

## Biographical sketch for José A. Peláez



**BORN:** January 16, 1964 in Jaén, Spain; Male. E-mail: <japelaez@ujaen.es>

### EDUCATION:

- 1988: B.Sci. (Physics), University of Granada, Spain.
- 2000: Ph.D. (Physics - Seismology), University of Granada, Spain.

### POSITIONS HELD:

- 1988-1989: Assistant Professor in Physics, University of Granada, Spain.
- 1989-1990: Pre-doctoral fellowship in Seismology, University of Alicante, Spain.
- 1990-1992: Assistant Professor in Geophysics, University of Granada, Spain.
- 1992-present: Assistant Professor in Geophysics, University of Jaén, Spain.
- 2005-present: Member of the working group on Seismology and Physics of the Earth's Interior (Spanish Commission of Geodesy and Geophysics)
- 2010-present: Member of the editorial board of the Journal of Civil Engineering and Construction Technology

### RESEARCH INTEREST:

Seismic hazard assessment, seismic attenuation, seismotectonics, strong ground motion, earthquake engineering.

### SELECTED PUBLICATIONS:

- López Casado, C., Molina, S., Delgado, J. and Peláez, J.A. (2000). Attenuation of intensity with epicentral distance in the Iberian Peninsula. *Bull. Seism. Soc. Am.* **90**, 34-47.
- Peláez, J.A. and López Casado, C. (2002). Seismic hazard estimate at the Iberian Peninsula. *Pure Appl. Geophys.* **159**, 2699-2713.
- Peláez, J.A., López Casado, C. and Henares, J. (2002). Deaggregation in magnitude, distance and azimuth in the south and west of the Iberian Peninsula. *Bull. Seism. Soc. Am.* **92**, 2177-2185.
- Henares, J., López Casado, C., Sanz de Galdeano, C., Delgado, J. and Peláez, J.A. (2003). Stress fields in the Iberian-Maghrebi region. *J. Seismol.* **7**, 65-78.
- Sanz de Galdeano, C., Peláez, J.A. and López Casado, C. (2003). Seismic potential of the main active faults in the Granada Basin (southern Spain). *Pure Appl. Geophys.* **160**, 1537-1556.
- Peláez, J.A., Sanz de Galdeano, C. and López Casado, C. (2003). Use of active fault data versus seismicity data in the evaluation of seismic hazard in the Granada Basin (southern Spain). *Bull. Seism. Soc. Am.* **93**, 1670-1678.
- Peláez, J.A., Hamdache, M. and López Casado, C. (2003). Seismic hazard in Northern Algeria using spatially smoothed seismicity. Results for peak ground acceleration. *Tectonophysics* **372**, 105-119.
- Hamdache, M., Peláez, J.A. and Yelles-Chauche, A.K. (2004). The Algiers, Algeria earthquake (Mw 6.8) of 21 may 2003: Preliminary report. *Seismol. Res. Lett.* **75**, 360-367.
- Peláez, J.A., Delgado, J., and López Casado, C. (2005). A preliminary probabilistic seismic hazard assessment in terms of Arias Intensity in southeastern Spain. *Eng. Geol.* **77**, 139-151.
- Peláez, J.A., Hamdache, M., and López Casado, C. (2005). An updating of the probabilistic seismic hazard in Northern Algeria including the 21 May 2003 M 6.8 Algiers earthquake. *Pure Appl. Geophys.* **162**, 2163-2177.
- Peláez, J.A., Hamdache, M., and López Casado, C. (2006). Seismic hazard in terms of spectral accelerations and Uniform Hazard Spectra in Northern Algeria. *Pure Appl. Geophys.* **163**, 119-135.
- Peláez, J.A., Chourak, M., Tadili, B.A., Aït Brahim, L., Hamdache, M., López Casado, C., and Martínez Solares, J.M. (2007). A catalog of main Moroccan earthquakes from 1045 to 2005. *Seismol. Res. Lett.* **78**, 614-621.
- Hamdache, M., Peláez, J.A., Talbi, A. and López Casado, C. (2010). A unified catalog of main earthquakes for Northern Algeria from A.D. 856 to 2008. *Seismol. Res. Lett.* **81**, 732-739.
- Delgado, J., Peláez, J.A., Tomás, R., García Tortosa, F.J., Alfaro, P., and López Casado, C. (2011). Seismically-induced landslides in the Betic Cordillera (S Spain). *Soil Dyn. Earthq. Eng.* **31**, 1203-1211.
- Sánchez Gómez, M., Martínez Sánchez, C., García García, F., Peláez, J.A., Pérez Valera, F., Martínez Andreu, M., and Pérez Valera, L.A. (2011). Evidence for a 4700-2100 BC palaeoearthquake recorded in a fluvial-archaeological sequence of the Segura River, SE Spain. *Quat. Int.* **242**, 106-114.
- Delgado, J., Garrido, J., López Casado, C., Martino, S., and Peláez, J.A. (2011). On far field occurrence of seismically induced landslides. *Eng. Geol.* **123**, 204-213.
- Hamdache, M., Peláez, J.A., Talbi, A., Mabarki, M., and López Casado, C. (2012). Ground-motion hazard values for Northern Algeria. *Pure Appl. Geophys.* **169**, 711-723.
- Pedrera, A., Galindo Zaldívar, J., Marín Lechado, C., García Tortosa, F.J., Ruano, P., López Garrido, A.C., Azañón, J.M., Peláez, J.A., and Giacconi, F. (2012). Recent and active faults and folds in the central-eastern Internal Zones of the Betic Cordillera. *J. Iber. Geol.* **38**, 191-208.
- Sanz de Galdeano, C., García Tortosa, F.J., Peláez, J.A., Alfaro, P., Azañón, J.M., Galindo Zaldívar, J., López Casado, C., López Garrido, A.C., Rodríguez Fernández, J., and Ruano, P. (2012). Main active faults in the Granada and Guadix-Baza Basins (Betic Cordillera). *J. Iber. Geol.* **38**, 209-223.