

# Melani Sánchez García

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## Current position:

PhD Student at  
Universidad de Zaragoza

## Current Address:

C/ Crist de l'Empar 6  
Gandia  
46702 Valencia, Spain

## EDUCATION

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### PhD studies in Computer Vision

Nov 2018 - present

Computer Science and Systems Engineering Dept.,  
Universidad de Zaragoza – Spain

Advisors: Dr. Jose Jesús Guerrero Campo and Dr. Rubén Martínez Cantín

Thesis title: “Egocentric computer vision for the interaction with the environment of people with visual disability”

### Summer School on Computer Vision (BMVA 2018)

July 2018

Norwich - UK

### Master of Engineering in Industrial Engineering

Sep 2017 - Jan 2018

Subject of Vision and Robotics (GPA: 7.5/10)

Universidad de Zaragoza – Spain

Advisors: Dr. Jose Jesús Guerrero Campo and Dr. Gonzalo López Nicolás

### Master of Engineering (GPA: 7.75/10)

Sep 2015 - May 2017

Universitat de València – Spain

Master's degree final project title: “Elimination of a representative VOC by total oxidation using catalysts”

Advisor: Dr. Benjamín E. Solsona Espriu

### Bachelor of Engineering (GPA: 7.66/10)

Sep 2011 - May 2015

Universitat de València – Spain

Final degree project title: “Design of catalytic converters in exhaust pipes”

Advisor: Dr. Benjamín E. Solsona Espriu

## SCHOLARSHIPS

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### FPI scholarship (PhD candidate)

Oct 2017

Research staff training program from the Ministry of Economy and Competitiveness for I+D+i

Universidad de Zaragoza – Spain

Research Project: “DPI2015-65962-R”

## WORK EXPERIENCE

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### Research Assistant - PhD Candidate

May 2017 - Oct 2017

Computer Science and Systems Engineering Department

Universidad de Zaragoza – Spain

Research Project: “DPI2015-65962-R”

*Research in Computer Vision and Robotics: Egocentric computer vision for the interaction with the environment of people with visual disability*

**Research Assistant**

Sep 2016 - May 2017

Engineering Department

Universitat de València – Spain

*Research in Carboquímica: Elimination of a representative VOC by total oxidation using catalysts*

## PUBLICATIONS

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### INTERNATIONAL CONFERENCES AND WORKSHOPS

- [1] “Smart Representation of Indoor Scenes under Simulated Prosthetic Vision”  
**Melani Sánchez García**, Rubén Martínez Cantín and Jose J. Guerrero  
WiCV Women in Computer Vision Workshop, 9, September 2018
- [2] “Structural and object detection for phosphene images”  
**Melani Sánchez García**, Rubén Martínez Cantín and Jose J. Guerrero  
Published in Arxiv, 25, September 2018
- [3] “Indoor Scenes Understanding for Visual Prosthesis with Fully Convolutional Networks”  
**Melani Sánchez García**, Rubén Martínez Cantín and Jose J. Guerrero  
Submitted to VISAPP 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, 22, October 2018

## SUPERVISED BACHELOR/MASTER PRACTICUM SUPERVISOR

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- Pedro Luis Compais Serrano. Co-supervised with Jose Jesús Guerrero Campo. Bs. Industrial Eng. Universidad de Zaragoza. 2018-2019

## PARTICIPATION IN RESEARCH REVISIONS

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### INTERNATIONAL CONFERENCES AND WORKSHOPS

- [1] External Reviewer in ACVR Sixth International Workshop on Assistive Computer Vision and Robotics, 9, September 2018