

# Andrea Palazzi

---

Mail: [andrea.palazzi@unimore.it](mailto:andrea.palazzi@unimore.it) | Mobile: +39 347 318 5472 | Personal site: [ndrplz.github.io](http://ndrplz.github.io)

## SKILLS

Topics: Computer Vision, Deep Learning, Machine Learning  
Languages: Python, Matlab, C++, C  
Libraries: OpenCV, TensorFlow, PyTorch, Keras, Theano

## EDUCATION

11/2016-ongoing *PhD Student*  
University of Modena and Reggio Emilia, Italy.  
Topic: *Computer Vision and Deep Learning techniques applied to Automotive*.  
Supervisor: Prof. Rita Cucchiara.

2012-2015 *Master Degree in Computer Engineering*  
University of Modena and Reggio Emilia, Italy.  
Mark: 110 / 110 cum laude.

2009-2012 *Bachelor Degree in Computer Engineering*  
University of Modena and Reggio Emilia, Italy.

## WORK EXPERIENCE

09/2015 – 10/2016 *Research Fellow at ImageLab*  
University of Modena and Reggio Emilia

01/2015 – 09/2015 *Software Developer in R&D (Natural Language Processing)*  
Internship at Expert System, Modena, Italy

## TEACHING ACTIVITIES

2017 *Deep Learning*, course lecturer in Master of Visual Computing (UniMoRe) [[Slides](#)].  
*Computer Vision*, laboratory lecturer (UniMoRe).

2016 *Computer Vision*, laboratory lecturer (UniMoRe).  
*Machine Learning and Pattern Recognition*, laboratory lecturer (UniMoRe).

## CERTIFICATES, COURSES, SCHOOLS ATTENDED

2017 Currently enrolled at *Udacity Self-Driving Car Engineer Nanodegree*.

2016 *RegML 2016*, summer school on Regularization Methods for Machine Learning held by Lorenzo Rosasco at IIT (Genoa)

2015 Certificate of *Machine Learning Course* (Coursera)  
Passed government exam and licensed as a professional engineer

2013 *Second Short Spring School in Surveillance*, organized by ImageLab Research Group at UniMoRe, Modena.

2008 English Course at C1 Level of English (Oxford)  
Cambridge ESOL Certificate in English, Level B2.

## LANGUAGES

|          |               |         |       |
|----------|---------------|---------|-------|
| Italian: | mother tongue | German: | basic |
| English: | proficient    | French: | basic |

## OTHER PROJECTS

|             |  |
|-------------|--|
| 2016        | Engineering and development of a <i>face detection and recognition system embedded on RaspBerry Pi 2</i> for Nortech Engineering Srl, Bologna. |
| Before 2016 | Pet projects I made during my time in college can be found on my <a href="#">youtube channel</a> .   |

## PUBLICATIONS

|      |   |
|------|---|
| 2017 | <p>Palazzi, A., Borghi, G., Abati, D., Calderara, S., &amp; Cucchiara, R., Learning to Map Vehicles into Bird's Eye View. In <i>International Conference on Image Analysis and Processing (ICIAP) 2017</i> (Oral Presentation, Special Mention Best Paper Award)</p> <p>Palazzi, A., Solera, F., Calderara, S., Alletto, S., &amp; Cucchiara, R. (2017, June). Learning Where to Attend Like a Human Driver. In <i>Intelligent Vehicles Symposium (IV), 2017 IEEE</i> (pp. 920-925). IEEE.</p> <p>Cornia, M., Abati, D., Baraldi, L., Palazzi, A., Calderara, S., &amp; Cucchiara, R. (2017). Attentive Models in Vision: Computing Saliency Maps in the Deep Learning Era. In <i>16th International Conference of the Italian Association for Artificial Intelligence</i>. (Oral Presentation)</p> <p>Di Bernardo, G. A., Vezzali, L., Palazzi, A., Calderara, S., Bicocchi, N., Zambonelli, F., ... &amp; Cadamuro, A. (2017). A new era in the study of intergroup nonverbal behaviour: Studying intergroup dyadic interactions "online". In <i>18th General Meeting of the European Association of Social Psychology</i>.</p> |
| 2016 | <p>Palazzi, A., Solera, F., Calderara, S., Alletto, S., &amp; Cucchiara, R. (2016). Where Should You Attend While Driving?. <i>arXiv preprint arXiv:1611.08215</i>.</p> <p>Solera, F., &amp; Palazzi, A. (2016). A Statistical Test for Joint Distributions Equivalence. <i>arXiv preprint arXiv:1607.07270</i>.</p> <p>Palazzi, A., Calderara, S., Bicocchi, N., Vezzali, L., di Bernardo, G. A., Zambonelli, F., &amp; Cucchiara, R. (2016, September). Spotting prejudice with nonverbal behaviours. In <i>Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing</i> (pp. 853-862). ACM. (Oral Presentation)</p> <p>Alletto, S., Palazzi, A., Solera, F., Calderara, S., &amp; Cucchiara, R. (2016). Dr (Eye) Ve: A dataset for attention-based tasks with applications to autonomous and assisted driving. In <i>Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition Workshops</i> (pp. 54-60).</p>  |

## PRESS

2016

The international science magazine New Scientist, based in UK, dedicates a [cover article](#) to ImageLab's research about recognition of non-verbal behaviours.