

# José Antonio Santaella Lorca



143 A/5, Bonnington Road, Midlothian Edinburgh , EH6 5NQ  
07454625625  
[jsantaellalorca@gmail.com](mailto:jsantaellalorca@gmail.com)  
[uk.linkedin.com/pub/josé-antonio-santaella-lorca/58/925/b68/en](https://uk.linkedin.com/pub/josé-antonio-santaella-lorca/58/925/b68/en)

*Integrity*

*Honesty*

*Enthusiasm*

*Respect*

*Collaboration*

Civil and Structural Engineer with vocation to develop a professional career of international scope.

## SKILLS

- I am an analyst, creative, pragmatic and logical person.
- I enjoy resolving difficult tasks and working in stressful situations as a part of a team as on my own.
- Civil Engineering and Structural Engineering skills, including transport engineering, hydraulic and hydrologic engineering, renewable energies, coastal and maritime engineering, geotechnical engineering, organization and management of projects and works, highway engineering, etc.
- IT Skills: Advanced level in Office pack, AutoCAD, Degtra A4. Intermediate level in Ansys, Matlab, Clip, Novapoint, Icafir, Epanet, HCanales, Presto, Mathematica. Basic level in Staad Pro, Photoshop y HecRAS.
- Fluent in English language, native Spanish speaker and basic French.

## EDUCATIONAL QUALIFICATIONS

### 2012-2013 MASTER OF SCIENCE (MS) IN STRUCTURAL ENGINEERING.

Postgraduate Master Degree. 60 ETCS.  
GRANADA UNIVERSITY. (GRANADA, SPAIN)

### 2007-2012 MASTER OF ENGINEERING (MEng) IN CIVIL ENGINEERING.

Five years Spanish Degree Equivalent to EQF7. 375 ETCS.  
ALFONSO X EL SABIO UNIVERSITY. (MADRID, SPAIN)

## EMPLOYMENT

Research Fellow

ANDALUSIAN CENTRE OF ENVIRONMENT (CEAMA)

May – September (2013)

Collaboration with the group dynamics of environmental flows of this centre, in projects as dynamic and structural analysis of the helmets of the cycling team Telefonica Movistar and the analysis and search for the profile of balance of the dune of Valdevaqueros. My work has been to perform pressure tests in the wind tunnel, the same analysis and reporting. I have also done a field campaign in Valdevaqueros in which transfers of sediments, velocities and directions of wind and solar Radiation were measured.

Tutor

2010 – 2013

Mathematics, Physics, Chemistry, Calculus and Structures. High School and Architecture Degree students.

## FURTHER INFORMATION

- Wind Tunnel, Pressure System, Stereo PIV (Particle Image Velocimetry) experience.
- Living and working abroad in UK from December 2013 to July 2014.
- Immediate geographical availability both national and international.
- Full clean driving license.

INTJ



(Myers Briggs Personality Test)

## PROJECTS AND PUBLICATIONS

- MSc in Structural Engineering Thesis: Aerodynamics Phenomena that request Cylindrical Structures in wind tunnel. Average 9/10. 24 ETCS.
- MEng in Civil Engineering Thesis: Feasibility Project Guadalhorce Highway. Average 8/10. 4.5 ETCS.
- Sizing of Wastewater Treatment Plant at Cigales. (Cigales, Spain).  
Subject: Sanitary Engineering.  
Master Degree in Civil Engineering.
- Water Supply at Narrillos de San Leonardo. (Ávila, Spain).  
Subject: Sanitary Engineering.  
Master Degree in Civil Engineering.
- Hydroelectric Exploitation at Tormes River (Salamanca, Spain).  
Subject: Hydraulic Works and Exploitations.  
Master Degree in Civil Engineering.
- Water Impulse to San Cristobal de Cea from Mirela River. (Spain).  
Subject: Hydraulic Works and Exploitations.  
Master Degree in Civil Engineering.
- Energy Efficiency Study at Torre vieja Hospital. (Torrevieja, Spain).  
Subject: Hydraulic Works and Exploitations.  
Master Degree in Civil Engineering.