Víctor Manuel Mondéjar-Guerra

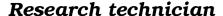
🔼 Calle José Amor López, 5, 2°-B, 15001 – La Coruña, Spain

a +34 664 29 59 72

★ 22 July 1989

WORK EXPERIENCE

March 2017 - Now



VARPA Research group, University of Coruña

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

Computer Vision Engineer

ROVIMATICA, Córdoba Project: OptiRail

Computer Vision I+D projects. Image stitching.

Real time.

SEP 2016 - MARCH 2017

Nov 2012 - Dec 2015

Researcher I+D

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

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.