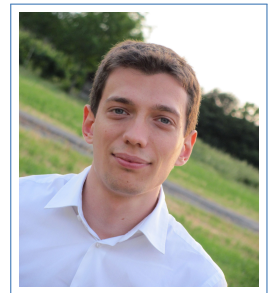


Lorenzo Baraldi

Curriculum Vitae

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🌐 www.lorenzobaraldi.com



Education

- 2014–on going **PhD Student**, *University of Modena and Reggio Emilia, Italy*.
Research topics: Multimedia technologies for video analysis, tagging, retrieval and accessing
Supervisor: Prof. Rita Cucchiara
- 2012–2014 **Master Degree in Computer Engineering**, *University of Modena and Reggio Emilia, Italy*.
Mark: 110/110 cum laude
Thesis title: “Hand Segmentation and Gesture Recognition in Ego-centric Videos”
Supervisors: Prof. Rita Cucchiara, Dr. Giuseppe Serra
Abstract: The thesis explores and proposes state-of-the-art computer vision and pattern recognition techniques for hand segmentation and gesture recognition in egocentric vision. The proposed algorithms are tested on prototype wearable sensors.
- 2008–2011 **Bachelor Degree in Computer Engineering**, *University of Modena and Reggio Emilia, Italy*.
Mark: 110/110 cum laude
Thesis title: “Dimensionality reduction techniques for Web datasets: PCA vs SVD”
Supervisor: Dr. Riccardo Lancellotti
- 2003–2008 **Scientific High School Diploma**, *Scientific High School “A. Tassoni”, Modena, Italy*.
Mark: 100/100 cum laude

Languages

- Italian **Mother tongue**
- English **Council of Europe Level B2 – Cambridge ESOL Certificate**
- French **Basic**

Computer skills

- Programming languages C, C++, Matlab, Python, Java, Javascript, CUDA, HTML
- Databases SQL, Microsoft SQL Server
- Libraries OpenCV, Caffe, Theano, Keras

Research Interests

- Computer Vision
- Image Processing
- Pattern Recognition and Machine Learning
- Deep Learning
- Multimedia

Others

Seminars, courses and events attended

- 2015 “Insights from Big Data: Interaction, Design and Innovation” – Dr. Alejandro Jaimes
“A Vision for the Future of Computer Science & Engineering and Higher Education” – Dr. James C. Spohrer (Leader of IBM’s Cognitive Systems Institute Group)
“Innovation, Inspiration and Vision” – Prof. Arnold Smeulders - Professor at the University of Amsterdam, Director of COMMIT, Founder of EuVision
“GPU Programming” – Dott. Francesco Paci
“Computer Graphics and 3D Reconstruction” – Prof. Nadia Magnenat Thalmann (Director of the Institute for Media Innovation in Singapore) and Prof. Daniel Thalmann
“Diffusion of Information in Social Media” – Prof. William Rand, University of Maryland
“Academic English Workshop I” – Dott. Silvia Cavalieri
“Academic English Workshop II” – Dott. Silvia Cavalieri
Italian Research Conference on Digital Libraries - IRCDL, Bolzano
7th Iberian Conference on Pattern Recognition and Image Analysis - IbPRIA, Santiago de Compostela
International Conference on Multimedia and Expo - ICME, Torino
International Computer Vision Summer School - ICVSS, Sicily
- 2014 “Second Short Spring School on Surveillance” – S5
“Egocentric Recognition of Objects and Activities” – Prof. James M. Rehg
“Active Contours in Image Processing and Computer Vision” – Prof. Anthony Yezzi
“Introduction to Machine Learning and Online Learning” – Prof. Roberto Paredes
- 2012 “Analyzing human activities in video” – Prof. Larry Davis

Teaching activities

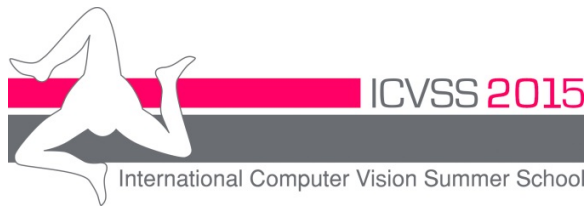
- 2015 Laboratory lecturer for the Computer Vision course, Prof. Cucchiara, at University of Modena and Reggio Emilia
Laboratory lecturer for the graduate Master in Visual Computing and Multimedia Technologies, at University of Modena and Reggio Emilia
Tutor for the Fundamentals of Computer Science I course, at University of Modena and Reggio Emilia

Journals Reviewing

IEEE Transactions on Multimedia

Multimedia Tools and Applications (Springer)

IEEE Transactions on Human-Machine Systems



To whom it may concern

This is to certify that Lorenzo Baraldi has successfully completed examination session (1 hour) at the International Computer Vision Summer School, held in Sicily, Italy from the 12th of July to the 18th of July 2015. The examination paper was related the courses (30 hours) delivered by the following world-renowned experts in the field, from both academia and industry:

- Yoshua Bengio, Université de Montréal, Canada
- Thomas Brox, University of Freiburg, Germany
- Daniel Buchmuller, Amazon, Cambridge, UK
- Fei-Fei Li, Stanford University, USA
- Marc Pollefeys, ETH Zurich, Switzerland
- Silvio Savarese, Stanford University, USA
- Cees Snoek, University of Amsterdam, The Netherlands
- Stefano Soatto, UCLA, USA
- Doris Tsao, California Institute of Technology, USA
- Andrea Vedaldi, University of Oxford, United Kingdom
- Rene Vidal, The Johns Hopkins University, USA
- Takeo Kanade, Carnegie Mellon University, USA
- Stéphane Mallat, École Normale Supérieure, France
- Matthew Zeiler, Clarifai, USA

The courses have covered both theoretical and practical aspects of real Computer Vision problems as well as examples of their successful commercialization.

Sicily, 19 July 2015

The School Directors

Prof. Sebastiano Battiato

Prof. Roberto Cipolla

Dr. Giovanni Maria Farinella