FRANCESCA MURABITO

Via F. Mancini n°17
Acireale (CT), Italy I-95024

+39 3898349346

fmurabit@dieei.unict.it

EXPERIENCE

Ph.D student in Computer Engineering
Department of Electric, Electronics and Computer Engineering
University of Catania (ITALY)
Catania, Italy — November 2016 - present

Project: Inferring and Integrating Knowledge for Real-World Object Recognition.
Supervisor: Prof. Concetto Spampinato

Research Scholar
University of Central Florida, CRCV, Florida (USA)
Orlando, Florida (USA) — May 2015 - October 2015

Project: Convolutional Neural Networks combined to Ontology for Context based Object Recognition.
Supervisor: Prof. Mubarak Shah

External Contractor
Department of Electric, Electronics and Computer Engineering
University of Catania (ITALY)
Catania, Italy — April 2015 - July 2015

Project: Visual Reasoning for Context Based Object Recognition.

Foundation of Computer Science Tutoring
Department of Industrial Engineering - University of Catania (ITALY)
Catania, Italy — July - December 2014

Duties
- Homework help
- Final examination support

External Contractor
Department of Electric, Electronics and Computer Engineering
University of Catania (ITALY)
Catania, Italy — July - August 2013

Project: Development of a large scale video analysis classification method for the European project Fish4Knowledge.

Internship
Department of Electric, Electronics and Computer Engineering
University of Catania (ITALY)
Catania, Italy — November 2012 - January 2013

Project: Large Scale Performance Evaluation of Object Detection Algorithms using ROC curves.

EDUCATION

Electric, Electronic and Computer Engineering Department, University of Catania (ITALY)
Master's Degree in Computer Engineering— Oct. 2013 – Oct. 2015
GPA 4.0
Final mark: 110/110 e lode (magna cum laude)

Electric, Electronic and Computer Engineering Department, University of Catania (ITALY)
Bachelor's Degree in Computer Engineering— Oct. 2008 - Jan. 2013
GPA 4.0
Final mark: 110/110 e lode (magna cum laude)

COMPUTER SKILLS

- C/C++, C#, Java, Python, Lua, bash, Assembly, VHDL
- Torch
- XML, HTML, Javascript/JQuery/AJAX
- Netbeans, Eclipse, Visual Studio, Android Studio, OMNet++, LabVIEW
- UML, Design Pattern, OO-programming
- MySQL/SQLite databases
- MatLab

PROFESSIONAL SKILLS

- Computer Vision and Pattern Recognition algorithms and methodologies
- Object Detection and Object Recognition techniques
- Saliency detection models
- Machine Learning and Deep Learning

PUBLICATIONS

F. Murabito, C. Spampinato, S. Palazzo, K. Pogorelov and M. Riegler. *Learning Saliency Maps Driven by Visual Classification*. Submitted to ICCV 2017.

F. Murabito, C. Spampinato, S. Palazzo and M. Shah. *Exploiting Structured High-Level Knowledge for Domain-Specific Visual Classification*. Submitted to PAMI 2017.

D.Giordano, F. Murabito, S. Palazzo and C. Spampinato. *Superpixel-based Video Object Segmentation using Perceptual and Location Prior*. CVPR 2015.

C. Spampinato, S.Palazzo, F. Murabito and D.Giordano. 2015. *Using the Eyes to "See" the Objects*. ACMMM 2015.

S.Palazzo and F. Murabito. *Fish Species Identification in Real-Life Underwater Images*. MAED 2014.