Call for PhD Applications
Academic Year 2015-2016

The Image Processing Laboratory is looking for strong PhD candidates for the following topics:

**Learning Architectures for Visual Sentiment Analysis — funded by JOL WAVE Telecom Italia**
The candidate will work on the design and development of real Computer Vision systems to infer knowledge from large scale visual data and other multimedia information (text, tags and other contextual/geolocalization information) acquired from multiple sources (e.g., social media, mobile and wearable cameras). Main goal of the project is to build novel learning architectures for representation of the data and to perform Visual Sentiment Analysis.

**Advanced CV algorithms for traffic flow analysis — funded by Park Smart**
The candidate will work on the design and development of advanced Computer Vision algorithms for traffic flow analysis in real scenarios.

**Computer Vision Assisted Digital Out Of Home — funded by Centro Studi (2 positions)**
The candidates will work on computer vision problems related to the Digital Out Of Home (DOOH). In this context the main goal of this project is the design and development of algorithms able to perform human behavioral analysis in a sales point.

**Access Modalities (Dottorato in Matematica ed Informatica)**
The candidate must pass a selection procedure aimed at assessing the candidate’s skills and attitude to advanced research. The selection procedure is defined by the University of Catania and is based on the evaluation of the Curriculum Vitae, and on written and oral examinations. Candidates are required to have a master degree or equivalent. The official PhD call will be published on the website of the University of Catania ([www.unict.it](http://www.unict.it)) very soon. Interested students are invited to contact Prof. Sebastiano Battiato with a good advance with respect to the deadline.

**Contacts**
Prof. Sebastiano Battiato— [battiato@dmi.unict.it](mailto:battiato@dmi.unict.it) — [http://www.dmi.unict.it/~battiato/](http://www.dmi.unict.it/~battiato/)
IPLAB, Image Processing Laboratory— [http://iplab.dmi.unict.it/](http://iplab.dmi.unict.it/)
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Profiles of the Funders

Wireless Applications in multi-deVice Ecosystems (WAVE) — Joint Open Lab, Telecom Italia

The Wireless Applications in multi-deVice Ecosystems (WAVE) Joint Open Lab is located inside the “Cittadella Universitaria” campus. The laboratory is focused on the design and development of innovative mobile applications based on flexible software development platforms, in order to exploit the potential of different connected devices and to analyse new use case scenarios.

For more information: http://jol.telecomitalia.com/jolwave/.

Park Smart

Park Smart is a smart parking solution company which strongly believes in making life easier by developing smart technology services aimed at defining new urban mobility models for smart cities. Our vision is to contribute with our technology software to build a more efficient city-life in order to create positive effects in terms of the quality of life on the whole community.

For more information: http://www.parksmart.it/.

Centro Studi

Centro Studi Srl is located in Buccino (Salerno) and operates since 2009 in the field of Applied Research. Centro Studi is mainly focused on the development of the Know-How and enhancement of the capabilities of human resources, the development of a Uman-Machine interaction system (MyAv project) which relies on Computer Vision and other advanced technologies to build integrated interfaces between artificial and human intelligence, and the promotion and incubation of innovative Start-Ups.

For more information: http://www.orizzontiholding.it/centro-studi/

About IPLab

The Image Processing Laboratory (IPLab) is part of the department of Mathematics and Computer Science of the University of Catania. Among the research topics treated by IPLAB are scene understanding, video analysis, embedded and wearable Computer Vision, and Assistive Computer Vision and Image/Video Forensics.

For more information: http://iplab.dmi.unict.it/