

Víctor Manuel Mondéjar-Guerra

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★ 22 July 1989



WORK EXPERIENCE

Research technician

MARCH 2017 – NOW

VARPA Research group, University of Coruña

Image processing and Computer Vision algorithms.
Machine learning medical problems.

Computer Vision Engineer

SEP 2016 – MARCH 2017

ROVIMATICA, Córdoba Project: OptiRail

Computer Vision I+D projects.
Image stitching.
Real time.

Researcher I+D

NOV 2012 – DEC 2015

AVA Research group, University of Córdoba Project: Broca

Image processing and Computer Vision algorithms.
Camera pose estimation.
Keypoint matching with local descriptors.
Augmented reality using fiducial markers.
Machine learning.

PUBLICATIONS

Classification of Fiducial Markers in Challenging Conditions with SVM. Mondéjar-Guerra, V; Garrigo-Jurado, S; Muñoz-Salinas, R; Marín-Jiménez, A; Medina-Carnicer, R. Pattern Recognition and Image Analysis, pp.344-352. 2017

Keypoint descriptor fusion with Dempster-Shafer theory. Mondéjar-Guerra, V; Muñoz-Salinas, R; Marín-Jiménez, M; Carmona-Poyato, A; Medina-Carnicer, R. International Journal of Approximate Reasoning 60, 57-70. 2015

EDUCATION

- 2013 – 2016 **University of Córdoba**
Ph.D. in COMPUTER SCIENCE
Thesis: Contributions to camera pose estimation
- 2012 – 2013 **University of Córdoba**
M.Sc. INTELLIGENT SYSTEMS
- 2010 – 2012 **University of Córdoba**
B.Sc. COMPUTER SCIENCE ENGINEER
Degree Project: Comparison of matching between images methods.
- 2007 – 2010 **University of Córdoba**
B. Sc. TECHNICAL ENGINEERING IN COMPUTER SYSTEMS
Degree Project: IDAL: Intelligent Digital Album. Developed in C++, using Qt and OpenCV.

COMMUNICATION SKILLS

- ENGLISH Oral: fair – Written: good
- SPANISH Native speaker

SOFTWARE SKILLS

GOOD LEVEL	C++, OpenCV, Qt, Python
INTERMEDIATE	MATLAB, CUDA, TensorFlow, Caffe, OpenMP, MPI, C#, LaTeX \LaTeX , Ubuntu, Windows,
BASIC LEVEL	Java, PHP, PCL

INTERESTS

Highly interested in computer vision area, artificial intelligence, deep learning. Also interested in parallel computing by CPU, GPU.

Main research interests: Camera pose estimation. Keypoint matching. Local descriptors. Convolutional neural networks.