellow

Infomobility : the research is about ITS and new trends in Mobile Mapping System and sensors in the field of sustainable transport , in order to design infomobility services for traffic reduction.

Main Subjects: ITS, Road Management, Road Cadastre

Mobile Mapping system, GIS software

Evaluation : Excellent

**From October 2009 to
September 2010**

LANGUAGES

Mother tongue: Italian

Other: English

-Listening: B2

-Reading: B2

-Spoken: B2

-Written: B1

Self-assessment is based on the six level scale of the common European framework of reference for languages developed by the Council of Europe.

MAIN SOFTWARES:

TECHNOLOGY	LEVEL	MEMO
<i>OPERATING SYSTEMS</i>		
Microsoft Windows (Xp ,Vista, Seven)	Advanced	
<i>MICROSOFT OFFICE</i>		
Word, Excel, PowerPoint	Advanced	vba programming
Access	Basic	
<i>CAD</i>		
Autodesk Autocad	Professional	vba programming
<i>GIS</i>		
ESRI Arcmap	Professional	
Qgis	Professional	open source
gvSIG	Average	open source
<i>PROGRAMMING</i>		
Visual Basic	Average	Vba Visual Basic 6.0
Matlab	Average	Image analysis
<i>IMAGE PROCESSING</i>		
Photoshop GIMP	Basic	
Photomodeler	Average	

OTHER		
GPS, Laser Scanner , Cameras	Professional	

PERSONAL SKILLS

Good capability in team working, Good capability in work planning, Attitude to Leadership

Interest in technologies and innovation

ASSOCIATION OF ENGINEERS:

Ordine degli Ingegneri di Teramo, n° 1342 sez A Civile e Ambientale

"In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document."

Venezia 4-12-2014

