

## Enrique Alameda Hernández



**Address:** School of Civil Engineering  
 Department of Civil Engineering  
 Electrical Engineering Section  
 University of Granada  
 Campus of Fuentenueva  
 18071 Granada (Spain)

**Phone Number:** 34 958249456  
**ORCID:** 0000-0001-7759-129X

**Enrique Alameda Hernández.** Senior Lecturer. Researcher ID L-9171-2014. Scopus Author ID 13605689800. He got his degree and PhD in physics in 1998 and 2003 respectively from the University of Granada. He has published 18 papers in JCR journals with over 500 cites in Scopus with H index 11. Over 50 academic and scientific works with collaborations in 6 research projects. He has performed several research stays at the University of Leeds, ENS Lyon and University of Texas at Austin. He has been a member of the research groups “Systems, signals and waves” and “Computational optimization in communications and engineering”.

Research interests:

- Signal processing for power quality
- Compressed sensing.

Relevant contributions:

1 Energy consumption reduction proposals for thermal systems in residential buildings, Calero, M., Alameda-Hernandez, E., Fernández-Serrano, M., Ronda, A., Martín-Lara, M.Á. Energy and Buildings, 2018, 175, pp. 121–130

2 Three-phase four-wire shunt active power filter based on the SOGI filter and Lyapunov function for DC bus control, Dellahi, M., Maker, H., Botella, G., Alameda-Hernandez, E., Mouhsen, A. International Journal of Circuit Theory and Applications, 2020, 48(6), pp. 887–905

**Additional Information:**

- Reviewer for several international journals: Digital Signal Processing, Energy and Built Environment, Energies, European Transactions on Electrical Power.
- ICREPQ-International Scientific Committee Member
- RE&PQJ-Scientific Committee Member