Paolo Russo

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OVERVIEW

PhD student, Deep Learning, Domain Adaptation techniques applied on Computer Vision tasks.

APPOINTMENTS

PhD Student   2016-present
University of Rome La Sapienza

- Deep Learning applied on Computer Vision tasks: Domain Adaptation and Generalization techniques for object recognition

- Synthetic Images Generation: GAN methods, auxiliary networks for depth→RGB adaptation, synthetic depth images generation via simulation software

- Multi-source Domain Adaptation algorithms for semantic segmentation of urban scenes

Academic/Research advisor: Prof. Barbara Caputo

IIT Researcher   2018-2019
Italian Institute of Technology

- Bridging between Web perceptual knowledge and Robot perceptual knowledge using Domain Adaptation techniques

- Datasets from the Web and Domain Adaptation algorithms for robot sensors data

PEER-REVIEWED JOURNAL PAPERS

4. P. Russo, Fabio M. Carlucci, Tatiana Tommasi, Barbara Caputo , "From source to target and back: symmetric bi-directional adaptive GAN", *CVPR* , (2018).

3. P. Russo, FM Carlucci, SM Baharlou, B Caputo , "$(DE)^2$ CO: Deep Depth Colorization", *ICRA, RAL* , (2018).

2. Fabio M. Carlucci, P. Russo, Barbara Caputo , "A deep representation for depth images from synthetic data", *ICRA* , (2017).

1. Tatiana Tommasi, Martina Lanzi, P. Russo, Barbara Caputo , "Learning the Roots of Visual Domain Shift", *ECCV* , (2016).

EDUCATION

Master degree in Artificial Intelligence and Robotics   2016
University of Rome La Sapienza
      104/110.

Bachelor degree in Telecommunication Engineering   2014
University of Cassino
      108/110.

High School Diploma   2003
Liceo G. Galilei Mondragone
      100/100.

TECHNICAL SKILLS AND COMPETENCES

- Very good knowledge of Python programming language

- Good knowledge of Matlab programming environment and Blender rendering software

- Good knowledge of C/C++ language

- Good knowledge of Linux Operating System, bash terminal

- Very good knowledge of Deep Learning techniques (Convolutional Neural Networks, Deep Neural Networks) and Machine Learning techniques

- Very good knowledge of Pytorch and Keras frameworks.

LANGUAGES

- Italian - *mother tongue*

- English
    - Reading skills - *fluent*
    - Writing skills - *good*
    - Verbal skills - *good*