EDUCATION

Rosa María SÁNCHEZ BANDERAS



Researcher, Multimedia Engineer and Master in Computer Graphics. I was born in Valencia (Spain), but I am currently living in Madrid, where I work as a researcher in the Multimodal Simulation Lab at the Rey Juan Carlos University. My longstanding dream is to take part in the motion picture industry, researching and developing new VFX techniques for visually interesting phenomena.

- Madrid (Spain)
- +34 655 652 010
- rosanban@gmail.com
- http://www.thepenguincode.com/rosa/

















WORK EXPERIENCE Researcher

Multimodal Simulation Lab

Rey Juan Carlos University, 2015 – Present

Research and development of novel techniques for cloth simulation at the yarn level. This work was partly supported by the ERC Starting Grant (ref. ERC-2011-StG-280135, 2015-2016) and the FPI Fellowship Grant (ref. BES-2016-078365, 2016 onwards).

Web Developer

Gamma Spectroscopy Group

Corpuscular Physics Institute (IFIC), 2013

Design and development of the Gamma Spectroscopy Group's website and its new corporate logo.

Web Developer

Employment Service

Valencia's City Hall, 2013

Development of the future Employment Service's website and its new corporate logo.

Strain Rate Dissipation for Elastic Deformations

Rosa M. Sanchez-Banderas, Miguel A. Otaduy



PUBLICATIONS







Dissipation Potentials for Yarn-Level Cloth

Rosa M. Sanchez-Banderas, Miguel A. Otaduy









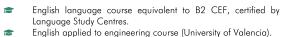
Real-time Inextensible Hair with Volume and Shape

R.M. Sanchez-Banderas, H.Barreiro, I.Garcia-Fernandez, M.Perez Congreso Español de Informática Gráfica (2015









Valencian language official certification, equivalent to C1 CEF. Collaboration with the Conèixer program (University of Valencia)

Reading seminars of CG works as part of the PhD (University Rey Juan Carlos)

PhD

Computer Science

Rey Juan Carlos University, 2016 – Present

Thesis focused on the area of computer graphics which aims to contribute to the development of innovative solutions for a wide variety of existing problems in the context of yarn level cloth simulation. Supported by the FPI fellowship grant (FPI-2016 BES-2016-078365).

Master's Degree

CG, Videogames and Virtual Reality

Rey Juan Carlos University, 2015 – 2016 The Master's Degree in Computer Graphics, Videogames and Virtual Reality provides a thorough understanding of computer graphics, rendering techniques, graphics processor architectures and physicallybased simulations. It also addresses videogame creation and virtual reality.

Bachelor's Degree

Multimedia Engineering

University of Valencia, 2010 – 2015

The Bachelor Degree in Multimedia Engineering provides a multidisciplinary training in both computer engineering and audiovisual media, enabling the students to fullfill the needs of the information and communication technology (ICT) industries.





coding

ᅙ

Web

CSS)







Reality

development (HTML5, JS,



Physically-based animation



Team working



development (Unity)



Self-learning

Visual Studio, VS Code, Qt Creator, Matlab Image & Video

Development **Game Engines**

> Adobe Photoshop, Adobe Premiere Office Microsoft Office suite, LaTeX

LANGUAGES

SKILLS & ABILITIES